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|  | Concept Assignment 8 Submission  PLTW CS Computer Science A Core Training Gabriel Pass |

# Mobile OS

### Submission 1

1. Document your cheat sheet information in the table.

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| onPause | An activity is paused when it ‘loses focus’ - the activity is still running but not interacting with the user.  Any changes made by the user should be committed at this point. |
| onResume | Called when the activity will start interacting with the user.  Always followed by onPause |
| onStart | Initiated by navigation to a fragment or activity.  Called after onCreate or after onRestart. |
| onStop | Closes in activity when it is no longer visible to the user. |
| onCreate | Initializes an activity |
| onDestroy | Stops any background threads or processes of an activity and releases its resources back to the system. |

### Submission 2

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| 1. How are Fragments different from Activities? |
| Fragments allow us to create only part of a UI in a small reusable instance.  Fragments are always attached to an Activity, but are modular so they can be reconfigured within the Activity. They improve the efficiency of displaying different activieies through reuse of code when the same fragment is needed. They also accommodate every change that is required in a UI more easily. From changing screen orientation, to accomodating different device sizes, to changes a UI may need to perform as it is interacted with, fragments make it possible to adjust elements of an Activity UI without having to create a completely new one for every condition. |

### Submission 3

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| 1. Draw a UML of all the user-created classes used in the List Detail View Activity. Label the classes as Model / View / Controller. |
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