**HW3 – State Management**

**The various states that an app can enter on your platform of choice:**

For activities in android apps state is changed using 6 core callbacks, onCreate(), onStart(), onResume(), onPause(), onStop() and onDestroy(). These callbacks correspond to the different states an activity can be in, created, started, resumed, paused, stopped and destroyed.

**The various states that you must consider for your app, why you must consider it, and what must happen in each state:**

The states we need to consider for out Nyoom app are:

Created: This state is the one that initially instantiates our app. We need to consider the initialization of GPS resources to locate the user, and the main UI needs to be designed.

Resumed: This state is entered into by an activity when the activity is brought to the foreground. We must consider is so that local data is recalled and so that the user can interact with the activity.

Paused: This state is entered into by an activity when the activity is moved to the background. We must consider it to release GPS resources and also to retain local data such as restaurant and bar suggestions that are retrieved from a remote database.

Since our app is relatively simple, I don’t think we need to overthink other states, for example, Stopped and Destroy as we don’t need to manage resources related to databases, for example.