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Course: Android Application Development II

Date: March 06, 2019

Class Summary

Broadcast Intents are Intents which are capable of being received by multiple components called broadcast receivers simultaneously. At any time the Android App can send Broadcasts to other apps from the Android System when and intent occurs. This is useful for enabling communication a suite of application to provide a seamless user experience (Eg. Facebook and its Messenger application).

As more Broadcast Intents are sent throughout the System by a particular application it slows down and as a result the device may kill the application. This sternness of whether an application has passed a particular resource usage threshold varies between Manufacturers. Developers should be very considerate towards this fact and making Broadcasts. Developers should also make a note of the various conditions that apply to different versions of android. For instance:

* Android 7.0 and higher does not send the ACTION\_NEW\_PICTURE and ACTION\_NEW\_VIDEO Broadcasts.
* Android 8.0 prohibits the use of the Manifest to declare a receiver for most implicit broadcasts that specifically target the app.

To list a few

For the class exercise we were required to understand and use Broadcast. This consisted of the implementation of Broadcasts in our Login / Registration app. One to display a notification containing new tasks every ten minutes and another to retrieving the SSID and BSSID from the device.