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## Top News

### Description

This app focus on afford original news, top stories and unique opinions of news. You can find all you want here. So let's find all your need together.

### Intended User

People who want to know the news this world happens. We recommend people age more than 10 years old.

### Features

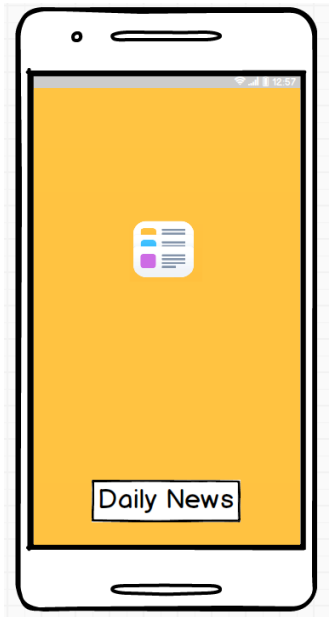
Main features of this app”

- Beautiful UI
- Material Design
- One hand news
- Deep report

## User Interface Mocks

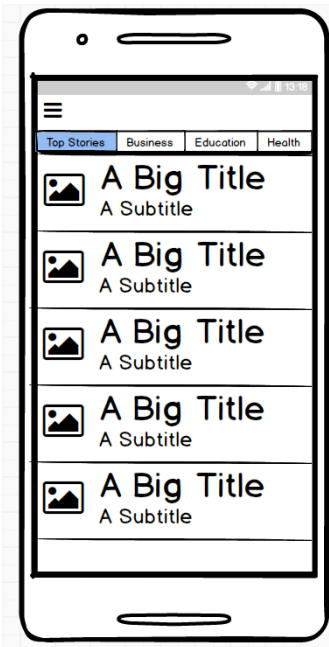
This chapter includes main screen of this app. Please see details as follows:

### Screen 1



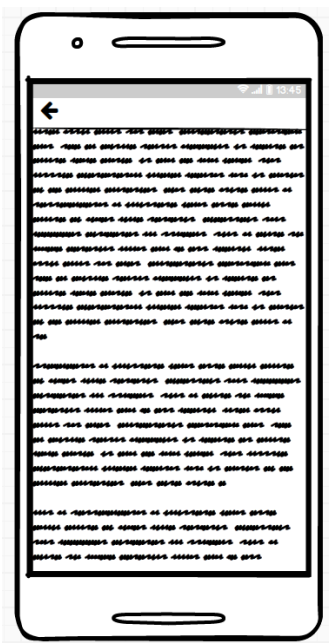
This is the launch screen of application. It is the welcome screen, and contains application icon and name.

## Screen 2



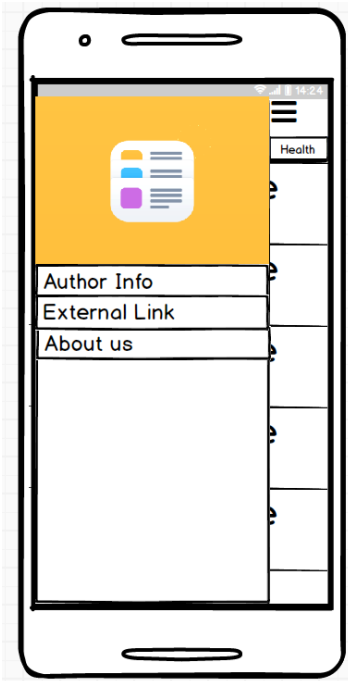
This is the main screen, it displays all the news you want. It contains top stories today, business, education, health info and so on. And it display top stories info default. If you want to read other news, you can scroll title bar and select other news info. Above the title bar, it is a menu. You can click it, and it displays the menu info.

## Screen 3



This is the detail news page. It displays the news you click from main page.

## Screen 4



This is the menu content. It displays the application icon and the developer information.

## Key Considerations

### How will your app handle data persistence?

This app use greenDAO orm sqlite databases to operation data. For provide data to this app and other app, it use content provider to offer same interface.

### Describe any corner cases in the UX.

If you switch tab title when load data from server, it will try to stop that request and start a new request to load data.

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

This app use Glide to handle the loading and caching of images, and it use Retrofit/okhttp3 to load data from server, and use greenDAO to make it simple to operation database. To make it simple for view binding, it use ButterKnife. And for memory leak cases, it use LeakCanary to test it.

## **Describe how you will implement Google Play Services.**

It uses Google analytics to find out user habits. And it uses Google push service to notification user fresh news arrival.

## **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**

- build the development environment
- set up project period

### **Task 2: Implement UI for Each Activity and Fragment**

- Build UI for WelcomeActivity
- Build UI for MainActivity
- Build UI for DetailActivity
- Build UI for slide menu

### **Task 3: Build Db and network service**

- Build Db and create table
- Add network service

### **Task 4: Add Google service**

- Add google push service to notify user
- Add google analytics to collect user habit