CoSpace
Software Test Report

1.   Introduction

1.1   Purpose and Scope

The purpose of this document is to show that the project does what it is intended to do and to discover program defects before the final representation of the project. This document includes detailed results of the test cases for every requirement in the requirements documents. [1,2,3]

The Software Test Report document also includes descriptions of test activities, test preparation stages like hardware and software preparation for testing and evaluating criterias of the test results.

1.2   Descriptions and Abbreviations

STR   Software Test Report
UC   Use Case
TC   Test Case
CS   CoSpace

OE   Overengineer Team

2.   Descriptions of Test Activities

2.1   Document Security

This STR is prepared for all stakeholders of the project and nobody else can access this STR. Also only the developers (overengineers team) of the CS can edit this document. This document can be accessible from the project repository on GitHub, where only authorized persons can access, and this STR is stored in Google Docs which have a password only known by OE.

Also, this STR expires at the end of the project deadline for the course of BBM 384, 2021.

2.2   Data Recording, Reduction and Analysis

Manual testing is used for testing the CS, and all the data for the testing is specified in the test case definitions document in detail. [3]

3. Test Preparation

3.1   Hardware Preparation

All the testing done on a desktop computer with a reliable internet connection. Desktop computer has a Intel(R) Core(TM) i5-8265U CPU @ 1.60GHz 1.80 GHz processor and 12.0 GB RAM.

3.2   Software Preparation

Testing is done with client run on a Version 20H2 Windows 10 Pro operating system and browser Google Chrome Version 90.0.4430.212 Official Build 64-bit and another browser Microsoft Edge Version 90.0.818.66 Official Build 64-bit.

A local PostgreSQL database server and default embedded web server for Spring Boot is used.

4.   Test Results

Use Case Number	Use Case Name	Test Case Description File Name	Retest?	Number of Activity Paths Tested	Number of Non-working Activity Paths	The time spent (in minutes)
1	**Register UC1**	**TC1-1: One can register with a valid email and password** **TC1-2: One cannot register with an invalid email and password**	**yes**	**2**	**0**	**2**
2	**Login UC2**	**TC2-1: One can login with their email & password if s/he has already registered** **TC2-2: One cannot login with their email & password if s/he has not registered**	**yes**	**2**	**0**	**2**
3	**Search UC3**	**TC3-1: The system shall list all possible results about the related keyword written in the search bar**	**yes**	**2**	**0**	**5**
4	**Browse club/sub-club feed UC4**	**TC4-1: The system shall display the posts in a specific order that actor specified**	**yes**	**1**	**0**	**5**

5	Send private message UC5	TC5-1: When a member sends a message to another member, it is received by the receiver in an instant fashion.	yes	1	0	10
6	Create post UC6	TC6-1 :When created a post, it appears on the club/sub-club feed.	yes	1	0	5
7	Delete one's own post UC7	TC7-1: When a post is deleted, it disappears immediately.	yes	1	0	5
8	Request new club/sub-club UC8	TC8-1: Requesting a new sub-club under the given upper club. TC8-2: Requesting a new club	yes	2	0	20
9	Fill in questionnaire UC9	TC9-1: Questionnaire should be passed when the result is over 50 points TC9-2: Questionnaire should be passed when the result is under 50 points	yes	2	0	5
10	Enroll club/sub-club UC10	TC10-1: When the member passes the questionnaire, he/she can enroll in the club/sub-club. TC10-2: When the member fails the questionnaire, he/she can not enroll to the club/sub-club.	yes	2	0	5
11	Rate and review clubs/sub-clubs UC11	TC11-1: Tests whether a member can post a review to the "meta" page of the club/sub-club. TC11-2: Tests whether a member can post a review along with their satisfaction rate to the "meta" page of the club/sub-club.	yes	2	0	10
12	Request to be the moderator of a sub-club UC12	TC12-1: Tests whether the member of a sub-club can send a request to become a sub-club moderator	yes	1	0	10

13	**Create questionnaire UC13**	**TC13-1: Tests whether the questionnaire of club/sub-club is created.**	**yes**	**1**	**0**	**10**
14	**Create clubs/sub-clubs UC14**	**TC14-1: Admins can create clubs**	**yes**	**1**	**0**	**10**
15	**View member information UC15**	**TC15-1: Admins and moderators can view member information**	**yes**	**1**	**0**	**5**
16	**Delete clubs/sub-clubs UC16**	**TC16-1: Admins can delete sub clubs or clubs**	**yes**	**1**	**0**	**10**
17	**Delete a member's post UC17**	**TC17-1: Admins and moderators can delete any inappropriate post**	**yes**	**1**	**0**	**10**
18	**Ban/dismiss member UC18**	**TC18-1: Admins and moderators can ban some users who write forbidden things from the system.**	**yes**	**1**	**0**	**20**
19	**Create event UC19**	**TC19-1: Moderators should be able to create events in their clubs**	**yes**	**1**	**0**	**10**
20	**Report content UC20**	**TC20-1: Members should be able to report any inappropriate post, and the system should send the message to admins and the moderator of the club**	**yes**	**1**	**0**	**5**

TOTAL	**20**			**27**	**0**	**~160 min**

4.1   Criteria for Evaluating Results

- The first test adequacy criteria is to execute all the statements.
- Every process that is possible to execute on the system must be done in milliseconds.
- In any case of crash or error, it should be handled and the user should be briefly notified about that.

5.   References

1. CoSpace - Software Requirements Specification
2. CoSpace - Use Case Definitions
3. CoSpace - Test Case Definitions