Bahria University, Lahore Campus
Department of Computer Sciences
Lab Journal 01

(Fall 2017)

Course:	Mobile Application Development Lab	Date: 22 -09-17
Course Code:	CSL-341	Max Marks: 40
Faculty's Name:	Muhammad Habib	Lab Engineer: A-Mannan

Name: _____ Enroll No: _____

Objective(s) :

- The objective of this lab session is to install the components for Android Development.
- By the end of this lab students will be able:
- To Configure Android studio
- Create a basic project
- Implement thread and splash screen
- Create Android Virtual Devices (AVDs) and Launch Your First Application

Tools required:

- Android Studio

Lab Tasks :

Task 1: Configure GitHub

Task 2: Create a Project

Task 3: Hello World

Task 4: Make Splash Screen

Bonus Task: How can we protect our app from memory hack and use solution to protect a variable int

Lab Grading Sheet :

Task	Max Marks	Obtained Marks	Comments(if any)
1.	10		
2.	10		
3.	10		
4.	10		
Total	40		Signature

Note : Attempt all tasks and get them checked by your Lab. Instructor

Steps

Sample Code Uploaded at following URL
https://github.com/msmannan00/Sample-Project

- Create a project by going to file new project
- Change app name from android manifest
- Create activity name splash screen and make it launcher activity
- Rename previous activity to homepage
- Create a welcome message in splash activity
- Create welcome message in homepage activity
- Use helper method to start home activity after 1 second from splash activity

Viva Questions to be asked

- Where are java classes present **show in your project**
- Where are activity classes present what are they **show in your project**
- What is manifest where is it located
- What is intent and why have we used it
- What is thread and why we use it
- What are static classes
- Why have we used helper method in out project
- **Bonus Tasks Compulsory For Every Student**

%