



National University of Sciences and Technology (NUST)
School of Electrical Engineering and Computer Science

Department of Computing

EC-303: Mobile Application Development

Class: BESE 8AB + BSCS 7ABC

Lab 03: Designing UI : Widgets, Layout, Forms, Views, Images

Date: 23 Feb 2021

Time: 10:00 AM - 12:50 AM

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Lab Engineer: Mr. Aftab Farooq



Lab 3: Designing UI : Widgets, Layout, Forms, Views, Images

Objectives

The objective of this lab is helping students to familiarize themselves with the Designing UI which includes widgets, Layout, Forms, Views, Images etc.

Tools/Software Requirement

Flutter, Android Studio, XCode, Any Editor

Helping Material:

- Flutter official Documentation
- <https://www.solutelabs.com/blog/flutter-tutorial-for-beginners-step-by-step-guide>.
- Stack overflow

Helping Link for Icons & Logo:

- <https://icons8.com/icons/set/mobile-app>

Lab Tasks

- 1).create a simple splash screen and add any logo on splash screen.





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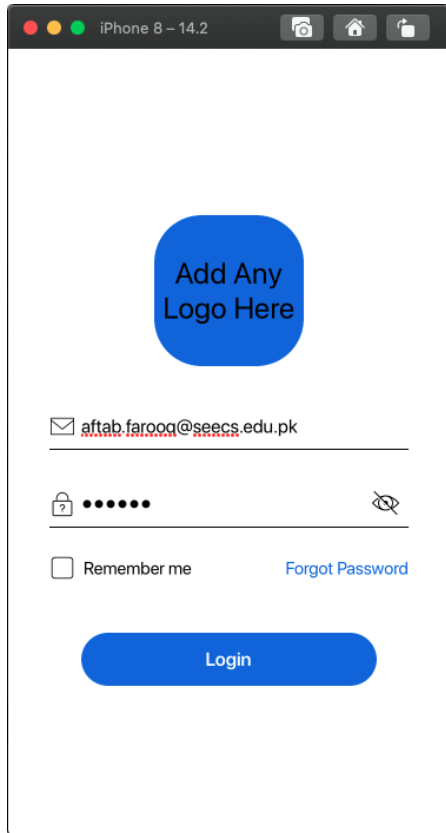
2). After splash screen create a Login screen as shown given below. You need to add Logo , Text Fields , icons, Labels , Place holders and buttons.

A mockup of a login screen for an iPhone 8 (14.2). The screen has a white background. At the top, there's a status bar with three colored dots (red, yellow, green) and the text "iPhone 8 - 14.2". Below the status bar, there are three icons: a camera, a home button, and a dock. The main content area features a large blue rounded rectangle with the text "Add Any Logo Here". Below this, there are two text input fields. The first is labeled "Email" with an envelope icon. The second is labeled "Password" with a lock icon and a toggle icon (an eye with a slash). Below the password field, there is a checkbox labeled "Remember me" and a link labeled "Forgot Password". At the bottom, there is a blue rounded button labeled "Login".

3). Password Text Field should be secure Text Entry like shown below it's means that whenever user enter his/her password it's not visible to others.



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The image shows a mobile application login screen. At the top, there is a status bar for an iPhone 8 - 14.2. Below the status bar, there is a blue rounded rectangle with the text "Add Any Logo Here". Underneath the logo area, there is a text input field containing the email address "aftab.farooq@seecs.edu.pk". Below the email field, there is a password input field with a lock icon on the left and an eye icon on the right. Below the password field, there is a checkbox labeled "Remember me" and a link labeled "Forgot Password". At the bottom, there is a blue rounded rectangle with the text "Login".

4). When user click on eye button password should be visible to user and when click again on eye button password is hide so you need to hide/unhide password by clicking on eye button.



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Add Any
Logo Here

aftab.farooq@seecs.edu.pk

123456

☐ Remember me

[Forgot Password](#)

Login

5). You need to add check/uncheck box for a Remember me functionality. When user click on Remember me icon then check box is checked and when click again it's un check. (like shown below)

Add Any
Logo Here

aftab.farooq@seecs.edu.pk

123456

☒ Remember me

[Forgot Password](#)

Login

6). After filling the Login fields when user click on Login button show a Alert Dialog and show a text in Dialog box that : “Your name is xyz (get user name text field value) and your password is abc (get password text field value)”. (Hint : concatenate user name and password and then show in a Alert Dialog.



Solution

Task Code:

Task Output Screenshot:

Deliverable

Compile a single word document by filling in the solution part and submit this Word file on LMS. This lab grading policy is as follows: The lab is graded between 0 to 10 marks. The submitted solution can get a maximum of 5 marks. At the end of each lab or in the next lab, there will be a viva/quiz related to the tasks. You must show the implementation of the tasks in the designing tool, along with your complete Word document to get your work graded. You must also submit this Word document on the LMS. In case of any problems with submissions on LMS, submit your Lab assignments by emailing it to Mr. Aftab Farooq: aftab.farooq@seecs.edu.pk.