COMP S350F   
group project

Test Plan Report



Group 37

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## Introduction

Welcome to the testing plan report for the "Teacher-Student Information Management System." This report outlines the testing approach for ensuring the system's functionality, reliability, and user-friendliness. We will conduct validation testing for all users (teachers, students, and admin) and default testing to assess the system's performance under normal usage conditions. Through these tests, we aim to identify and resolve any issues or discrepancies, ensuring a robust and efficient system. The subsequent sections will provide detailed information on the test objectives. We invite all stakeholders to actively participate in the testing process to enhance the system's performance and user experience. Let's work together to ensure the success of the "Teacher-Student Information Management System" through thorough testing and continuous improvement.

## Validation Test

### For All users

a.    Login using username and password.

Users are able to login with their username and password. Each type of account example here:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Admin | Teacher | Student |
| Username | a1234567 | t8765432 | s1289505 |
| Password | 12345678 | 87654321 | 12895052 |

b. Change their own password.

Users will be able to change their own password after login in “Update Personal Info” page. Type in the new password and type twice as confirm, then click confirm. The corresponding account’s password will be changed.

(Password must contain at least one uppercase letter, one lowercase letter, and have a minimum length of 10 characters)

### For Teachers

The following tests are required to conduct by teacher account.

1. View students' academic records
2. Upload/Delete/Download teaching resources.

In “My Course” page, select a course (e.g., S312F), The “upload” button is for teachers to upload the files. If there are some files already uploaded to the server, they should show on top of the “upload” button. Click on the files name to download them or click on the “X” button after the files name to delete them from the server.

1. Download students’ submitted assignments.

To download a students’ submitted assignment, select a course (e.g., S312F) in “My Course” page, on the right-hand side of the page, there’s a row call “Assignments”. Select an Assignment (e.g., Group Project), then click “View Student Submission”, you should now see the files each student submitted. Click on the file name to download the file.

1. Can grade for students’ assignments.

To grade a student assignment, follow the instruction of “Download students’ submitted assignments”, on the same page that you can see students’ submitted files name, there’s a row call “Grade”. You can now edit their grading by double click on that row cell. After editing, click “Grade Assignment” button to save the grading.

### For Students

The following tests are required to conduct by student account.

1. View their own academic records.

On the “Academic Records” page, students can view all course result that they have taken.

1. Update their personal information.

Students can update their owned phone number and email.

Click update to confirm the change.

1. Download teaching resources.

To download a teaching resource, first select a course on “My Courses” page (e.g. S312F) click on the file name and the download will start.

1. Submit assignments.

Follow the instruction of “Download teaching resources”, on the same page to download files, there should be a row “Assignment”, click on a specific assignment, click “Attach file” to upload your work and click “Confirm Submission” to submit the file.

### For Admin

The following tests are required to conduct by admin account.

1. Manage user access levels.

On “Manage Accounts” page, admins are able to double click on account’s role to change their role.

e.g., change “teacher” to “student” will change the account from teacher to user permission.

1. Download data for backup purpose.

To backup database, click on “Backup database” tab and assign a directory for the file to save, the database data will then download to your device.

1. Can also change the password of others.

On “Manage Accounts” page, admins also able to double click on account’s password and edit it to change other account’s password.

e.g., change account “s1212121” password from “12121212” to “21212121”

the password of “s1212121” will then change to “21212121”.

## Defect Test

1. With the teacher account, view academic record will print out all the academic result of the selected student instead of all students’ result on that course.
2. With the student account and teacher account, in the Academic records course table topic can change Location.