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InstaNews

Description

InstaNews is smart news app is designed in a very clever way so that you can quickly read all the latest headlines from around the world giving the user the option to filter all news by categories and language as well, the app retrieves the news feeds from News API. Also user has a handy widget to show the feeds on the fly.

Intended User

The Intended user for InstaNews is everyone who interested to be update to the most important and featured news from all over the world and share the news with friends.

Features

- News headline from different resources.
- Filter news by category and language.
- Share News.
- Widget for the latest news.

User Interface Mocks

Home Screen



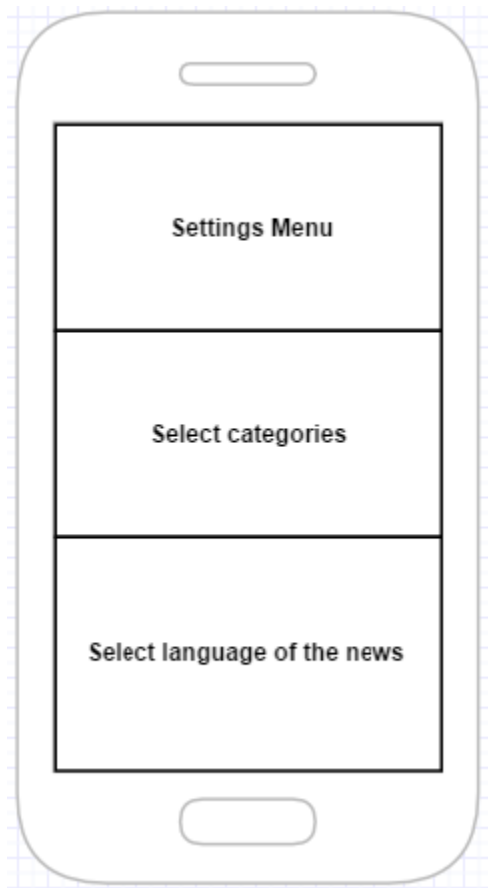
When user opens the app for the first time, app shows news resources from general category until user can narrow down the filter.

Detail Screen



When user clicks on specific resource user will be moved to detail screen to show the latest headline by this specific resource

Settings Screen



This screen to allow user to filter the resources that appears in home page by category and also retrieve the results with different languages.

Widget Screen



This screen will show the most updated news through the widget that will be on the home screen in form of a collation list, so user can update himself on the fly.

Key Considerations

How will your app handle data persistence?

The App will use content provider to save the .

As this app is search app I will cache the images locally using third part libraries for the frequent search items

Describe any corner cases in the UX.

User can switch view modes of the images and groups from the action tool bar.

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

1. Picasso to handle the loading and caching of images
2. RxJava & RxAndroid for background threads tasks
3. OkHttp for network calls
4. Firebase job dispatcher for period tasks
5. Firebase crash reports
6. Firebase Analytics

Describe how you will implement Google Play Services.

Application will be using firebase job dispatcher ,firebase crash analytics and firebase analytics which are dependent on Google play services.

Required Tasks

Task 1: Project Setup

- Explore News API documentation and start to understand the request and respond parameters.
- Configure libraries

Task 2: Implement UI for Each Activity and Fragment

- Build UI for Main Activity
- Build UI for Home Fragment
- Build UI for Detail Fragment
- Build UI for Settings Fragment

Task 3: Technical Functionality

- Retrieve response from API
- Implement content provider
- Make firebase job dispatcher for periodic update
- Handle Error cases