



# ONLINE SCHOOL MANAGEMENT SYSTEM

Project paper

Supervisor: Prof.Mohammad Zahidur Rahman

Brac University.

Submitted by: Aditi Sarker

ID: 16373005 M.Engg in CSE

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## **Declaration**

This is certifying that the project entitled "Analysis and test case generation Of Web based School Management System", which is submitted by Aditi Sarker (ID-16373005), in partial fulfillment of the requirement for the award Of degree of Masters ofEngineering in Computer Science &Engineering to The department of Computer Science & Engineering, BRAC University, 66 Mohakhali C/A, Dhaka, 1212, comprises only my original work and due Acknowledgement has been made in the text to all other material Used. The Result of the project has not been submitted to any other University or Institute for theaward of any degree or diploma.

### **Approved By:**

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Supervisor: Prof.Mohammad Zahidur Rahman

### **Signature of Author:**

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Aditi Sarker

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Finally I thank my beloved parents for their never-ending support, motivation and believe in me.

## **Abstract**

This web based school management application. I tried to use different software for this application. In my Application I used waterfall model because waterfall model is a sequential design process and in which process is seen as flowing steadily downwards. I also used use case and test case approaches for this application. Using use case I am trying to defining the interactions between a user and a system to achieve a goal. Finally I used test case approaches for determining this application features are working as it is originally established for to do it. Using this software approaches I have completed this application.

# CHAPTER- 1

## Introduction

### 1.1 School Management System:

A school management system is a large database system which can be used for managing school's daily work. It is configurable and can be configured to meet most individual school's needs. It is a multi-user system.

GenerallySpeaking, it is platform available for running on a Local Area Network (LAN).It is used for handling all teachers and students details, also has information about student and teacher details, personal details and other details. Here all the work is computerized.

**1.2 Necessity:**School management application helps to overcome boring paper work in school. This Application is very easy to use. It can work accurately and very smoothly in different scenario. It reduces effort work load and increase efficiency in work. In aspects of time value it is worthy.

In this Application teacher can manage student's grade sheet, update their marks, managing online leave application, students and teacher'sregistration.Administrative Staff can add or remove teacher and student from database via thisapplication. They also can register themselves.

**1.3 Software Development Method:**In many software applications program different methods and cases are followed such as, Waterfall model, Iterative model, Spiral model, V-model and Big Bang model. I used waterfall model in this application. I tried to use test case and case software approaches.

**1.4 Tools:** In this application different type's tool are used. For documentation Ready set Tigris are used and for front end and backend part Eclipse and MySQL plays a great roll.

**1.5 Layout of document:** This documentation starts with formal introduction. After introduction analysis and design of the project are described. In analysis and design of the project have many parts such as project proposal, mission, goal, target audience, environment. After that design and table diagram will be found. Use cases and test cases are in chapter 2 and chapter 3 respectively. Finally this documentation finished with result and Conclusion part.

## **CHAPTER 2: Analysis of the project**

### **2.1: PROJECT PROPOSAL:**

Project proposal is the term of documents. A project can describe by project proposal. It is the set of all plan of a project. Like, how the software works, what are the steps to complete the entire projects and what are the software requirements and analysis for this project. In my project, I am doing all the steps and also risk and reward and other project dependencies in the project proposal.

#### **2.1.1: Mission**

Online web based application is very popular and well known to everyone. Now a day's everybody wants to get it and work with it. School management application runs every school in everywhere. It was originally built for teachers, students, staffs and administrations. When a teacher works in

manually then he/she faces some problems. Sometimes they lose their data or random their data. After observing these issues I have come with an idea that I will make a web based application for school management. But when he/she use this type of application then he/she works fluently and frequently. In this application teacher can check student's grade sheet, update their marks and online leave application and students and teachers registration. So that they can work properly and easily without any error and also this application do not take too much time from them.

Online web based application is easy application provides school teachers and students to use this application for several purposes. First of all every teachers and students need to register in this application and then go through their work.

### **2.1.2: Goal**

The goal of my project is to develop a web based application for school management. Using this application teacher can check students grade sheet, update their marks, leave application, check student's upgrades, student's and teacher's registration. When any teacher knows that he/she is not good in their studies then the teacher can connect his/her parent and tell them about their children's studies. Teachers and students of the school benefited from this web application.

### **2.1.3: Scope**

I want to build a web based application for school teachers, principal, students, admin which will be very easy to use for their work purpose. Work with common server or browser which is very familiar with

us. They cannot change the customizations of fonts and colors of the web application. Security will be simple but if it is need to be build a high security then it will be built later. I want to focus on the application itself and the features of that application that help build a good management community.

Table: In Scope and Out Scope

In Scope	Out of Scope
Build a web based application for school management.	Build a wed based application for division based school management.
Working with most popular browser i.e. Mozilla Firefox., Google Chrome.	Working with uncommon browser.
Security will be simple.	Security will be much more special.
Work on other features.	Work on online teacher and student attendance.

## **2.2: Target Audience and benefits:**

### **2.2.1: Target Audience:**

This product is basically on school management system. Administrative staff, teacher & student of a school can use this application via web protocol. Student can check register themselves, check their result and update their profile. They also can view their class routine and related resources from this Web application. Teacher can register themselves on this site; they can update & publish students result. They can update their profile. Teacher can apply for their leave by using online leave application. Administrative Staff can add or remove teacher and student from database via this application. They also can register themselves. 2,000 users can use this. It is completely free of cost. All school can use this application.



### **2.2.2: Benefits to Customer:**

It reduces effort to maintain data in effective manner. Teacher can easily see the status and progress of the students. Student can see gets information when they need by simply accessing the site. Data management system is much easier in this way as because there is no way to loss/theft of data.

### **2.2.3: Environment:**

This system is a web server that will run on a machine with 24 \* 7 monitoring. User can use this system anywhere. This system can run on any machine. They do not need any high configuration machine. They need Pentium processor, 256 MB RAM, 16 bit operating system, Internet Explorer, Mozilla Firefox and Google Chrome.

### **2.2.4: Stakeholders:**

Administrative staff, teacher & student of a school can use this application via web protocol. Without this person no one can access this application. They can easily find their web pages.

### **2.2.5: Performance and Capacity Needs:**

- ★ 2,000 users can use the application.
- ★ It is completely free of costly web application.
- ★ Use common processor.
- ★ Use available Operating System.
- ★ Working with most common browser.

### **2.2.6: User Stories:**

One of school teacher told that, she often forgot her class schedule. She also told That their students and teachers database maintain manually and it is not good for Theirschool and told that if it is paperless then it will be helpful for their school. Admin staff can maintain their school database properly. She also said that Paperless management can save their time. But one of them said that paperless Management do not need for their school. She said that manually it is work very Well and no data is loss for the database. Another teacher said that paperless School management can be effective for their school.

## **2.3: Software Requirements and Specification:**

### **2.3.1: Functional Requirement:**

In this application teacher and students will register themselves. In this Application, student will check their result and update their profile. Student will View their class routine. Teacher will publish and update students result. They will Update their profile. Teacher will send their leave application by this application. Administrative staff will add, remove and update teacher and student database via This application.

### **2.3.2: Non-Functional Requirements:**

This application will run on common browsers.They will not change the Customizations of fonts and colors of the web application. This application will run

On 24 \* 7 monitoring. Teachers and students will access this application Through their username and password. Administrative staff will have to Access their functions no one cannot access administrative functions.

Database servers that contain Restricted Data are required to meet the Following account access, password and privilege configurations. Create separate accounts for running automated tasks (backups, replication, etc.) that do not allow direct logins. Administrators must not use these accounts for other tasks. Use strong passwords for all accounts.

### **2.3.3: Environmental Requirements:**

Hardware requirements for this application needs a Pentium processor with 256 MB RAM and with 16 bit operating system. This application will run on common browsers.

### **2.4: Use Cases:**

A use case diagram is a graphic depiction of the interactions among the elements Of a system. A use case is a methodology used in system analysis to identify, Clarify, and organize system requirements. The use case is made up of a set of Possible sequences of interactions between systems and users in a particular Environment and related to a particular goal.

### **Use Cases by Functional Area**

- ★ Student attendance

UC-00 Login the site (as a new user)	
Summary	Direct actors need to log in this page.
Priority	Essential
Use Frequency	Once a time
Direct Actors	Principal, Teacher and guardian.
Main success scenario	<ol style="list-style-type: none"> <li>1. Visit the login page.</li> <li>2. If you are new then sign up.</li> <li>3. Enter essential information: name, e-mail, password (twice), DOB, sex, Mobile no.</li> <li>4. Submit form.</li> </ol>
Alternative success scenario	If any abnormal situation comes then the direct actors can access this site from anywhere.

UC-00(a) Login the site (as a old user)	
Summary	Direct actors need to log in this page.
Priority	Essential
Use Frequency	Once a time
Direct Actors	Principal, Teacher and guardian.
Main success scenario	<ol style="list-style-type: none"> <li>1. Visit the login page.</li> <li>2. If you are old user then you just login this site with your e-mail id and password.</li> <li>3.</li> </ol>
Alternative success scenario	If any abnormal situation comes then the direct actors can access this site from anywhere.

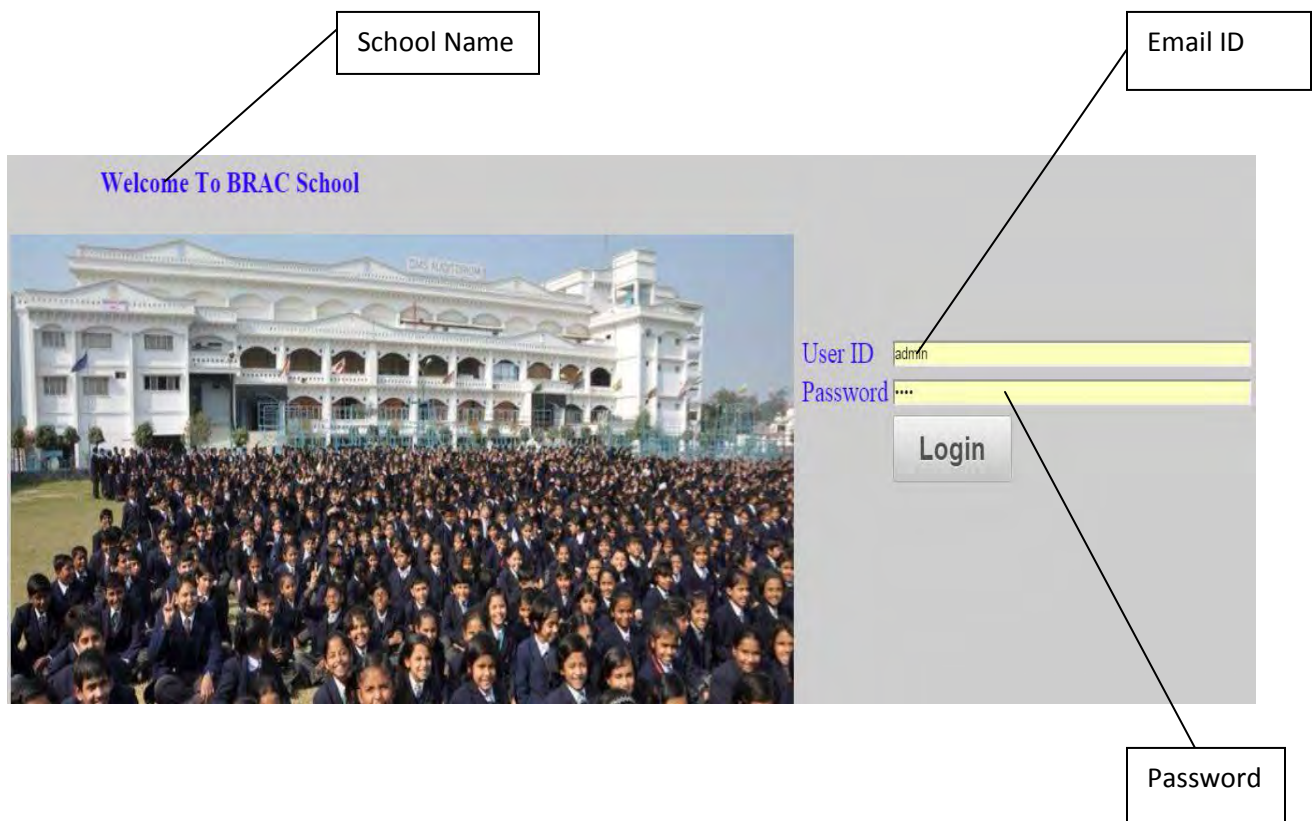
UC-01 Entry the attendance	
Summary	Only teacher can entry student attendance.
Priority	Essential
Use Frequency	Once a time
Direct actors	Teacher
Main success scenario	<ol style="list-style-type: none"> <li>1. Go to the login page.</li> <li>2. Login by yourself.</li> <li>3. Entry student attendance.</li> <li>4. Check the attendance.</li> <li>5. Update the attendance.</li> </ol>
Alternative	1. If any student cannot give his/her attendance that time,

scenario	<p>teacher can re-entry that student attendance.</p> <p>2. If teacher cannot come school then he/she can give his/her student attendance tomorrow.</p>
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UC-02 View attendance report	
Summary	View the attendance report of student.
Priority	Essential
Use Frequency	Often
Direct actors	Principal, teacher and guardian
Main success scenario	<ol style="list-style-type: none"> <li>1. Go through the login page.</li> <li>2. Open the view attendance report.</li> <li>3. View the attendance report.</li> <li>4. Download the report.</li> </ol>
Alternative scenario	N/A

## 2.5 Design:

**2.5.1 GUI:** Graphical User Interface. Here is a given front page of application. Where user can login with their email id and password.



### 2.5.1 Database Table Design:

Database design is most important for any project. We are using the Following table to store the information related to teacher to student.

#### 1. Teacher

Field Name	Null	Type
Name	Not Null	VARCHAR(30)
Registration number	Not Null	NUMBER(20)
E-mail ID	Not Null	VARCHAR(30)
Password	Not Null	VARCHAR(30)
Rewrite Password	Not Null	VARCHAR(30)
Address	Not Null	VARCHAR(30)
Contact No	Not Null	VARCHAR(30)
Date of Birth	Not Null	DATE
Date of Joining	Not Null	NUMBER(20)

#### 2. Student

Field Name	Null	Type
Name	Not Null	VARCHAR(30)
Class	Not Null	NUMBER(5)
Roll No	Not Null	NUMBER(5)
Date of Birth	Not Null	DATE
Birth Certificate Number	Not Null	NUMBER(30)
E-mail ID	Not Null	VARCHAR(30)
Password	Not Null	VARCHAR(30)
Rewrite Password	Not Null	VARCHAR(30)
Student ID	Not Null	NUMBER(10)
Father's Name	Not Null	VARCHAR(30)
Occupation	Not Null	VARCHAR(30)
Contact No	Not Null	VARCHAR(30)
Mother's Name	Not Null	VARCHAR(30)

Occupation	Not Null	VARCHAR(30)
Contact No	Not Null	VARCHAR(30)

### 3. Result

Field Name	Null	Type
Roll No	Not Null	NUMBER(5)
Subject Name	Not Null	VARCHAR(15)
Score	Not Null	NUMBER(3)
Total Score	Not Null	NUMBER(3)
Result	Not Null	NUMBER(3)

### 4. Student Attendance

Field Name	Null	Type
Date	Not Null	NUMBER(10)
Roll No	Not Null	NUMBER(10)
Name	Not Null	VARCHAR(30)
Day	Not Null	VARCHAR(10)

### 5. Class routine

Field Name	Null	Type
Day	Not Null	VARCHAR(10)
Class Time	Not Null	NUMBER(7)

### 6. Online Leave Application

Field Name	Null	Type
Types of leave	Not Null	VARCHAR(30)
Days	Not Null	VARCHAR(30)
Reason	Not Null	VARCHAR(100)

### 7. Found & Lost

Field Name	Null	Type
Name of the item	Not Null	VARCHAR(10)
Name	Not Null	VARCHAR(30)

Class	Not Null	NUMBER(5)
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## CHAPTER 3

### TEST CASES

#### 3.1: Introduction:

A test case is a documentation which specifies input values, expected output and the preconditions for executing the test.

Test Case acts as the starting point for the test execution, and after applying a set of input values; the application has a definitive outcome and leaves the system at some end point or also known as execution post condition.

#### 3.2: Develop Test Cases:

Before starting to test, develop and document *test cases*, which describe the tests to be performed and, if possible, the expected results. The number and complexity of test cases that you need depends in part on how extensively you need to test an application.

Student attendance	
Purpose	Login the site as a new user.
Prerequisite	Assume to be "Login" as teacher.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	<ol style="list-style-type: none"> <li>1. See the use of term page.</li> <li>2. Click agree radio button at page bottom.</li> <li>3. Click submit button.</li> <li>4. See personal page.</li> <li>5. Verify that welcome message is correct username.</li> </ol>



## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Teacher]:** Login as a teacher.

**Visit [Login the site as a new user]:** Visit the page when you are a new user.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Enter [name, e-mail, password (twice), DOB, sex Mobile no]:** These entire field are important and a new user have to fulfill these field.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[as a new user]:** If you are a new user then go through the login page. Create your account and give name, email id, give password (twice), DOB, sex, and mobile no. Click sign up. Next see the term page, click agree radio button at page bottom. Click submit button. See personal page and verify that welcome message is correct username. If an old user wants to register him/herself again then a message shows "you are already registered". You have to give valid email id and password. If these are not right then a message shows "please give your valid email id and password".

Purpose	Login the site as a new user.
Prerequisite	Assume to be "Login" as principal.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	<ol style="list-style-type: none"> <li>1. See the use of term page.</li> <li>2. Click agree radio button at page bottom.</li> <li>3. Click submit button.</li> <li>4. See personal page.</li> <li>5. Verify that welcome message is correct username.</li> </ol>

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Principal]:** Login as a principal.

**Visit [Login the site as a new user]:**Visit the page when you are a new user.

**Enter[Email id, password as value]:**Enter your mail id and password as value.  
Value can be literal value.

**Enter [name, e-mail, password (twice), DOB, sex Mobile no]:**These entire field are important and a new user have to fulfill these field.

**Click[Button name]:**Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page.  
If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) empty.

**Perform[as a new user]:** If you are a new user then go through the login page. Create your account and give name, email id, give password (twice), DOB, sex, and mobile no. Click sign up. Next see the term page, click agree radio button at page bottom. Click submit button. See personal page and verify that welcome message is correct username. If an old user wants to register him/herself again then a message shows "you are already registered". You have to give valid email id and password. If these are not right then a message shows "please give your valid email id and password".

Purpose	Login the site as a new user.
Prerequisite	Assume to be "Login" as guardian.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	<ol style="list-style-type: none"><li>1. See the use of term page.</li><li>2. Click agree radio button at page bottom.</li><li>3. Click submit button.</li><li>4. See personal page.</li><li>5. Verify that welcome message is correct username.</li></ol>

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Guardian]:** Login as a guardian.

**Visit [Login the site as a new user]:** Visit the page when you are a new user.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Enter [name, e-mail, password (twice), DOB, sex Mobile no]:** These entire fields are important and a new user has to fulfill these fields.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) empty.

**Perform[as a new user]:** If you are a new user then go through the login page. Create your account and give name, email id, give password (twice), DOB, sex, and mobile no. Click sign up. Next see the term page, click agree radio button at page bottom. Click submit button. See personal page and verify that welcome message is correct user. If an old user wants to register him/herself again then a message shows "you are already registered". You have to give valid email id and password. If these are not right then a message shows "please give your valid email id and password".

# Chapter – 4



## 4.1 Result:

### Welcome To BRAC School

Menu	Student Attendance								
Profile	As On Date : <input type="text"/> <input type="button" value="📅"/> Class : <input type="text" value="Select A Class"/> Section : <input type="text" value="Select A Section"/> <input type="button" value="Submit"/>								
Student Attendance	<table border="1"><thead><tr><th>Student Id</th><th>Student Roll No</th><th>Name</th><th>Attendance Status</th></tr></thead><tbody><tr><td colspan="4">No records found.</td></tr></tbody></table>	Student Id	Student Roll No	Name	Attendance Status	No records found.			
Student Id	Student Roll No	Name	Attendance Status						
No records found.									
View Student List									
Upload Results									
Application To Principal									
Application Status									
View Notice Board									
Change Password									
Log Out									

Menu	STUDENT REGISTRATION PAGE
Profile	Select Image: <input type="button" value="Choose File"/> No file chosen
Grade Score	Name <input type="text"/>
Maintanance	Birth Certificate Number <input type="text"/>
Manage Notice Board	Class <input type="text"/>
Manage Subjects	Section <input type="text"/>
Manage Principal	RollNo <input type="text"/>
Manage Teachers	Student ID <input type="text"/>
Manage Students	Email ID <input type="text"/>
Manage Guardians	Password <input type="text"/>
Manage System Users	Rewrite Password <input type="text"/>
Register New Principal	Date Of Birth <input type="text"/> <input type="button" value="📅"/>
Register New Student	Gender <input type="text"/>
Register New Teacher	Address <input type="text"/>
Register New Guardian	

# Welcome To BRAC School

Menu	List Of Students					
	Sl No.	Student Id	Name	Class	Date Of Birth	View
Profile	1	12884	Jannatul Atia Meem	Eight	2000-10-16	
Student Attendance	2	12897	Papri Das	Six	2002-11-06	
View Student List	3	13245	Amit Das	One	2006-09-07	
Upload Results	4	13668	Priyanka Sarker	Five	2003-12-06	
Application To Principal	5	13678	Aditi Sarker	Two	2006-07-10	
Application Status	6	14567	Anindita Roy	Three	2005-04-08	
View Notice Board	7	14980	Ananya Basu	Four	2004-02-04	
Change Password	8	15874	Shamaila Alamgir	Nine	1998-03-26	
Log Out	9	16754	Zann Khan	Three	2005-08-05	
	10	16875	Tasnim Alamgir	Four	2005-07-08	

# Welcome To BRAC School

## Menu

- Profile
- Create Class Routine
- Manage Applications
- View Teachers List
- View Students List
- Attendance Overview
- Results Overview
- View Notice Board
- Change Password
- Log Out

## Notice Board

**Sl. No** 3 **Notice Type** examination time

**Notice Summary** Examination time **Publish Date** 2016-08-09

**Notice Details** From 17-08-2016 your examination will be started.

**Sl. No** 2 **Notice Type** Government Holiday

**Notice Summary** Jatio Shok Dibosh **Publish Date** 2016-08-08

**Notice Details** 15-08-2016 school will closed for government holiday.

**Sl. No** 1 **Notice Type** Vaccation

**Notice Summary** Summer Vaccation **Publish Date** 2016-06-04

**Notice Details** From 05-06-2016 to 15-06-2016 school will closed for summer vaccation

[More](#)

## **4.2 Conclusion:**

The school management system which capable of sorting school resources Such as students and staff of the school and their relation was implemented. It is easy to track the relations of students and courses they taken courses And teacher they are given by using the friendly interface of the system.

This application runs on local machine for management of one school. This Application is user friendly. This application helps students, teachers to Gather their personal and academic materials and information's in a Organized manner. It is easy to track school management system.

In future I will work with high security system. Anyone can use this Application from anywhere with several browser.



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## Appendix – A:

### Interview Questions:

1. Which of the following devices do you use to connect to the internet? (Check all that apply)

- Computer
- Laptop
- Others

**Answer.** Laptop

2. Where are you most often using the internet?

- In the House
- In the School

**Answer.** In the house

3. Rate the level of your involvement in the activities of the class?

**Answer.** I show them presentation slides; give them class work to do and collect at the end of the class. I also give them home work for the day.

4. How do you manage your student database?

**Answer.** Manually, by using registers for attendance and mark sheets for marking them. Other information about students, like date of birth, date of admission, father's name, etc. are all maintained by the admissions department.

5. Do you think **Paper Less** school management can be effective?

- Yes
- No

**Answer.** Yes

6. How good is your internet skill?

- Good

- Better
- Best

**Answer.** Very good, but many teachers are not very good at it.

7. Are you aware of e-learning?

- Yes
- No

**Answer.** Yes

8. How often do you forget your class schedule?

- Sometimes
- Often
- Never

**Answer.** Often

9. What kind of data need to be store in database?(name it)

**Answer.** Student data, Teacher's data, Student performance data, attendance data, etc.

10. Do you think virtual platform can be done by this Web Application?

- Yes
- No
- Maybe

**Answer.** That would be a very good idea

11. How long it'll take to find out which students are dropped out from the school?

**Answer.** No idea

12. Can you monitor each and every student's progress in the class?

- Yes
- No

**Answer.** Can be done if there is suitable software

13. Do you think this website can be an effective way of communication between teachers, parents and students?

- Yes
- No
- Maybe

**Answer.** Yes, if it is made effectively

14. How many times do you organize a survey in your school? (in a year)

- 1-3
- 3-5
- 5-7
- Never.

**Answer.** Never

15. Can you keep track of student attendance?

- Yes
- No

**Answer.** Yes

16. Can you keep track of student/ teacher performance in school?

- Yes
- No

**Answer.** Yes

17. Are you able to access your school data base when you are not in school??

- Yes
- No
- Not Yet

**Answer.** Not yet

18. Do you think keeping a record of all students can reduce the rate of dropped out students?

- Yes

- No
- Maybe

**Answer.** Maybe

19. Can you make teacher rating in your school? (for student)

**Answer.** It is not practiced in schools

20. What do you need in a school management software? (Major 3 things)

**Answer.**

- (1) Attendance tracking
- (2) Fee tracking
- (3) Student performance tracking
- (4) Email system to inform parents about imp announcements
- (5) Easy way for teachers, students, admin officials and management to communicate and exchange corresponded
- (6) Algorithms to help management make timetables and teacher's schedules
- (7) Algorithms to maintain duty rosters for teachers

(8) System to arrange substitution for teachers who r absent and to make sure that the information reaches the substitute teacher on time, by sms or email or some their alert system.

## **Appendix –B:**

### **Use Cases:**

- ★ Teacher registration

UC-10 Register as a new user	
Summary	User needs to register themselves in this application with the help of administration.
Priority	Essential
Use Frequency	Once a time
Direct user	Teacher
Main success	1. Visit the login page.

Scenario	<ol style="list-style-type: none"> <li>2. Click to register as a new user.</li> <li>3. Enter identify information: Name, Email id, Registration number, Password (twice), upload a picture.</li> <li>4. Submit the form.</li> <li>5. Check the email.</li> <li>6. Login.</li> </ol>
Alternative scenario	N/A

UC-11 Request new password	
Summary	Users can change the password.
Priority	Expected
Use Frequency	Rarely
Main success scenario	<ol style="list-style-type: none"> <li>1. Go to the login page.</li> <li>2. Login by teacher.</li> <li>3. Go to the change password button.</li> <li>4. Write the old one.</li> <li>5. Write the new one (twice).</li> <li>6. Submit.</li> </ol>

UC-12 Edit the profile	
Summary	User can edit their own profile
Priority	Expected
Use Frequency	Rarely
Main success scenario	<ol style="list-style-type: none"> <li>1. Go to the login page.</li> <li>2. Login by teacher.</li> <li>3. Go through the edit button.</li> <li>4. Edit your profile.</li> <li>5. Submit.</li> </ol>

UC-13 View the profile	
Summary	User can view their own profile
Priority	Expected
Use Frequency	Often
Main success scenario	<ol style="list-style-type: none"> <li>1. Go to the login page.</li> <li>2. Login by teacher.</li> <li>3. View their profile.</li> </ol>

★ Student Registration

UC-20 Register as a new user	
Summary	Student needs to register themselves in this application with the help of administration.
Priority	Essential
Use Frequency	Once a time
Direct actors	Student
Main success scenario	<ol style="list-style-type: none"> <li>1. Visit the login page.</li> <li>2. Click to register as a new user.</li> <li>3. Enter identify information: Name, Date of Birth, Birth certificate number, upload a picture, password (twice).</li> <li>4. Submit the form.</li> <li>5. Login.</li> </ol>
Alternative scenario	N/A

UC-21 Change password	
Summary	User can change the password
Priority	Expected
Use Frequency	Rarely
Main success scenario	<ol style="list-style-type: none"> <li>1. Go to the login page.</li> <li>2. Login by student.</li> <li>3. Go through the change password button.</li> <li>4. Write the old one.</li> <li>5. Write the new one (twice).</li> <li>6. Submit.</li> </ol>
Alternative scenario	N/A

UC-22 View the profile	
Summary	User can view their profile
Priority	Expected
Use Frequency	Often
Main success scenario	<ol style="list-style-type: none"> <li>1. Go to the login page.</li> <li>2. Login by student.</li> <li>3. View their profile.</li> </ol>

UC-23 Edit the profile	
Summary	User can edit their own profile
Priority	Expected
Use Frequency	Often
Main success scenario	<ol style="list-style-type: none"> <li>1. Go to the login page.</li> <li>2. Login by student.</li> <li>3. Go through the edit button.</li> <li>4. Edit your profile.</li> <li>5. Submit.</li> </ol>

★ Class routine view

UC-30 Class routine view	
Summary	Student can check their class routine
Priority	Essential
Use Frequency	Once a time
Direct actor	Student
Main success scenario	<ol style="list-style-type: none"> <li>1. Go through the login page</li> <li>2. Login by student.</li> <li>3. Check the routine.</li> </ol>

★ Class routine create

UC-31 Class routine create	
Summary	Create the class routine
Priority	Essential
Use frequency	Often
Direct actor	Principal
Main Success scenario	<ol style="list-style-type: none"> <li>1. Go to the login page.</li> <li>2. Login by principal.</li> <li>3. Open the class routine page.</li> <li>4. Click the create button.</li> <li>5. Create the class routine.</li> <li>6. Submit.</li> </ol>



★ Grade sheet

UC-32 Grade sheet view	
Summary	Check their own grade sheet
Priority	Essential
Use Frequency	Rarely
Direct actor	Student
Main success scenario	<ol style="list-style-type: none"> <li>1. Go through the login page.</li> <li>2. Login by student.</li> <li>3. Open grade sheet page.</li> <li>4. Check grade sheet.</li> <li>5. Download the grade sheet.</li> </ol>

★ Upload grade and view

UC-33 Upload grade and view	
Summary	User can upload and view students result
Priority	Essential
Use Frequency	Once a time
Direct actor	Teacher, Principal
Main success scenario	<ol style="list-style-type: none"> <li>1. Go to login page and login.</li> <li>2. Open upload result and view page.</li> <li>3. Upload the subject wise grade.</li> <li>4. Check and update the grade.</li> <li>5. Click submits and after uploading the grade principal can view the grade.</li> </ol>

★ Online leave application

UC-40 Online Leave Application	
Summary	User can send a leave application
Priority	Expected
Use Frequency	Often
Direct actor	Teacher, Principal
Main success scenario	<ol style="list-style-type: none"> <li>1. Go to the login page.</li> <li>2. Login by teacher, principal.</li> <li>3. Open the leave application page.</li> <li>4. Apply for a leave. Types of leave like casual leave, medical</li> </ol>

	leave, earn leave. 5. Days depend on leave with perfect reasons. 6. Click submits and after submitting the click button this application will go to principal. 7. Then principal view and accept or reject this application and then send to the teacher.
--	--

★ Notice board

UC-41 Notice Board	
Summary	Create the notice board
Priority	Expected
Use Frequency	Often
Direct Actor	Administrator
Main success scenario	<ol style="list-style-type: none"> <li>1. Go to the login page.</li> <li>2. Login by administrator.</li> <li>3. Publish the important notice.</li> <li>4. Update the notice board.</li> </ol>

★ Notice board view

UC-42 Notice board view	
Summary	View he notice board
Priority	Expected
Use Frequency	Often
Direct actor	Teacher, student, principal
Main success scenario	<ol style="list-style-type: none"> <li>1. Go to the login page.</li> <li>2. Login the page.</li> <li>3. View the important notice by date wise.</li> </ol>

★ Found and lost

UC-43 Found and Lost	
Summary	Post found and lost thing
Priority	Expected
Use Frequency	Often
Direct actors	Student, Teacher
Main success	<ol style="list-style-type: none"> <li>1. Go to the login page.</li> </ol>

scenario	<ol style="list-style-type: none"> <li>2. Login by teacher and student</li> <li>3. Go to the found and lost page.</li> <li>4. Post the found and lost thing.</li> </ol>
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★ Guardian Registration

UC-44 Register as a new user	
Summary	Guardian needs to register themselves in this application with the help of administration.
Priority	Essential
Use Frequency	Once a time
Direct Actors	Guardian
Main success scenario	<ol style="list-style-type: none"> <li>1. Visit the login page.</li> <li>2. Click to register as a new user.</li> <li>3. Enter identify information: Father Name, Mother name, profession, Student name, Student id etc.</li> <li>4. Submit the form.</li> <li>5. Check the email.</li> <li>6. Login.</li> </ol>
Alternative scenario	N/A

★ Principal Registration

UC-45	Register as a new user
Summary	User needs to register themselves in this application with the help of administration.
Priority	Essential
Use Frequency	Once a time
Direct Actors	Principal
Main success Scenario	<ol style="list-style-type: none"> <li>1. Visit the login page.</li> <li>2. Click to register as a new user.</li> <li>3. Enter identify information: Father name, Mother name, profession, Student name, Student id etc.</li> <li>4. Submit the form.</li> <li>5. Check the email.</li> <li>6. Login.</li> </ol>
Alternative scenario	N/A

## Use Cases by Stakeholders

### ➤ Teacher

- UC-01: Entry the attendance
- UC-02: View attendance report
- UC-10: Register as new user
- UC-11: Request new password
- UC-12: Edit the profile
- UC-13: View the profile
- UC-22: View the profile(Student)
- UC-33: Upload result and view
- UC-40: Online leave application
- UC-43: Notice board view
- UC-44: Found and Lost

### ➤ Student

- UC-21: Change password
- UC-22: View the profile
- UC-23: Edit the profile
- UC-30: Class routine view
- UC-32: Grade sheet
- UC-42: Notice board view
- UC-43: Found and Lost

### ➤ Principal

- UC-02: View attendance report
- UC-31: Class routine create
- UC-33: Upload result and view
- UC-42: Notice board view
- UC-22: View the profile

➤ Administrator

- UC-13: View the profile
- UC-22: View the profile
- UC-41: Notice board
- UC-00: Login the site(as a new user)
- UC-00(a): Login the site. (as an old user)
- UC-20: Register as a new user
- UC-00: Login the site(as a new user)
- UC-00(a): Login the site(as an old user)
- UC-00: Login the site(as a new user)
- UC-00(a): Login the site(as an old user)

➤ Guardian

- UC-02: View attendance report

## Use Cases by Priority

➤ Essential

- UC-00: Login the site(as a new user)
- UC-00(a): Login the site(as an old user)
- UC-01: Entry the attendance
- UC-02: View attendance report
- UC-10: Register as a new user
- UC-20: Register as a new user
- UC-30: Class routine
- UC-31: Class routine create
- UC-32: Grade sheet
- UC-33: Upload grade and view

➤ Expected

- UC-11: Request new password
- UC-12: Edit the profile
- UC-13: View the profile
- UC-21: Change password

- UC-23: Edit the profile
- UC-40: Online leave application
- UC-41: Notice board
- UC-42: Notice board view
- UC-44: Found and Lost

## Appendix –C:

### Test cases:

Purpose	Login the site as an old user.
Prerequisite	Assume to be “Login” as teacher.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	1. See personal page.

### Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Teacher]:** Login as a teacher.

**Visit [Login the site as a old user]:**Visit the login page as a old user.

**Enter[Email id, password as value]:**Enter your mail id and password as value.  
Value can be literal value.

**Click[Button name]:**Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page.  
If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

- 2) Cinderella=7- Invalid
- 3) antora- character.
- 4) empty.

**Perform[as an old user]:** Old user can go through the login page, give his/her mail id, give password, click login and see personal page.

Purpose	Login the site as an old user.
Prerequisite	Assume to be "Login" as principal.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	1. See personal page.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as principal]:** Login as a principal.

**Visit [Login the site as an old user]:** Visit the login page as a old user.

**Enter[Email id, password as value]:** Enter your mail id and password as value.  
Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page.  
If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) empty.

**Perform[as a old user]:** Old user can go through the login page, give his/her mail id, give password, click login and see personal page.

Purpose	Login the site as an old user.
Prerequisite	Assume to be "Login" as guardian.
Test Data	Login id={ Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	1. See personal page.

### Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Guardian]:** Login as a guardian.

**Visit [Login the site as an old user]:**Visit the login page as an old user.

**Enter[Email id, password as value]:**Enter your mail id and password as value.  
Value can be literal value.

**Click[Button name]:**Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page.  
If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid



3) antora- character.

4) empty.

**Perform[as an old user]:** Old user can go through the login page, give his/her mail id, give password, click login and see personal page.

Entry the attendance	
Purpose	Attendance entry
Prerequisite	Assume to be "login".
Test data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	1. Open attendance sheet and give attendance. 2. Check and update attendance.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Teacher]:** Login as a teacher.

**Visit [entry the attendance]:** Visit the attendance page as a teacher.

**Enter[Email id, password as value]:** Enter your mail id and password as value.  
Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page.  
If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

#### 4) Empty.

**Perform[entry the attendance]:** Go to the login page, teacher can login with his/her mail id and password, open the attendance page, roll call the student's and give the attendance.

**Perform[check the attendance]:** Go to the login page, teacher can login with his/her mail id and password, open the attendance page, if he/she has any doubt about attendance teacher can check the attendance.

**Perform[update the attendance]:** Go to the login page, teacher can login with his/her mail id and password, open the attendance page, teacher can update the attendance, if any abnormal situation come then another teacher can take the attendance in his/her page and give the attendance to the class teacher and he/she can update the attendance.

View the attendance report	
Purpose	View the attendance.
Prerequisite	Assume to be "login" as teacher.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	1. Open attendance page. 2. View the attendance and download the report.

### Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Teacher]:** Login as a teacher.

**Visit [view the attendance report]:** Visit the attendance page and view the attendance report.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[view attendance report]:** Go to the login page, login yourself using your mail id and password, go to the attendance page, click on view the attendance report and see the report. If teacher enter any incorrect roll no then a message shows "please enter a correct roll no and then view the attendance".

Purpose	View the attendance.
Prerequisite	Assume to be "login" as principal.
Test Data	Login id={ Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={ valid, invalid, empty}
Steps	<ol style="list-style-type: none"><li>1. Go to the login page.</li><li>2. Enter email id.</li><li>3. Give password.</li><li>4. Click login.</li><li>5. Open attendance page.</li><li>6. View the attendance and download the report.</li></ol>

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as principal]:** Login as a principal.

**Visit [view the attendance report]:** Visit the attendance page and view the attendance report.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) empty.

**Perform[view attendance report]:** Go to the login page, login yourself using your mail id and password, go to the attendance page, click on view the attendance report and see the report. If teacher enter any incorrect roll no then a message shows "please enter a correct roll no and then view the attendance".

Purpose	View the attendance.
Prerequisite	Assume to be "login" as guardian.
Test Data	Login id={ Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	<ol style="list-style-type: none"> <li>1. Go to the login page.</li> <li>2. Enter email id.</li> <li>3. Give password.</li> <li>4. Click login.</li> <li>5. Open attendance page.</li> <li>6. View the attendance and download the report.</li> </ol>

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as guardian]:** Login as a guardian.

**Visit [view the attendance report]:** Visit the attendance page and view the attendance report.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) empty.

**Perform[view attendance report]:** Go to the login page, login yourself using your mail id and password, go to the attendance page, click on view the attendance report and see the report. If teacher enter any incorrect roll no then a message shows "please enter a correct roll no and then view the attendance".

Teacher registration(as a new user)	
Purpose	Register as a new user
Prerequisite	Assume as a "login" as teacher.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={ valid, invalid, empty}
Steps	<ol style="list-style-type: none"><li>1. See the use of term page.</li><li>2. Click agree radio button at page bottom.</li><li>3. Click submit button.</li><li>4. See personal page.</li><li>5. Verify that welcome message is correct username.</li></ol>

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Teacher]:** Login as a teacher.

**Visit [Teacher registration page]:** Visit teacher registration page as a new register.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Enter [name, e-mail, password (twice), DOB, sex Mobile no]:** These entire field are important and an old user can only give his/her mail id and password.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[new teacher registration]:** visit the login page, new user then registers you, give name, email id, registration number, password (twice), and upload a picture, click sign up, check your mail id and see verify message that you are register successfully. An old teacher cannot register again. If he/she does this then a message comes " you are already registered". You have to fulfill every field with valid information. If not so then a message shows " please enter valid information."

Request a new password	
Purpose	Change the password
Prerequisite	Assume to be "login" as teacher.
Test Data	Login id={ Valid login id, invalid login id, valid e-mail, invalid e-

	mail, empty} Password={valid, invalid, empty}
Steps	<ol style="list-style-type: none"> <li>1. See personal page.</li> <li>2. Click on edit button.</li> <li>3. Change the password.</li> <li>4. Click submit button.</li> </ol>

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Teacher]:** Login as a teacher.

**Visit [change password page]:** Visit change password page when you only change the password.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[change the password]:** Visit the log in page, enter mail id and password, go to the edit button, write the old password, and give new one (twice), click submit button and you successfully change your password. If you give any invalid password then a message shows "your password is not valid".

Edit the profile	
Purpose	Teacher can edit their profile.
Prerequisite	Assume to be "login" as teacher.
Test Data	Login id={ Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	<ol style="list-style-type: none"> <li>1. Go through the edit button.</li> <li>2. Edit your profile.</li> <li>3. Click submits.</li> </ol>

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Teacher]:** Login as a teacher.

**Visit [edit profile]:** Visit edit profile page when you want to edit your profile.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[edit the profile]:** Visit the log in page, enter mail id and password, go to the edit button, edit your profile, and click on submit and see a message shows that "your profile edit successfully".

View the profile	
Purpose	Teacher can view their profile.



Prerequisite	Assume to be "login" as teacher.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	1. View your personal page.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Teacher]:** Login as a teacher.

**Visit [view profile]:** Visit view profile page.

**Enter[Email id, password as value]:** Enter your mail id and password as value.  
Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page.  
If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[view the profile]:** Visit the log in page, enter mail id and password, and see the personal page.

View the profile	
Purpose	Administrator can view teachers' profile.

Prerequisite	Assume to be "login" as administrator.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	1. View the teachers' profile by searching teachers' name.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Administrator]:** Login as a administrator.

**Visit [view profile]:**Visit view profile page.

**Enter[Email id, password as value]:**Enter your mail id and password as value.  
Value can be literal value.

**Click[Button name]:**Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page.  
If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[view the profile]:** Visit the log in page, enter mail id and password, and view the teachers' profile by searching teachers' name.

Student registration (as a new user)	
Purpose	Register student as a new user.
Prerequisite	Assume to be "login" as student.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty}

	Password={ valid, invalid, empty}
Steps	<ol style="list-style-type: none"> <li>1. See the use of term page.</li> <li>2. Click agree radio button at page bottom.</li> <li>3. Click submit button.</li> <li>4. See personal page.</li> <li>5. Verify that welcome message is correct username.</li> </ol>

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Student]:** Login as a student.

**Visit [Student registration page]:** Visit student registration page as a new register.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Enter [name, e-mail, password (twice), DOB, sex Mobile no]:** These entire field are important and an old user can only give his/her mail id and password.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[new student registration]:** visit the login page, new user then registers you, give name, email id, password (twice), and upload a picture, click sign up, check your mail id and see verify message that you are register successfully. If an old user wants to register again then a message shows "you are already registered". Every new user has to give valid information(email id,

password). If a new user cannot give the valid information then a message shows "enter your valid information (email id, password)".

Change the password	
Purpose	Student can change their password.
Prerequisite	Assume to be "login" as student.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	<ol style="list-style-type: none"><li>1. See personal page.</li><li>2. Click on edit button.</li><li>3. Change the password.</li><li>4. Click submit button.</li></ol>

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Student]:** Login as a student.

**Visit [change password page]:** Visit change password page when you only change the password.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[change the password]:** Visit the log in page, enter mail id and password, go to the edit button, write the old password, and give new one (twice), click submit button and you successfully change your password. If you give any invalid password then a message shows “your password is not valid”.

Edit the profile	
Purpose	Student can edit their profile.
Prerequisite	Assume to be “login” as student.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	<ol style="list-style-type: none"> <li>1. Go through the edit button.</li> <li>2. Edit your profile.</li> <li>3. Click submits.</li> </ol>

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Student]:** Login as a student.

**Visit [edit profile]:** Visit edit profile page when you want to edit your profile.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[edit the profile]:** Visit the log in page, enter mail id and password, go to the edit button, edit your profile, and click on submit and see you successfully edit your profile.

View the profile	
Purpose	Student can view their profile.
Prerequisite	Assume to be "login" as student.
Test Data	Login id={ Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	1. View your personal page.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Student]:** Login as a student.

**Visit [view profile]:** Visit view profile page.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verifies [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[view the profile]:** Visit the log in page, enter mail id and password, and see the personal page.

View the profile	
Purpose	Administrator can view students' profile.
Prerequisite	Assume to be "login" as administrator.
Test Data	Login id={ Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={ valid, invalid, empty}
Steps	1. View the students' profile by searching students' name.

### Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Administrator]:** Login as a administrator..

**Visit [view profile]:** Visit view profile page.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verifies [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[view the profile]:** Visit the log in page, enter mail id and password, and view the students' profile by searching students' name.

Class routine create	
Purpose	Principal can create class routine.
Prerequisite	Assume to be "login" as principal.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	1. Create class routine. 2. Submit the routine.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Principal]:** Login as a principal.

**Visit [Class routine create page]:** Visit class routine create page when you only create the class routine.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[Class routine create]:** Visit the log in page, enter mail id and password and create class routine and submit the routine.



Class routine view	
Purpose	Student can view their class routine.
Prerequisite	Assume to be "login" as student.
Test Data	Login id={ Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	1. Check class routine.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Student]:** Login as a student.

**Visit [Class routine view page]:** Visit class routine view page when you only view class routine.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[Class routine view]:** Visit the log in page, enter mail id and password and when principal submit the class routine then student can check their routine. Student cannot change the routine.

Upload grade sheet	
Purpose	Teacher can upload students' grade sheet
Prerequisite	Assume to be "login" as teacher.
Test Data	Login id={ Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	<ol style="list-style-type: none"> <li>1. Teacher can upload students' grade sheet.</li> <li>2. Then submit.</li> </ol>

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Teacher]:** Login as a teacher.

**Visit [Upload grade sheet page]:** Visit upload grade sheet page when you only change the password.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[upload grade sheet]:** Visit the log in page, enter mail id and password and teacher can upload students' grade sheet by subject wise and then submit. System will show a message when value is > 100 and value is < 0. The message is "please check the value".

Grade sheet view	
Purpose	Principal can view students' grade sheet.
Prerequisite	Assume to be "login" as principal.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	1. Principal can view students' grade sheet.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Principal]:** Login as a principal.

**Visit [Grade sheet view page]:** Visit grade sheet view page when you only change the password.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[Grade sheet view]:** Visit the log in page, enter mail id and password and after submitting grade sheet student can view their grade sheet. If principal enter incorrect roll no then a message shows" please enter a correct roll number".

Grade sheet view	
Purpose	Student can view their grade sheet.
Prerequisite	Assume to be "login" as student.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	1. Student can view their grade sheet.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Student]:** Login as a student.

**Visit [Grade sheet view page]:** Visit grade sheet view page.

**Enter[Email id, password as value]:** Enter your mail id and password as value.  
Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page.  
If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[Grade sheet view]:** Visit the log in page, enter mail id and password and when teacher submit students' grade sheet then principal view the grade sheet.

Online leave application	
Purpose	Teacher can send a leave application to the principal.
Perquisite	Assume to be "login" as teacher.
Test Data	Login id={ Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={ valid, invalid, empty}
Steps	1. Write application with application type, days and reason. 2. Submit.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Teacher]:** Login as a teacher.

**Visit [Online leave application page]:** Visit online leave application page.

**Enter[Email id, password as value]:** Enter your mail id and password as value.  
Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page.  
If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[leave application]:** Visit the log in page, enter mail id and password, write type of leave, day and reasons and send it to the principal.

Online leave application view	
Purpose	Principal can view the leave application.

Prerequisite	Assume to be "login" as principal.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	1. After sending the leave application principal can view and accept or reject the application and send it to the teacher.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Principal]:** Login as a principal.

**Visit [Online leave application view page]:** Visit online leave application view page.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[leave application view]:** Visit the log in page, enter mail id and password, after sending the application to the principal, principal can view the application and click on accept or reject button and send it to the teacher.

Notice board create	
Purpose	Administrator can create the notice board.
Prerequisite	Assume to be "login" as administrator.

Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	1. Create the notice. 2. Publish.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Administrator]:** Login as an administrator.

**Visit [Notice board create page]:** Visit notice board create page when only you want to create notice.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[notice board creates]:** Visit the log in page, enter mail id and password, create the notice and publish the notice. Notice length will be 10 MB not more than it.

Notice board view	
Purpose	Student can view the notice board.
Prerequisite	Assume to be "login" as student.

Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	1. After publish the notice student can view the notice by day wise.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Student]:** Login as a student.

**Visit [Notice board view page]:** Visit notice board view page when only you want to see the notice board.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[notice board view]:** Visit the log in page, enter mail id and password, after publishing the notice board student can view the notice by day wise.

Notice board view	
Purpose	Teacher can view the notice board.
Prerequisite	Assume to be "login" as teacher.



Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={ valid, invalid, empty}
Steps	1. After publish the notice teacher can view the notice by day wise.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Teacher]:** Login as a teacher.

**Visit [Notice board view page]:** Visit notice board view page when only you want to see the notice board.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[notice board view]:** Visit the log in page, enter mail id and password, after publishing the notice board teacher can view the notice by day wise.

Notice board view	
Purpose	Principal can view the notice board.
Prerequisite	Assume to be "login" as principal.

Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={ valid, invalid, empty}
Steps	1. After publish the notice principal can view the notice by day wise.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Principal]:** Login as a principal.

**Visit [Notice board view page]:** Visit notice board view page when only you want to see the notice board.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[notice board view]:** Visit the log in page, enter mail id and password, after publishing the notice board principal can view the notice by day wise.

Found and lost thing post	
Purpose	Student can post on found and lost thing.
Prerequisite	Assume to be "login" as student.

Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty} Password={valid, invalid, empty}
Steps	1. Student can post found and lost thing here. 2. Submit.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Student]:** Login as a student.

**Visit [Found and lost thing page]:** Visit found and lost thing page when only you want to post.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[found and lost thing]:** Visit the log in page, enter mail id and password, student can post something which is found and lost by the student and then submit. You have to write in one sentence.

Found and lost thing post	
Purpose	Teacher can post on found and lost thing.
Prerequisite	Assume to be "login" as teacher.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty}

	Password={valid, invalid, empty}
Steps	<ol style="list-style-type: none"> <li>1. Teacher can post found and lost thing here.</li> <li>2. Submit.</li> </ol>

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Teacher]:** Login as a teacher.

**Visit [Found and lost thing page]:** Visit found and lost thing page when only you want to post.

**Enter[Email id, password as value]:** Enter your mail id and password as value. Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page. If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[found and lost thing]:** Visit the log in page, enter mail id and password, teacher can post something which is lost by the student and then submit. You have to write in one sentence.

Found and lost thing view	
Purpose	Student can view their lost and found thing.
Prerequisite	Assume to be "login" as a student.
Test Data	Login id={Valid login id, invalid login id, valid e-mail, invalid e-mail, empty}

	Password={valid, invalid, empty}
Steps	1. Student can view their lost thing.

## Format of test steps

Each step can be written very tersely using the following keywords:

**Login[as Student]:** Login as a student.

**Visit [Found and lost thing view page]:** Visit found and lost thing view page.

**Enter[Email id, password as value]:** Enter your mail id and password as value.  
Value can be literal value.

**Click[Button name]:** Press a named button.

**Verify [Condition]:** If it is a user, it will automatically redirect to the profile page.  
If it is not a user, it will show a message invalid username and password.

**Verify [Content]:** Email id-1) [tasbihaantora@gmail.com](mailto:tasbihaantora@gmail.com)- Valid.

2) [atiajannatul@yahoo.com](mailto:atiajannatul@yahoo.com)- Valid

3) [b.g@kl.in](mailto:b.g@kl.in) - Invalid

4) [X@yz.com](mailto:X@yz.com)- Invalid

Password- 1) cindrella7- Valid

2) Cinderella=7- Invalid

3) antora- character.

4) Empty.

**Perform[found and lost thing view]:** Visit the log in page, enter mail id and password, student can view their lost thing.

