

TEST SPECIFICATION

By Group 8

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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.

2.1 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.

Name ▼	Play Store	Size	Resolution	Density
Resizable		6.0"	1080x23...	420dpi
Pixel XL		5.5"	1440x25...	560dpi
Pixel 5		6.0"	1080x23...	440dpi
Pixel 4a		5.8"	1080x23...	440dpi
Pixel 4 XL		6.3"	1440x30...	560dpi
Pixel 4	▶	5.7"	1080x22...	440dpi
Pixel 3a XL		6.0"	1080x21...	400dpi
Pixel 3a	▶	5.6"	1080x22...	440dpi
Pixel 3 XL		6.3"	1440x29...	560dpi
Pixel 3	▶	5.46"	1080x21...	440dpi

Figure 2.3.1

Name ▼	Play Store	Size	Resolution	Density
Pixel 2	▶	5.0"	1080x19...	420dpi
Pixel	▶	5.0"	1080x19...	420dpi
Nexus 5		4.0"	480x800	hdpi
Nexus One		3.7"	480x800	hdpi
Nexus 6P		5.7"	1440x25...	560dpi
Nexus 6		5.96"	1440x25...	560dpi
Nexus 5X	▶	5.2"	1080x19...	420dpi
Nexus 5	▶	4.95"	1080x19...	xxhdpi
Nexus 4		4.7"	768x1280	xhdpi
Galaxy Nexus		4.65"	720x1280	xhdpi

Figure 2.3.2

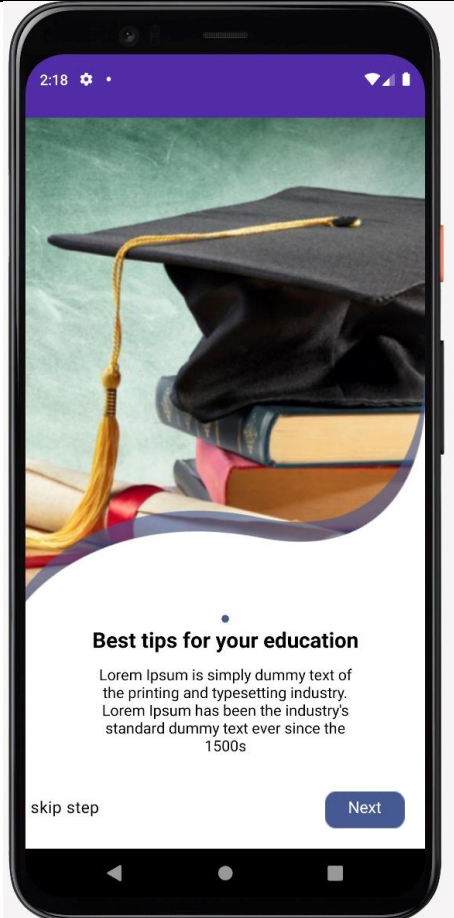
Tools: Android Studio Dolphin 11.0.13+0-b1751.21-8125866 amd64 Emulators.

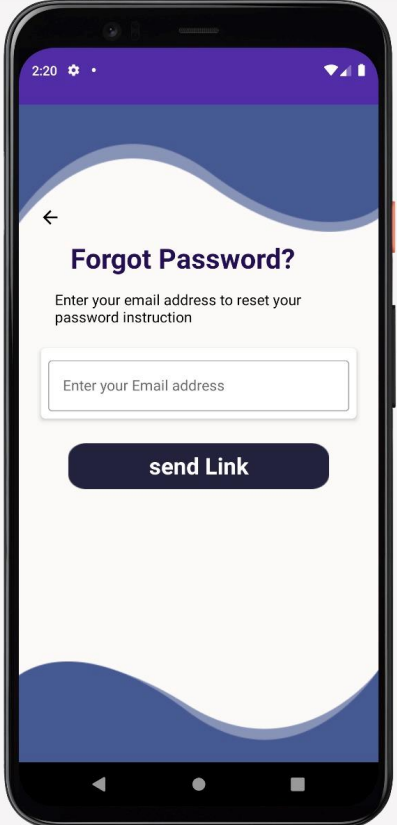
2.4 Test schedule

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	Connecting back with the team about the source codes requirements and fixing bugs with the Developer and resources. About the Fragments.
	7pm to 8pm	Referring: Concepts related to the UI Design and key futures.
10/27/2022	4pm to 5pm	Working with the team to test the following elements Welcome Activity, Register Activity, Reset password Activity
	6pm to 8pm	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.

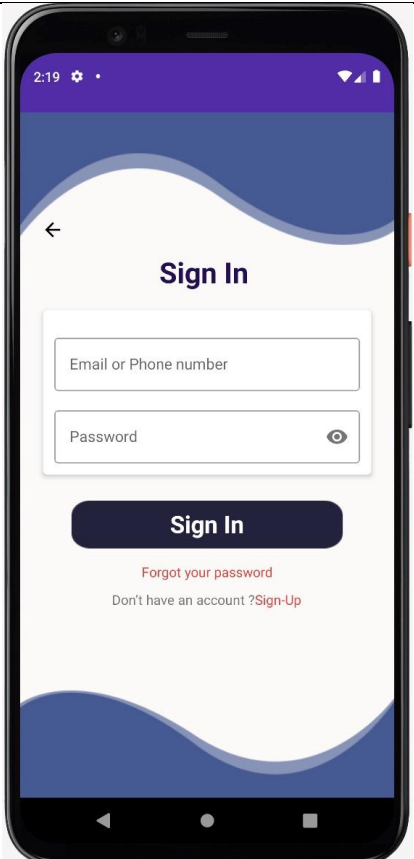
3.0 Test Cases

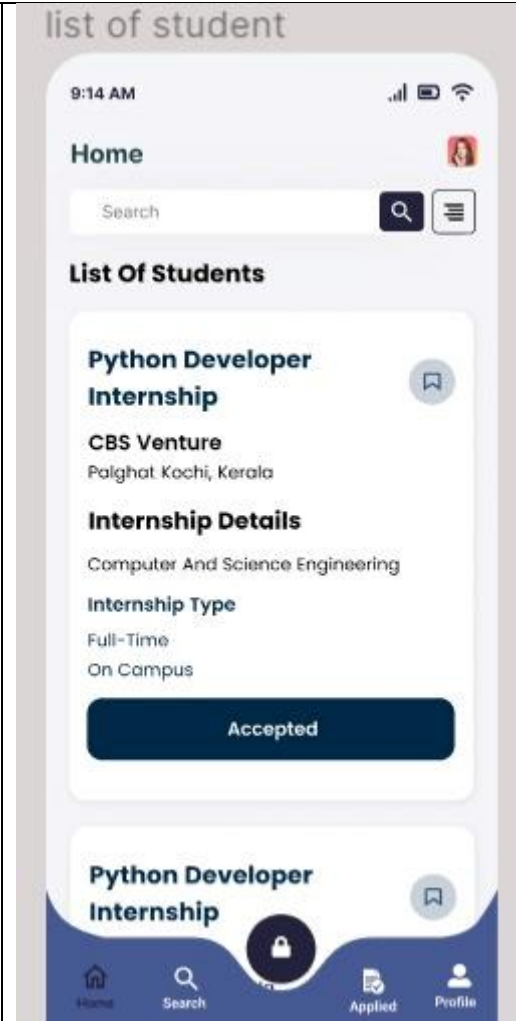
List of test cases for the software Input and output.

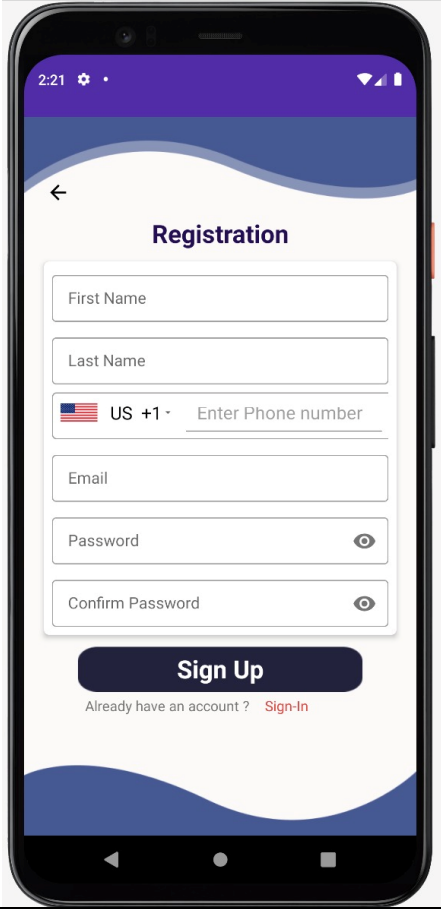
ID	Home Activity
Test Input	Display
Expected Output	Displaying the slider view
Description	It shows us description of the app and also provides best tips for education, like walkthrough guide for the application.
Screen Shorts	
ID	Forgot password
Test Input	Click on forgot password in sign in menu
Expected 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

