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VK Flow

Description

VK Flow is a simple fast client for the largest European social network - VK (www.vk.com). It allows you to follow some news from a life of your friends, watch post's likes and read comments.

Intended User

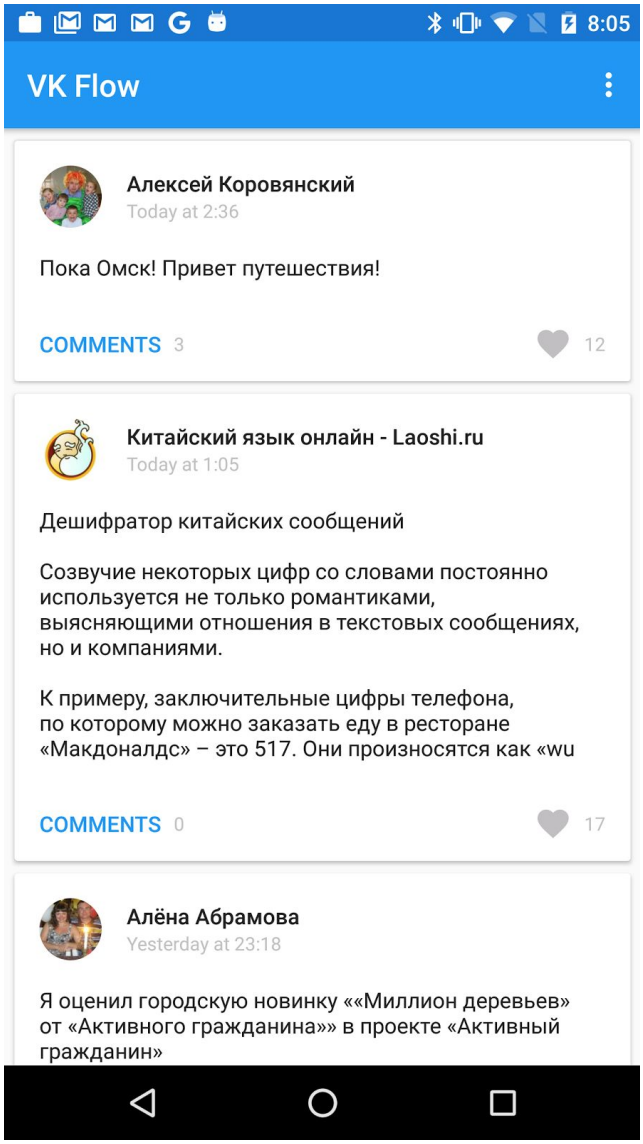
A user of this social network who is interested in following the news of his friends.

Features

- See the news flow
- Watch post's likes
- Read comments

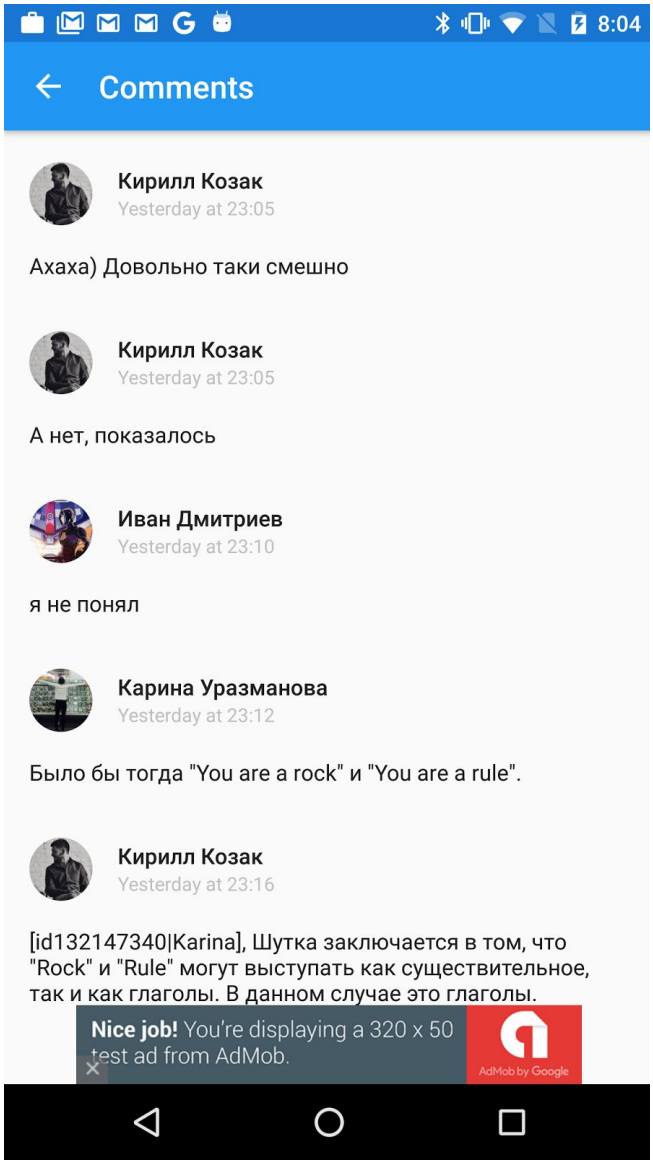
User Interface Mocks

Screen 1. Main activity



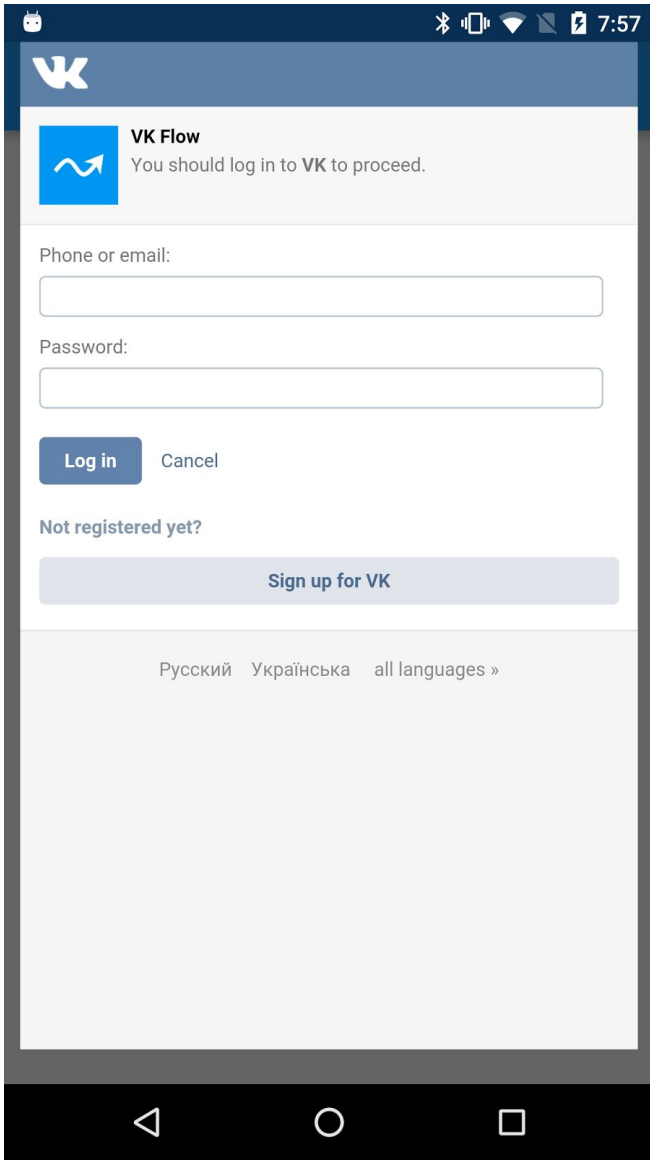
It’s main activity where you can see a list of news card of your friends after VK authorization.

Screen 2. Comments activity



It's comments activity where you can see some comments of another users for chosen post. Here an user will be seeing some AdMob ads in the bottom of the screen.

Screen 3. Login activity



It's a simple webview window, where you can login to VK.com for an API access.

Key Considerations

How will your app handle data persistence?

I will build my own content provider for storing data and inflate it from API using Intent service.

Describe any corner cases in the UX.

- You have to register and login in VK, subscribe to some friends or communities for viewing any news and comments from them.
- User can click on any piece of news that displaying comments window where he can read some comments
- User can watch post's likes from news list.
- If there's no internet, news and comments will be fetching from DB using content providers.

Describe any libraries you'll be using and share your reasoning for including them.

- **VK Android SDK** for using API of VK.com for reading news, comments and watching post's likes.
- **ProviGen** for creating content provider.
- **Picasso** for handling the loading and caching of images.
- **Google Support Library (AppCompat, Design, CardView, RecyclerView)** for using Material Design UI components, font styles etc.
- **Google Play Services library** for integrating AdMob for showing some ads and Google Analytics for tracking user activity.

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and decompose them into tangible technical tasks that you can complete incrementally until you have a finished app.

Task 1: Project Setup

- Add library dependencies to build.gradle file.

Task 2: Implement UI for Each Activity and Fragment

- Build UI for LoginActivity for VK authorization.
- Build UI for empty screens (no news, no internet connection etc.)
- Build UI for a news card row and realize some list adapter for displaying this news card list.
- Build UI for a comment row and realize some list adapter for displaying this comment ist.
- Build UI for MainActivity with news card list using created adapter.
- Build UI for CommentsActivity with comment row list using created adapter.
- Build UI for a widget who will be displaying last 5-10 news

- Build layouts for using created UI forms for tablets

Task 3: Implement Google Play Services

- Set up Google Analytics and creating some methods for sending user events.
- Set up Google AdMob ads. We will be using one interstitial ad after we will be returning to MainActivity from CommentsActivity. We will also be using some banner on CommentsActivity in the bottom of the screen.

Task 4: Creating content provider, models and api calls helper methods

- Creating data models
- Creating Content Provider (db provider and contracts) using ProviGen
- Using VK SDK for some api calls.

Task 5: Handle Error Cases

Handle some errors like no internet connection, no data etc and correct displaying this information for users.