LinkedHU_CENG
Software Test Report

1.   Introduction

1.1   Purpose and Scope

The goal of this document is to demonstrate that the project accomplishes its goals and identify defects before its presentation. This document contains results of test cases. These test cases are formed according to use cases defined in SRS. This document includes descriptions of test activities. It consists of description of security or privacy considerations associated with this document, how we do data recording, reduction and analysis, test preparation environments (hardware and software), and other test preparations.

1.2   Descriptions and Abbreviations

STR   Software Test Report
UC   Use Case
TC   Test Case
SRS   Software Requirements Specification

2.   Descriptions of Test Activities

2.1. Document Security

This document can be accessed by stakeholders of the project. This document can also only be edited by the development team (Exploding Gradients). The project is accessible from Github. Its repository is only accessible by teachers of the BBM384 course and the developer team. STR is stored in Google Drive that is only accessible by permitted users.

2.2. Data Recording, Reduction and Analysis

In the test case definitions, all the data for the testing is determined. According to these data manual testing is done. The members of the team executed some tests on their implementation.

3. Test Preparation

3.1. Hardware Preparation

All the tests are done on a laptop computer that has a Intel(R) Core(™) i5-9300H CPU @ 2.40GHz 2.40 GHz processor and 8 GB RAM.

3.2. Software Preparation

Describe the general procedures necessary to prepare the items under test and any related software, including data, for the test. Provide the following information as applicable:

Testing is done with the operating system Windows 11 and browser Google Chrome Version 101.0.4951.64. As a database, a local PostgreSQL database server is used. The application runs on https://localhost:7263/.

3.3. Other Pre-test Preparations

Tester of the team will be tested before the final presentation when the application is ready for the present. Every use case and its test cases will be executed. Every developer in the team manually tests their implementation and saves issues with the implementation. So that the tester gives more attention the the problematic implementations.

4. Test Results

Use Case Number	Use Case Name	Test Case Description	Retest	Number of Activity Paths Tested	Number of Non working Activity Paths	The time spent (minutes)*
1	Sign up	System creates an account with the information taken from the user when user signs up	No	5	0	5
2	Login	The user can sign in with their email and password.	No	5	0	2
3	Forgot Password	The administrator sends a new password to the user who forgot his/her password.	No	3	0	1
4	Manage Profile	The actor views, updates, information in his/her profile and sends delete profile requests.	No	1	0	5
5	View Profile	The user can view the user's account.	No	3	0	2

6	Update Profile	The user updates informations in his/her profile	No	3	1	10
7	Delete Account	The user makes a delete account request to the administrator, and the administrator deletes the account.	No	1	0	5
8	Add Resources	The actor can add resources and the actor creates a file on the system.	No	2	0	10
9	Delete Resources	The user can delete resources.	No	1	0	2
10	View Resources	The actor can view resources and this is a read operation.	No	1	0	3
11	Merge Emails	Merges a user's emails to a specific email address and adds a new user's email into it	No	3	0	5
12	Search	Search users and posts. Also, this use case includes both creating search events and reading results.	No	2	0	5
13	Create Post	The user can creates posts to share	No	3	0	10

		something				
14	Update Post	Actor can updates their posts	No	2	0	5
15	Delete Post	Users can delete their posts	No	1	0	1
16	Create Announcement	The user can creates an announcement	No	3	0	3
17	Update Announcement	The user can update an announcement	No	2	0	3
18	Delete Announcement	The user can delete the announcement	No	1	0	1
19	Create Advertisement	The user can create an advertisement.	No	2	0	15
20	Update Own Advertisement	The user can update own advertisements.	No	2	0	10
21	Delete Own Advertisement	The user can delete own advertisements.	No	1	0	2
22	Apply an Advertisement	The actor can apply to an advertisement. This event produces an advertisement application on the system.	No	3	1	10
23	Get Applicants' Details	View applicants' details who apply for an	No	1	0	5

		advertisemen t. This use case includes read operation.				
24	Share the Post Link	View applicants' details who apply for an advertisemen t. This use case includes read operation.	No	1	1	2
25	Get User Details	Get user details which are personal information and view it. This use case includes the read operation.	No	3	0	5
26	Export User Details	The administrator can save user details as Excel files.	No	1	0	5
27	Ban Users	The administrator controls the code of conduct.	No	3	0	10
28	Assign Student Representativ e	The selected student is determined as the student representativ e.	No	3	0	5
29	Make a Comment	The actor can make a comment on a post. This use case includes create operations.	No	3	0	5

30	Delete a Comment	The actor can delete a comment on a post.	No	1	0	2
31	Report Content	The actor can report users. This use case includes the create operation.	No	3	0	10
32	Follow a User	The user can follow a user.	No	1	0	5

4.1. Criteria for Evaluating Results

General Criterias:

- All statements must be executed.
- The system shall provide a maximum response time of 0.5 seconds for any kind of operation in the system.
- The user must be informed about the errors and a notification or a warning must be shown to the user. This warning must be easy to understand.

Specialized Criterias:

- Logout: The user must be redirected to the home page.
- View Comments: Comments in main page and the profile is limited with 3 comments to see more comments the user must click to "Click here to see comments"
- Create resources: Only academicians can share resources. Banned users cannot share resources.
- View Resources: Resources are shown only on the academician' profile.
- Update Resources: Banned users cannot update resources.
- Create Announcements: The students and banned users cannot share announcements. Student representatives can.
- Update Announcements: Banned users cannot update announcements.
- View Announcements: Announcements are only shown on the main page.
- Create Post: Banned users cannot share posts.
- Update Post: Banned users cannot update posts.
- Create Advertisements: Except banned users, everyone can create advertisements.
- Apply Advertisements: Except banned users, everyone can apply advertisements.

5. References

[1]   Exploding Gradients - Software Requirements Specification 3.

[2]   Exploding Gradients - Use Case Definitions

[3]   Exploding Gradients - Test Case Definitions

Distribution of Tasks:

This document was prepared by Software Tester (Tuğçe Kızıltepe) with contributions of the entire team.