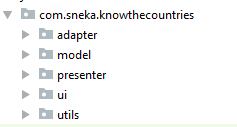
**Architecture:**

The architecture used for development is MVP model.



The decision to implement the MVP model was based for the following reasons:

1. Clear separation of responsibilities between components. This separation allows for an easier understanding and maintenance of the code base.
2. Modularity. Modularity allows you to e.g. switch to a different implementation of view component in order to completely change application's UI, while all other components remain intact.

**Design decisions taken:**

* Using a recycler view over a ListView in the Country listing screen
* Having search option in the menu so that the search could be performed in the country listing screen
* **Androidx** libraries were used for various widgets
* ReactiveX/RxAndroid for API calls using Retrofit
* Picasso library for loading images into ImageView
* The details screen will display the message “Loading..” if there are any lags in the network connection.
* The default image will be shown if there are no relevant image for the flag

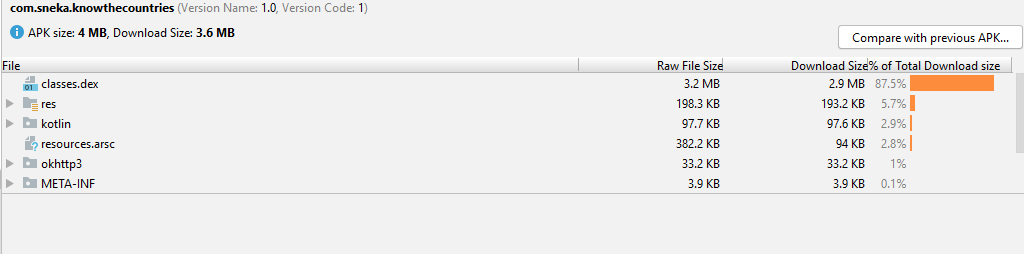
**Future Improvements:**

1. Have a filter functionality where the user will be able to filter the countries by region
2. Sharing feature in the country details page where the user could share the details to the contacts through gmail, whatsapp

**Known issues:**

The drawable images are sourced from the internet and hence other formats corresponding to hdpi, mdpi are not available.

**APK Analysis:**



**Testing on browser stack**

