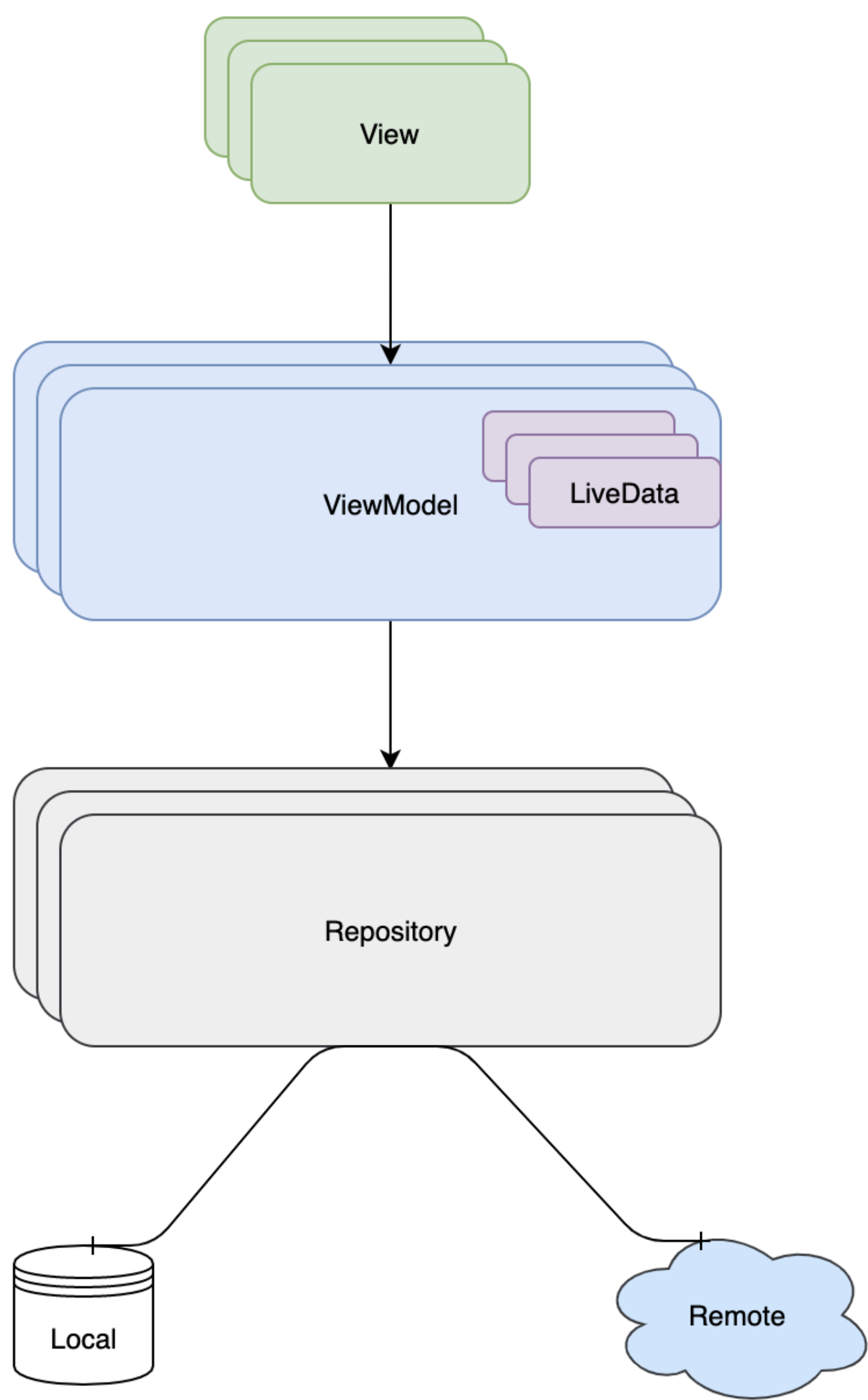


Dear axel-springer Team,

Hope you are doing well!

I have submitted this assignment with all possibilities to showcase my skills to some other place though I couldn't implement everything in my mind.

The application basically showcase MVVM + LiveData architecture but this will also adopt use cases very easily, I haven't created them in the app for now. Along with above it make use of Coroutines, Extension functions, Lamda functions etc, basically I tried to show everything I know somehow. For D.I. I have integrated Hilt (Dagger) . Here is the simple diagram of the app:



Local DB(Room/Firstore) has not been used but can be adobpted easily.

For the application to show map view and current user location, please enable Location from device settings and allow location permissions. Here are few use cases:

1. User opens app first time → Shows list view with vehicles (This list is taking time to load since I have performed co-ordinates to address translation in view model, I had some other approach in my mind to create Glide like framework but due to short time couldn't do that, plesae bear with me)
2. User select any vehicle → It will be shown on map with zoom

3. User selectes Locate option from bottom navigation bar - App will ask for location permission

3.a If permission not given → after a dialog MAP will show Hamburg bound vehicle data

3.b if permissions given and location enabled then → current location would be loaded and for the current bound vehicle data will be shown

In no internet scenarios there will be sticky text view in centre of screen. I have checked the application for some basic crashes. There might be some bugs like user location on first time etc.

Test cases are written for

1. Both viewModels
2. VehicleFragment list view to Map fragment click automation.

I have taken certain code from google samples like in case of Hilt Testing framework and some utility classes for live data but I have modified them for my current need.