Ice4HU
Software Test Report

1. Introduction

1.1 Purpose and Scope

The Software Test Report serves the purpose of validating that the project achieves its objectives and detects any defects prior to its presentation. It encompasses the results of test cases derived from the defined use cases in the Software Requirements Specification (SRS). The report encompasses comprehensive descriptions of test activities, addresses security and privacy concerns, elucidates data recording, reduction, and analysis procedures, outlines the test preparation environments encompassing both hardware and software aspects, and encompasses other pertinent test preparations.

1.2 Descriptions and Abbreviations

SRS Software Requirements Specification

UC Use Case

TC Test Case

2. Descriptions of Test Activities

2.1 Document Security

This document can be edited by the team members only. Also, no one can access documents other than bbm384 teachers.

2.2 Data Recording, Reduction and Analysis

During and after the test, various procedures are employed for data recording, reduction, and analysis. These procedures encompass a range of techniques, including manual, automatic, and semi-automatic approaches, to ensure comprehensive coverage of test results.

3. Test Preparation

3.1 Hardware Preparation

Computers are Intel(R) Core(TM) i7-10510U CPU @ 1.80GHz and Intel(R) Core(TM) i5-9300H CPU @ 2.40GHz that are used for testing. All computers are windows 11.

3.2   Software Preparation

React.js used for frontend and c# , java is for backend to test.

Google chrome version is 113.0.5672.129

Ms Sql is used for databases.

Application runs on http://localhost:3000 server.

3.3   Other Pre-test Preparations

The tester in the team will undergo testing before the final presentation when the application is deemed ready for presentation. Each use case and its corresponding test cases will be executed. Each developer in the team manually tests their implementation and records any issues encountered during the testing process. This ensures that the tester focuses more attention on addressing problematic implementations.

4. Test Results

Use Case Number	Use Case Name	Test Case Description	Retest	Number of activity paths testes	Number of Non-working Activity Paths	The time spent (minutes)
1	Login	System needs some information and user login by that information.	No	6	0	4
2	User Type Assignment	This needs the right user type assigned.	No	3	0	5
3	Add Course	Testing of admin add as it provided	No	3	1	7

4	Delete Course	Testing of admin delete as it provided	No	5	0	5
5	Delete a Question	This step is testing for deleting a question from survey	No	4	0	10
6	Approve/Reject enrollment request	The admin will perform the testing of rejecting and approving enrollment requests. This involves reviewing the enrollment requests submitted by users and making decisions to either reject or approve them	No	4	0	5
7	Admin Deletes Dismissed Students and Resigned Academicians	The testing process for deleting students and assistants involves ensuring that the system allows authorized users.	No	7	1	5
8	Add Instructors	The testing process for verifying that instructors can successfully add themselves to the system involves ensuring that the system provides a seamless and user-friendly interface for instructors to create their accounts and access the necessary functionalities	No	3	0	5
9	Enroll with email and password	The testing process for user enrollment with email and password involves verifying that users can successfully create an account in the system by providing their email address and password.	No	4	0	7
10	Enroll to Courses	The testing process for students enrolling in courses involves verifying that students can	No	2	0	4

		successfully enroll in desired courses within the system				
11	**Change Personal Information**	**The testing process for actors changing personal information involves verifying that actors (users) within the system can successfully update their personal details**	**No**	**5**	**0**	**6**
12	**Manage and Send Survey**	**The testing process for students managing their surveys involves verifying that students can successfully create, edit, and submit surveys within the system.**	**No**	**4**	**0**	**5**
13	**Calculating responses correctly**	**To ensure that the displayed survey statistics accurately reflect the collected responses, the testing process involves comparing the statistics shown by the system with the actual response data**	**No**	**5**	**0**	**7**
14	**Create and Manage Survey**	**To ensure that instructors can effectively manage the survey, the testing process involves verifying various functionalities and operations available to them**	**No**	**3**	**0**	**5**
15	**Send Requests for Re-Evaluation**	**To ensure that instructors can send requests for re-evaluation, the testing process involves verifying the functionality and effectiveness of this feature**				
16	**Assign Instructors to Courses**	**To test the functionality of the Department Manager's ability to assign instructors to specific courses**	**No**	**4**	**0**	**5**

17	Share survey results with instructors	To test the functionality of the Department Manager's ability to share assessment-related results with all instructors	No	2	2	5
18	Re-evaluation re-sends survey	To test the functionality of re-evaluation request re-sending the survey to students	No	2	0	4
19	Edit Survey	To test the functionality of editing surveys	No	4	1	3

4.1   Criteria for Evaluating Results

General Criterias:

2. All statements must be executed.
3. System must respond at most 1 second.
4. Error notifications or warnings should be presented to the user in a manner that is easy to comprehend and does not cause confusion.

 Special Criterias:

1. Logout: User must be redirected to the main page.
2. Add Instructor: Only Admin can add instructor
3. Dismissed students and resigned academicians can't access again
4. Everyone can change their personal information
5. Survey statistics must be the same as response.

5.   References

[1] Use Case Definition

[2] Test Case Definition