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

(Fall 2017)

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| 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 |  |
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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 :

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| --- | --- | --- | --- |
| 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**

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