**Assignment 3 – Part 2**

This is a simple hello world example. In this assignment, we want to:

1. learn how to use Android studio to write a simple Android application.
2. explore the lifecycle of an activity.

You will use the app you started in Part 1. Comment out any code causing errors from Part 1. Add some log information using Log.d() in each of the 6 callback functions of the main activity in the above simple application. Explore when these methods will be called by performing different actions such as starting the app, closing the app, starting another app, pressing the back button, bringing the app from the background, rotating the screen, etc. Document your findings in the table below.

The number you insert below indicates the order of triggered events.

**Student Name**: William Bratz

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | onCreate | onStart | onResume | onPause | onStop | onDestroy | onRestart |
| starting the app | 1 | 2 | 3 |  |  |  |  |
| close the app |  |  |  | 1 | 2 | 3 |  |
| starting another app |  | 4 if app is opened back up | 5 if app is opened back up | 1 | 2 |  | 3 if app is opened back up |
| pressing the back button |  |  |  | 1 | 2 | 3 |  |
| bring the app from the background |  | 2 | 3 |  |  |  | 1 |
| rotate the screen | 4 | 5 | 6 | 1 | 2 | 3 |  |