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World news

Description

World news is a global news application with java. Using the api from newsapi.org

- With the application there is news from 53 different countries in 7 categories.

- Search for articles in 13 language.

- Save articles for later read.

- With widget you can get the selected country news without opening the application.

Intended User
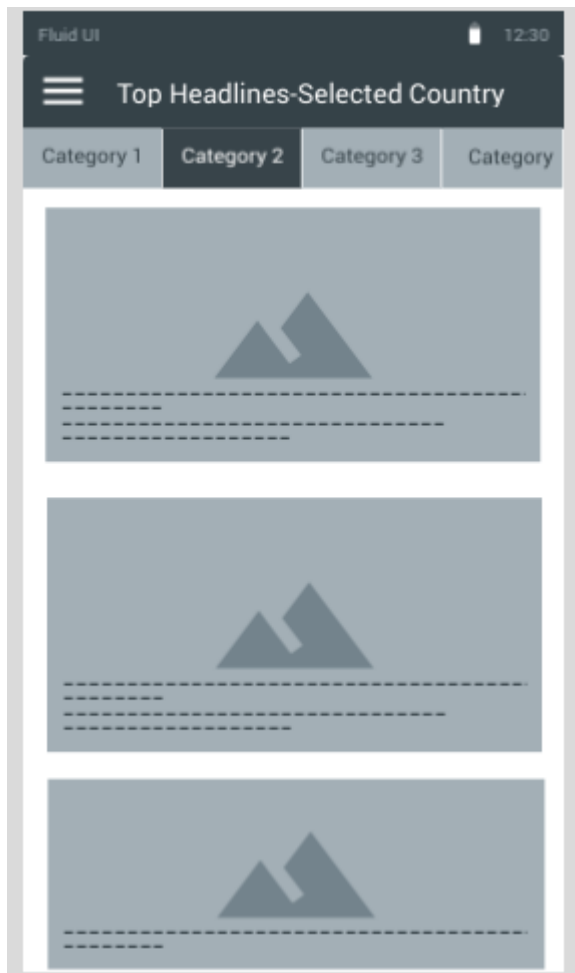
Every user who wants to get the latest news in this list here https://newsapi.org/sources

Features

- Top headlines from a country 53 optional country 7 different category

- Search in articles in 13 different language

- Save for later read

● A widget that shows the selected country news.
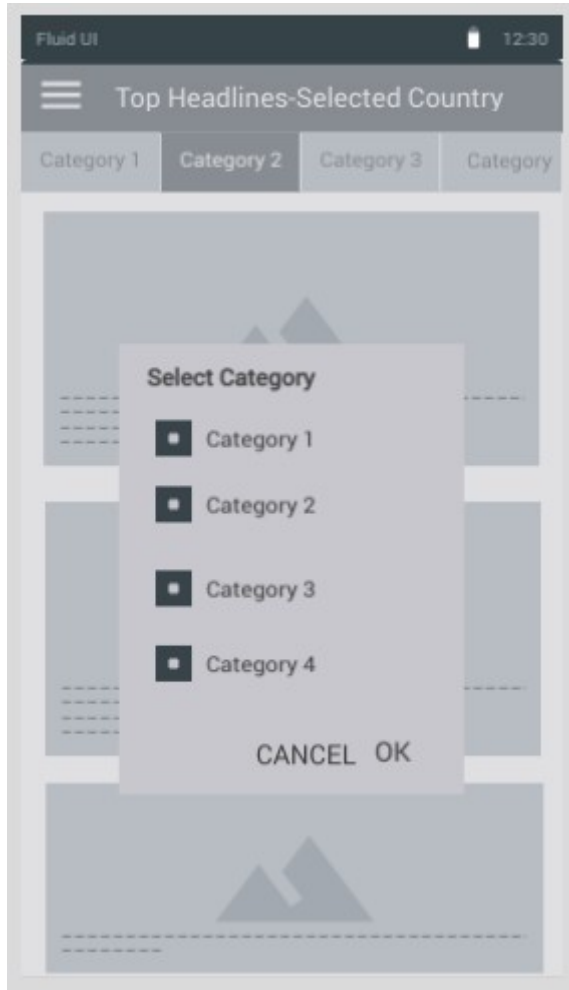
User Interface Mocks

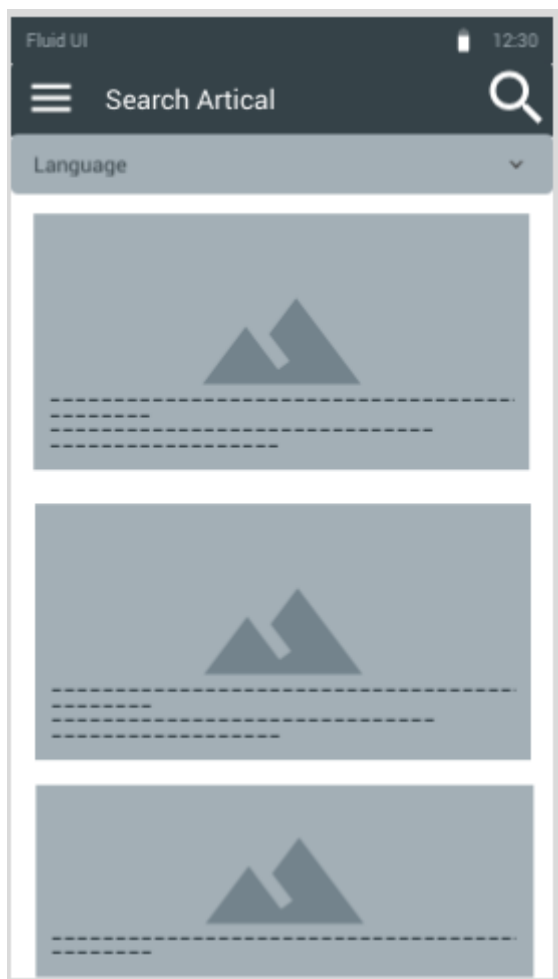Shows the top headline from a chosen country

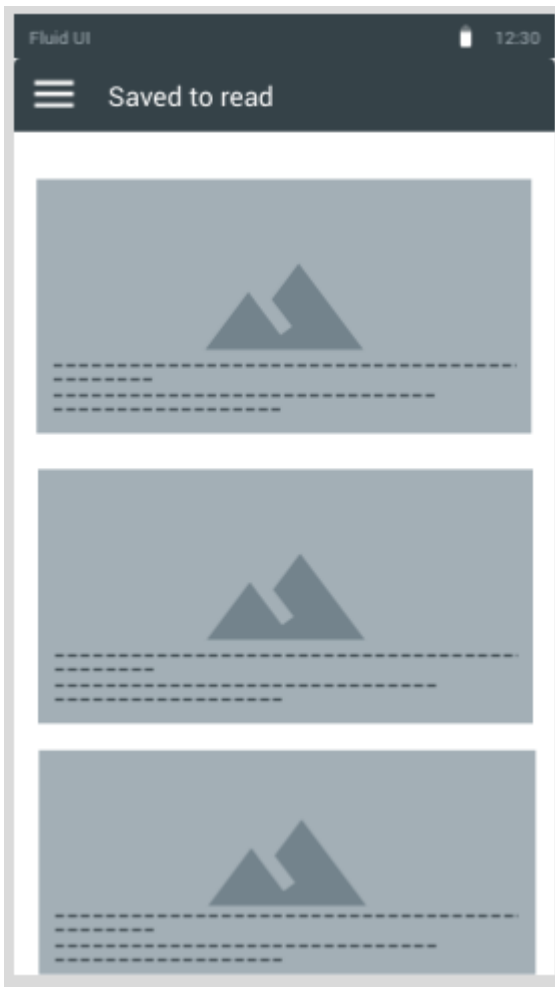navigation drawer provide different actions
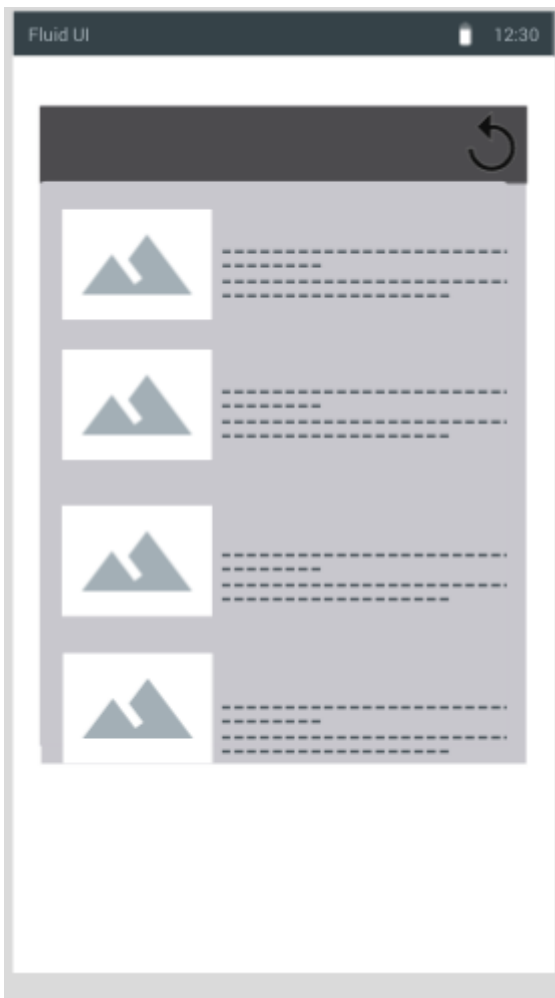

alert to select one country

alert to select one or more category

search for articles in different languages

saved articles to read it later

widget show the general top headlines to selected country. Refreshing in

every 30 minute, or with a button.

Key Considerations

How will your app handle data persistence?

The application will get its data from the API via the network, and the saved articles will get its data from the database using content provider.

Describe any edge or corner cases in the UX.

The application consists of some fragments that can be navigated using the navigation drawer.

The top headlines fragment has a ViewPager that is containing the categories. To switch between the categories the app

Without internet connection the sites are not loading and the application only shows articles

in the saved for later read view. Everywhere else will be a text or image to show the

problem.

Describe how you will implement Google Play Services or other external services.

1. "com.android.support:design:$androidSupportVersion" (for navigation drwaer).

2. "com.android.support:recyclerview-v7:$androidSupportVersion" (to use recycler view for articles).

3. "com.android.support:cardview-v7:$androidSupportVersion" (to use card view for data).

4. "com.android.support.constraint:constraint-layout:1.1.3" (to use the constraint layout in the views).

5. "com.android.support:customtabs:$androidSupportVersion" (for using chrome tabs).

6. "com.google.android.gms:play-services-ads:17.2.0" (for ads).

7. "com.google.android.gms:play-services-analytics:16.0.8" (for analytics).

8. "com.github.bumptech.glide:glide:4.6.1" (loading images).

9. "com.jakewharton:butterknife:8.8.1" (to bind views).

Describe how you will implement Google Play Services or other external services.

I will use play-services-ads to use banner and analytics to check user usage.

Next Steps: Required Tasks

Task 1: Project Setup

- Create a new project and all implementation to the gradle
- Set min&target sdk
- Set compile sdk

Task 2: Implement UI for Each Activity and Fragment

- Create the fragments for each view
    - Top headlines
    - Search
    - Save for read
- Connect the fragments to the activity

Task 3: Navigation drawer

- Add navigation drawer to the main activity
- Set the buttons to switch fragments

Task 4: Get data from network
- Get the data from the api and parse it.
- Add data to the views RecyclerView.

Task 5: Save data
- Create Content Provider to save article data for later read
- Set article card button to save article
- Set save for later read view to refresh when article is deleted

Task 6: Set widget

- Create widget layouts
- Create a service to fetch and load data from network

Task 7: Ads

- Add a Banner ad

Task 5: Iterate project

- Set default images for every image view
- Save strings in the string.xml
- Set colors in colors.xml

- Configure to Material Design

- Set RTL to switch write direction for languages that are writing in right to left.