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Jetpack Wordpress Reader

Description

Jetpack is a Wordpress plugin that simplifies managing sites by giving you API to get posts, categories, users, etc. Jetpack is a free plugin. No need to code to use jetpack API, just insert the API Key and voila, your web content is on this app.

Intended User

Users that had wordpress installed on their domain

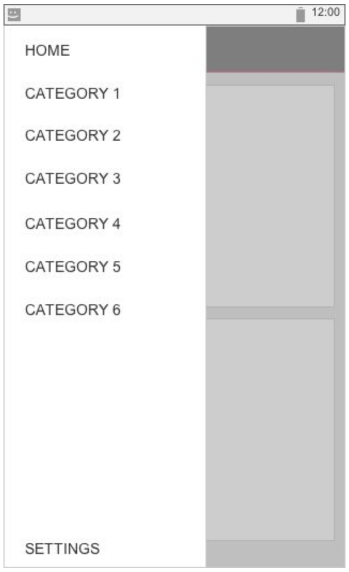
Features

- Insert API key
- View categories
- View posts
- Bookmark posts
- Offline reading

User Interface Mocks

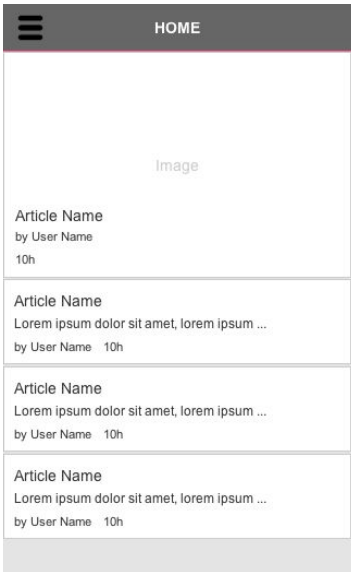
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

Screen 1



NavigationView contains all categories and home

Screen 2


HOME
Image
Article Name
by User Name
10h
Article Name
Lorem ipsum dolor sit amet, lorem ipsum ...
by User Name 10h
Article Name
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by User Name 10h
Article Name
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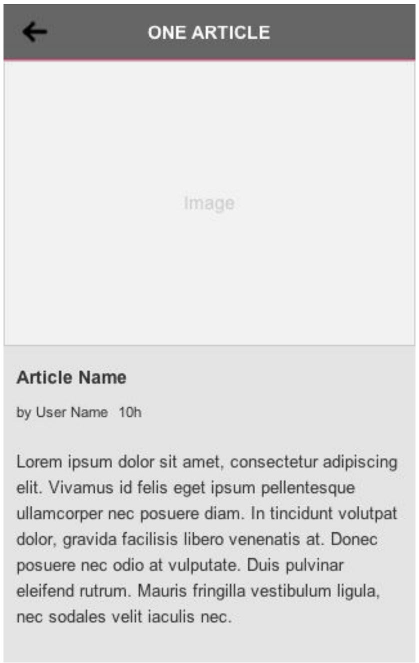
by User Name 10h

List of posts based on selected category. Home is default category, it means latest posts from all categories.

Screen 3



Article Name

by User Name 10h

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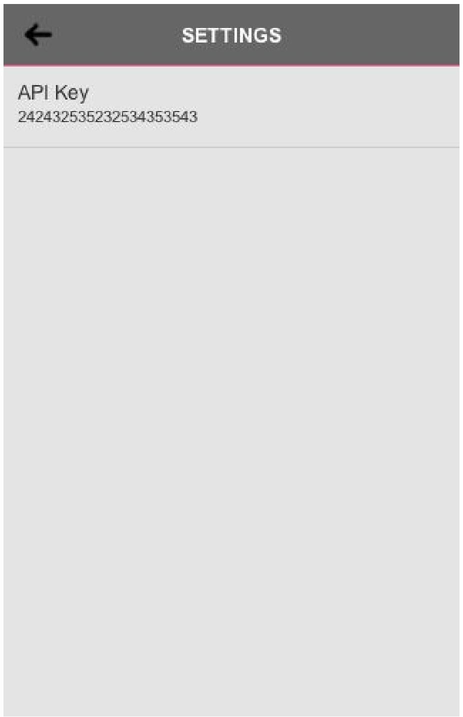
Detail of post. It contains featured image, title, meta data, and also the content.

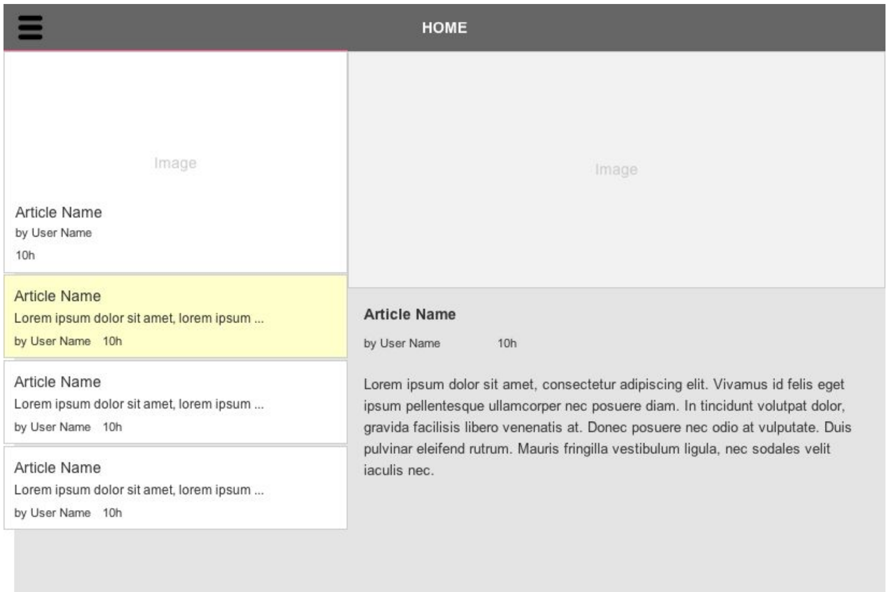
Screen 4



API Key
242432535232534353543

User could change api key by going to settings page.

Screen 5



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Tablet layout for post list and detail.

Key Considerations

How will your app handle data persistence?

Build Content Provider for categories and posts data.

Describe any corner cases in the UX.

User could go to category detail screen with its posts if they hit up button on the toolbar or back button.

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

- Picasso to handle the loading and caching of images
- Retrofit to get data from API
- Design support library to use CoordinatorLayout, AppBarLayout, NavigationView, CollapsingToolbarLayout, Snackbar.
- RecyclerView to show list.

Next Steps: Required Tasks

Task 1: Project Setup

- Configure libraries in build.gradle
- Configure app module
    - Use compileSdkVersion and targetSdkVersion 22
    - Use minSdkVersion 15

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity which contains NavigationView and FrameLayout to put the fragment
- Build UI for PostListFragment to list all posts by category
- Build UI for PostDetailFragment to show post detail
- Build UI for PostDetailActivity to show PostDetailFragment on non tablet devices.

Task 3: Implement Settings Screen

- Build xml for preference (input api key)
- Create Preference Activity

Task 4: Show Categories

- Create NavigationView in MainActivity
- Show categories from offline db if exists
- Get categories data from API and make it offline
- Get categories data from offline db and show/update on NavigationView

Task 5: Show posts by category

- Replace fragment in MainActivity based on selected category
- Show posts from offline db if exists
- Get posts data from API and make it offline
- Get posts data from offline db and show it on RecyclerView
- Show this fragment on the left side of MainActivity for tablet layout

Task 6: Show post detail

- Send article id from PostListFragment and get article from offline db
- Show posts from offline db if exists
- Get posts data from API and make it offline
- Get posts data from offline db and show it on RecyclerView
- Show this post detail fragment on the right side of MainActivity for tablet layout