**<APP NAME> Design Doc**

As per the application requirement, there are two ways of handling it.

1. Android Split Screen (Not suggestable because of limitations)

2. Handling with Fragments with States.

1. **Android Split Screen (Not suggestable because of limitations):**

* Android 7.0 Nougat will allow two apps to be active at the same time in split-screen. However. there are a few limitations to the split-screen mode, the biggest of which is the fact that no two apps can be used simultaneously. This means only one app during multi-window operations will be active at a time while the other app is paused.
* User can also turn off split mode, developer doesn’t have control over it.

1. **Handling with Fragments with States:**
   * Main screen will be partitioned into 2 parts, one with 75% and another with 25% naming as ZoneA and ZoneB.
   * ZoneA and ZoneB are declared as Framelayouts(nothing but placeholders) in Main screen, which can be filled with any content.
   * List of the applications like Radio, Users, Phone, Bluetooth, etc will be in one Fragment and this fragment placed as default page in ZoneA.
   * Clicking on the apps listed will launch as Fragments in the same section (ZoneA) by replacing the apps list fragment.
   * If user wants to go back to the applications list, back button will be provided to navigate to the previous screen.
   * To keep track of the screens the user traversing from apps list fragment, a list of fragments will be maintained with states. For ex – User navigated from Apps list fragment to User Listing page and then to User Creation page. State List will maintain the flow to navigate back to the same order.