***TEST SPECIFICATION***

By Group 8

Team Members: -

Nischal Gudehindler Lingeswara (2825960)

Savan Yeshwanth Rao (2784780)

Vadde Krishnasai (2805416)

Gangula Harshini (2845690)

**1.0 Introduction**

**Test Plan & Test procedures: -**

As of now we finished working on the following objectivities and we are trying to test them with different screen sizes as the UI design is the important role in the application so considering the different devices brands and the environment of the android phones we are trying to project the application user friendly on any device so we are been working on especially UI presentations for the users devices so, for now we are working on this emulators in future we will make the app able to be working on all devices as user friendly. And the current version of android studios is Runtime version: Android Studio Dolphin 11.0.13+0-b1751.21-8125866 amd64.

**1.1 Goals and objectives**

The impact of using computer applications to the teaching and learning processes is becoming important issues and this project attempts to provide a solution to these problems. Thus, we aim to develop a prototype of an online internship management system that works by allowing the university to deploy a web portal, to collect applicant’s data, review that data, make a decision, and then continue to interact with applicants and reviewers. The goal of the system is to enable online interaction with applicants and their supervisors and automate the entire process; thereby eliminating a huge amount of paperwork and manual tasks.

**OBJECTIVITIES:** -

Tested the following contents.

**JAVA CLASS.**

1. Forgot password

2. Home Activity

3. Home Fragment.

4. Login Activity.

5. Welcome Activity

6. Register Activity

7. Reset password Activity.

**XML FRONT END.**

1. Forgot password

2. Home Activity

3. Home Fragment.

4. Login Activity.

5. Welcome Activity

6. Register Activity

7. Reset password Activity.

**1.2 Statement of scope**

The things listed in the Objectives are been tested and working without zero errors by using virtual emulator version PIXL 4 API 28 we will be keep upgrading the version as per the requirements, working size of the hardware for the UI designs 1080\*2280. For to be tested on the actual devices after completed of the development of the application. And also including the following elements need to be updated.

**JAVA CLASSES.**

1. Main Activity.
2. User Verification activity.
3. Search Fragment.
4. On Boarding Activity.
5. Profile Fragment.

**XML FRONT END**.

1. Main Screen Activity.
2. User verification activity.
3. Search Fragment.
4. On Boarding Activity.
5. Profile Fragment.
6. App bar activity.
7. Bottom Sheet Activity.
8. Internship Layout.
9. List Items Activity.
10. Navigation Header Activity.
11. Slider Layout.

**2.0 Test Plan**

This section describes the overall testing strategy, and the project management issues that are required to properly execute effective tests.

* 1. **Software to be tested**

The following should be tested in next we need to clean the source code in the java classes and in the xml file as of now we are in pending in this following this. Main Activity, User Verification activity, Search Fragment., On Boarding Activity, Profile Fragment.

**2.2 Testing tools and environment**

In the following image 2.2.1 & figure 2.2.2 shows the environments of the emulators.

Table

Description automatically generated

Figure 2.3.1

Table

Description automatically generated

Figure 2.3.2

Tools: Android Studio Dolphin 11.0.13+0-b1751.21-8125866 amd64 Emulators.

**2.4 Test schedule**

|  |  |  |
| --- | --- | --- |
| Date | Time | Description |
| 10/24/2022 | 5pm to 5:40pm | Setting up Emulators and discussing about the test cases plan. |
| 10/25/2022 | 2pm to 6:00pm | Started Working on the XML elements and java classes as mentioned in the tested objectivates |
| 10/26/2022 | 1pm to 2pm  7pm to 8pm | Connecting back with the team about the source codes requirements and fixing bugs with the Developer and resources. About the Fragments.  Referring: Concepts related to the UI Design and key futures. |
| 10/27/2022 | 4pm to 5pm  6pm to 8pm | Working with the team to test the following elements Welcome Activity, Register Activity, Reset password Activity  Fixing the parent and child elements of the code and working with the java class files to minimize the code like cleaning the code |
| 10/28/2022 | 11am to 1pm | Referred the concepts and methods that can help to clean the code from the referred the following link https://medium.com/mindorks/understanding-clean-code-in-android-ebe42ad89a99 |
| 10/29/2022 | 4pm to 7pm | Helping the Developer regarding the on-board activity, Profile elements. |
| 10/30/2022 | 5pm to 6pm | Connecting to he team member regarding the Main activity source code and fixing the data base queries. |

**3.0 Test Cases**

List of test cases for the software Input and output.

|  |  |
| --- | --- |
| **ID** | Home Activity |
| **Test Input** | Display |
| **Expected Output** | Displaying the slider view |
| **Description** | It shows us description of the app and also provides best tips for education, like walkthrough guide for the application. |
| **Screen Shorts** |  |
| **ID** | Forgot password |
| **Test Input** | Click on forgot password in sign in menu |
| **Expected Output** | User needs to enter email id to change his/her password |
| **Description** | In case if the user forget his/her password he or she can use this option to reset the password with the help of the register email id. |
| **Screen Shorts** |  |
| **ID** | Home Fragment |
| **Test Input** | It as ON click functions for sign in or sign up |
| **Expected Output** | Sign in goes to login page, sign up goes to registration page. |
| **Description** | When the user clicks on sign in page he/she can enter their email and password and login to the application if they are already a member. If not they can select the Sign Up option and register as a new member. |
| **Screen Shorts** |  |
| **ID** | Login Activity |
| **Test Input** | Email, password, sign in button, forgot password, sign up options. |
| **Expected Output** | Enter into the application, Change password, Sign up |
| **Description** | From this page the user can start his/her search for the internship, can even change the password, or even can sign up if they are new to the application. |
| **Screen Shorts** |  |
| **ID** | Welcome Activity |
| **Test Input** | Display |
| **Expected Output** | Shows all the list of availability |
| **Description** | User can select which ever desired for his/her listings |
| **Screen Shorts** |  |
| **ID** | Register Activity |
| **Test Input** | First name, last name, phone number, email, password, conform password, sign up/in |
| **Expected Output** | New Account is created or can jump to login. |
| **Description** | By providing all the details he/she can register for using the application. |
| **Screen Shorts** |  |
| **ID** | Reset Password Activity |
| **Test Input** | Email id |
| **Expected Output** | OTP to registered email |
| **Description** | If the user forgets the password he/she can send an OTP to email/phone and change the password. |
| **Screen Shorts** |  |