**The bottom navigation bar**

The bottom navigation bar makes it easy to explore and switch between views. It is convenient to use in cases where there are three to five top-level navigation items of alike importance as it will be omnipresent no matter which view was selected. For the app’s bottom navigation bar there are three main navigation items that correspond to Adding a new plant, Viewing the current list of plants and Modifying the user’s account settings. The smooth transition between views where the bottom navigation bar stays in place is done using fragments and each view has its own layout resource file and fragment class. The initial (default) fragment that is loaded is View list of plants.

In the onCreate() method in the main activity the BottomNavigationView object was defined as well as the listener for detecting the navigation item selection.

![A screenshot of a social media post

Description automatically generated]()

Figure onCreate() method in Main Activity

The loadFragment() method deals with switching between fragments and it is called inside the onCreate() method to load the default fragment on start, as seen in the screenshot below.

![A screenshot of a social media post

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Figure Navigation item selected listener and loadFragment method

Each fragment class for the three main views extends the Fragment class and inflates the respective layout for each fragment.![A screenshot of a social media post

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Figure The Add Plant fragment class