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

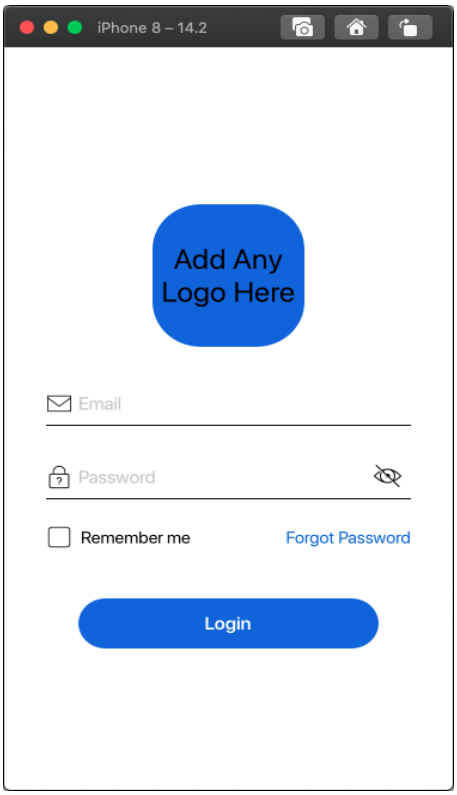
Helping Link for Icons & Logo:

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

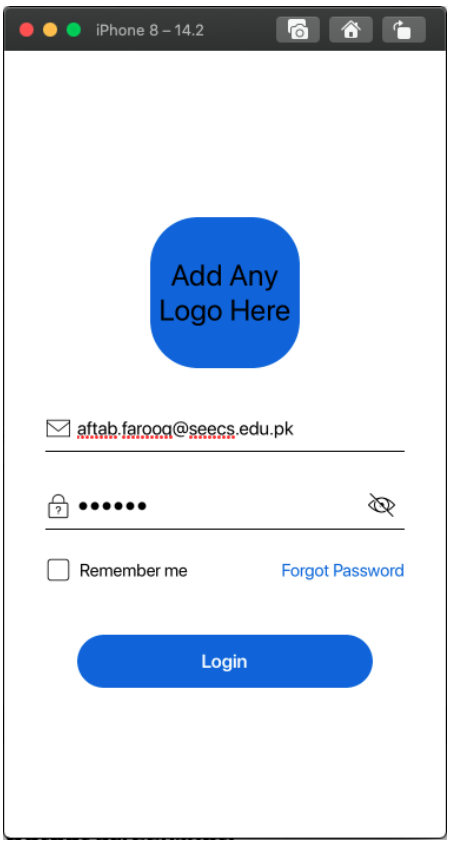
Lab Tasks

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

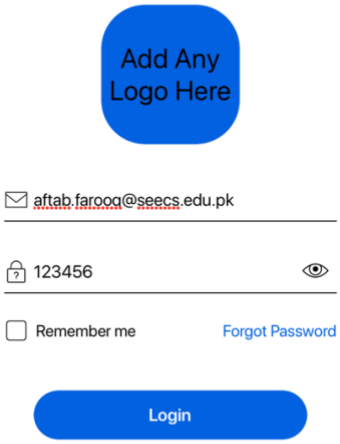
2). After splash screen create a Login screen as shown given below. You need to add Logo , Text Fields , icons, Labels , Place holders and buttons.



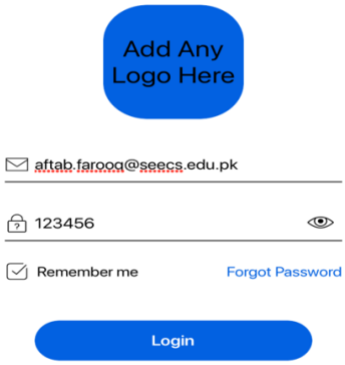
3). Password Text Field should be secure Text Entry like shown below it's means that whenever user enter his/her password it's not visible to others.



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.



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)



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 : cancatenate 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.