

StreamAMG Android App

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A demo app presenting architecture based on MVVM, including Dependency Injection implementation and Unit Testing code.

Features

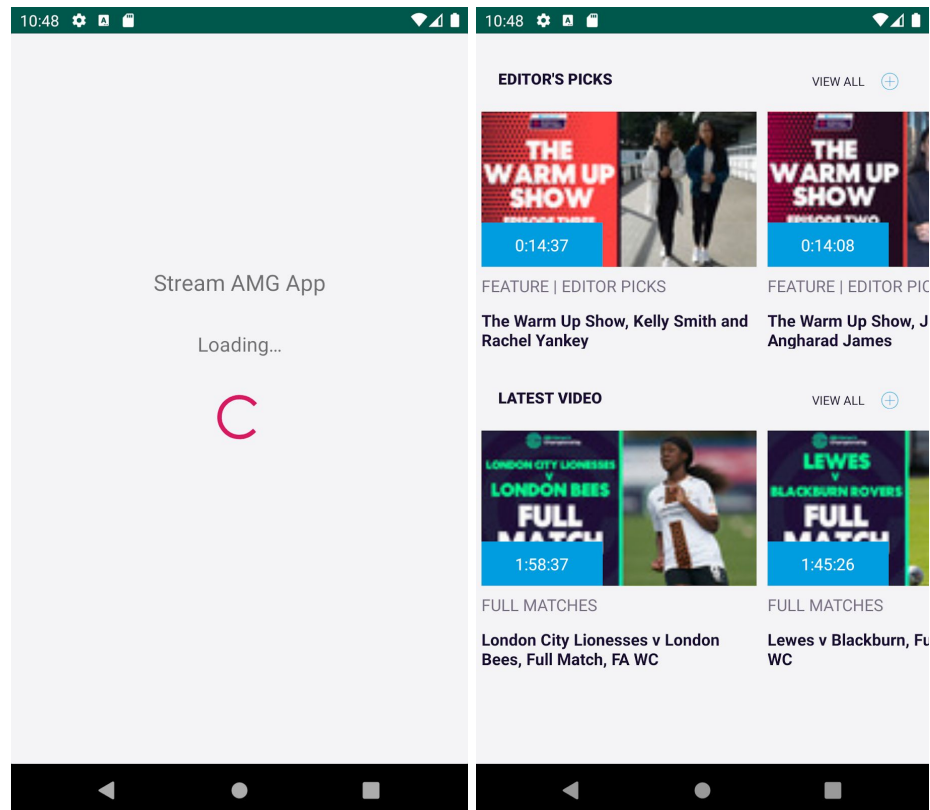
1. Main feed view.
2. Loading/ Error/ Success states handling.
3. Multi-scrollable (vertically and horizontally) list view (recycler view) based on two custom adapters.
4. Unit Testing

Architecture

1. Architecture of the app has been based on the MVVM design pattern.
2. The view consists of Activity (View layer) and its appropriate ViewModel.
3. Model layer (data) has been created using GSON library, that allows us to receive data through models from the backend.
4. Network layer has been implemented as the APIClient class that communicates with the back-end and has been implemented using Retrofit and OkHttp libraries.
5. To make the app maintainable and testable I have decided to use Dagger2 library, providing one-way direction of injecting dependencies. In this situation we can be sure that Activity contains ViewModel, but ViewModel doesn't know about Activity. Similarly ViewModel contains ApiClient. All of these dependencies are injected dynamically.

6. Testing part of the app consists of Unit Testing. Unit Tests have been written using JUnit and Mockito libraries.

Screenshots



Please do not hesitate to ask in case of any further questions. I will be happy to clarify each uncertainty.

I hope you like my app.