Charotar University of Science and Technology

Devang Patel Institute of Advance Technology and Research

CSE Department

Academic Year: 2021-22

Subject: CS377 - Mobile Application Developments (Elective)

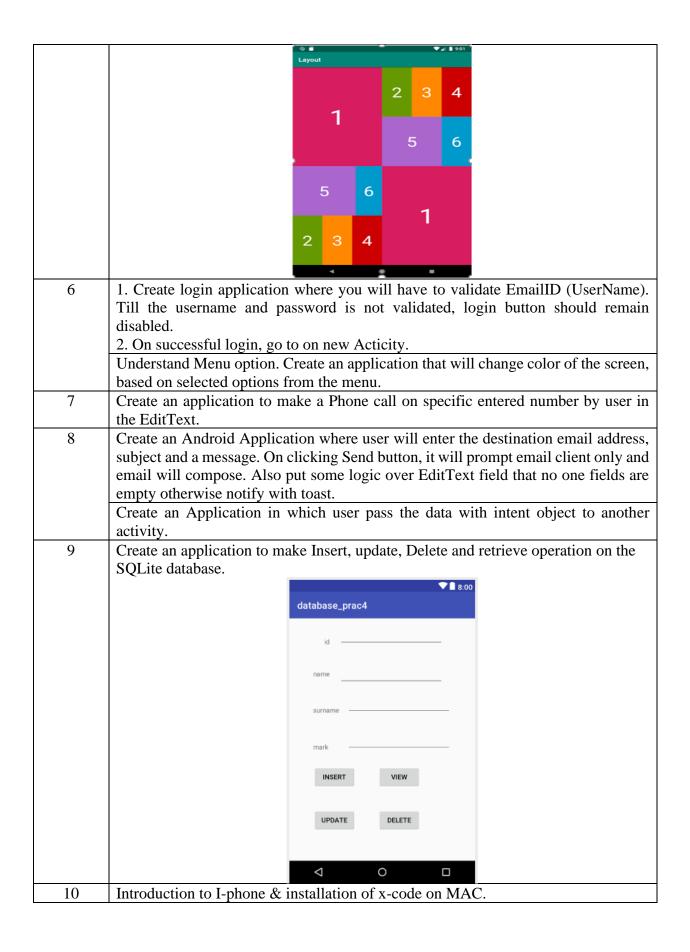
Practical file Format: - Practical no, AIM, Xml file, Java file, Output and each file which is changed

during Application creation

Header: - Top Left: Student ID Top Right: CE373 - Mobile Application Developments

Footer: - Bottom Left: DEPSTAR (CSE) Bottom Right : Page number

Practical No.	Practical
1	Installation & Configuration of Android Studio. Along with its all major Gradle, SDK, AVD etc.
	Introduction to Android and Create "Custom Message" application. That will display "Custom Message" in the middle of the screen in the Black color with the Yellow background.
2	Design an application representing a simple calculator.
	Create a login application with following features: 1. Successful Login message in TextView with Green background if Username & password is correct
	2. Failure message in TextView with Red background if Username or password is incorrect.3. Disable Login Button after three wrong login attempts.
	4. Close application if user selects Cancel Button.
	Create android application to demonstrate life cycle of activity.
3	Create simple Application which show the use of List view.
	Create simple program which show the use of Auto Complete Text View.
	Create simple Application which show the use of Radio view,take 3 radio button. When radio button is selected it will show the text of radio button using Toast.
4	Create simple Application which show the use of SeekBar.
	Create simple Application which show the use of RatingBar.
	Create simple Application which show the use of Alert Dialog.
5	Implement the given layout using Linear Layout.
	HINT: LinearLayout is a view group that aligns children in single direction,
	Horizontal or Vertical. The attribute android:orientation is used to set the direction.
	E.g.android:orientation="vertical".



11	Create I-OS application that will display "Custom Message" in the middle of the
	screen in the Black color with the Yellow background.
12	Create an I-OS application to calculate sum of two numbers and gives result in Toast
	Message.
	Design an I-OS application representing a simple calculator.
13	Create an I-OS Application to Change the Image Displayed on the Screen
14	Understanding of UI:
	Create an UI such that, one screen has list of all the types of cars. On selecting of
	any car name, next screen should show Car details like: name, launched date
	,company name, images(using gallery) if available, show different colors in which
	it is available.

Extra Practical List:

Practical	Practical
No.	
1	Create an android application to calculate sum of two numbers and gives result in
	Toast Message.
2	Create a temperature converter Application. (Fahrenheit-Celsius)
3	Create an application to check your button behavior. Changed the background of
	screen when button is clicked. Assume 3 button on screen such as RED, GREEN &
	BLUE. According to the text written on button, the background color will change.
4	Create a Checkbox application. Over the click of Check Box, it will display text of
	checkbox whichever is selected using Toast.
5	Create simple Application which show the use of TimePicker Dialog.
	Create simple Application which show the use of DatePicker Dialog.
	Create simple Application which show the use of ImageView.
6	Create application in which take two buttons start and stop service. When you press
	start button one service should be started and when you press stop then service
	should be destroyed.
7	Implement Practical -3 (from main Practical) using Constraint & Table Layout.
8	Create an application to demonstrate the web view.
9	Create an application that will pass some number to the next screen, and on the next
	screen that number of items should be display in the list.

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