Software Development for Mobile Devices

# Submission for Assignment A3.1P

## Task 2: Lifecycle events

### When app starts in foreground

|  |  |
| --- | --- |
| Console log | Screen log |
| ../../../../../../../Desktop/Screen%20Shot%202018-08-09%20at% |  |
|  | The application is on background mode, so users cannot see the log on the screen |
| ../../../../../../../Desktop/Screen%20Shot%202018-08-09%20at% | ../../../../../../../Desktop/Screenshot_153379 |
| ../../../../../../../Desktop/Screen%20Shot%202018-08-09%20at% |  |

### The application enters background mode

|  |  |
| --- | --- |
| Console log | Screen log |
|  | The application is on background mode, so users cannot see the log on the screen |

### Reopen the application

|  |  |
| --- | --- |
| Console log | Screen log |
| ../../../../../../../Desktop/Screen%20Shot%202018-08-09%20at% | ../../../../../../../Desktop/Screenshot_153379 |

### Change app orientation

|  |  |
| --- | --- |
| Console log | Screen log |
| ../../../../../../../Desktop/Screen%20Shot%202018-08-09%20at% |  |

### Why some life cycle states are shown only in the Log, but not on screen?

The life cycle states are not displayed on screen because of two cases:

1. The first case is when the app is in background mode. Therefore, we are not able to see the screen at this time though the application invokes onPause() and onStop().
2. The second case is when onDestroy() is triggered. After calling onDestroy(), the activity need to initialize the UI again. So, onCreate() is called to setup the UI of the application, thereby it is not able to see the log of onDestroy() on the screen.