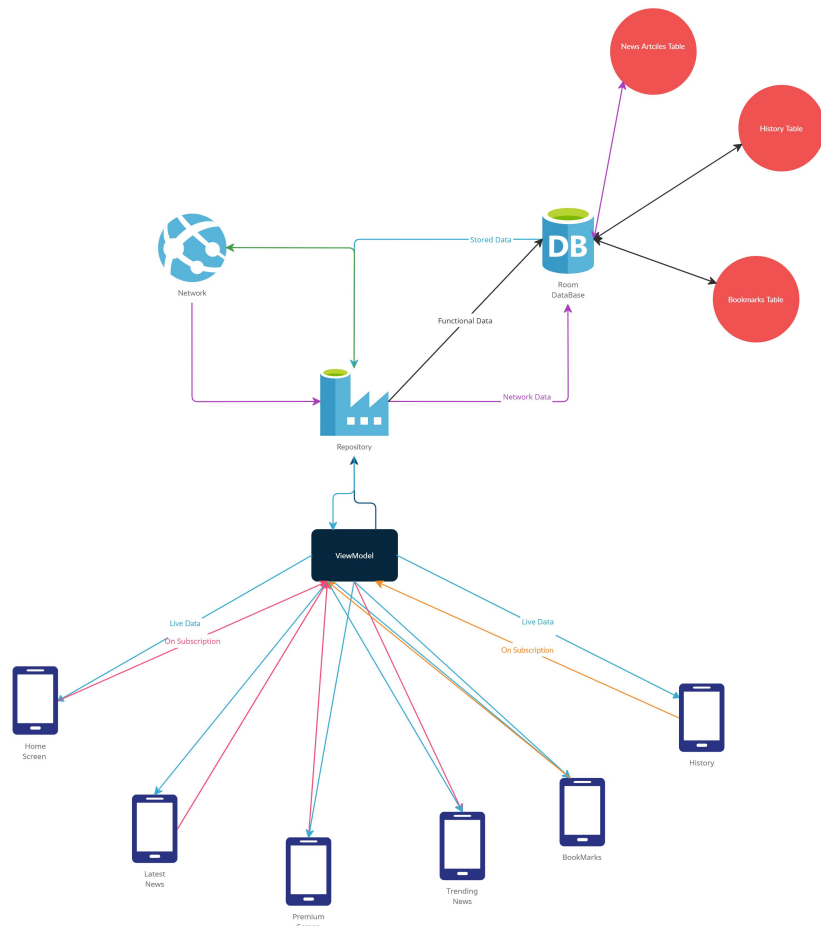









# System Design For Mint Application Clone.



-  Indicates the network request made from the repository through retrofit library.
-  Indicates the flow of data from the database to the observers.
-  Indicates the flow of commands from the views to the view model upon subscription.
-  Indicates the flow of commands from the view model to the repository.
-  Indicates the flow of data from the network to the local database and vice-versa through the Room persistence library, from the repository.
-  Indicates the flow of data from the repository to the local database and vice-versa through the Room persistence library, from the repository.
-  Indicates a view which is subscribed to the view model.

The Mint is a popular business news application, that is well known around the world. As a part of the Masai School construct week, I was given an opportunity to replicate the application.

The main feature of the application is to fetch the data from the server and store it into the local Database. Along with saving the data on click's in terms of history and bookmarks respectively, and allowing the user to access them on another screen. The design is based in such a way that the features and the flow of data are handled in an efficient manner. Here the local database serves as the soul of the application, such that data is cached and runs in offline mode too, and thereby supporting the application features, allowing smooth functionality.

### Main Features Include :

- 1) Display of News Feed.
- 2) Bookmarking news articles and storing history.
- 3) Sharing the news articles implicitly.
- 4) Handling data to support offline mode.
- 5) Handling configuration changes.

All these features are handled efficiently with the help of MVVM Architecture and proper flow of data as shown above.