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Capstone Stage1

GitHub Username: [mohamedkhairy](#)

Ditch News

Description

it is first stage app provides international news from different sources in a different fields
I will use java solely to develop this app

Intended User

this app target all user who interest to know trending news

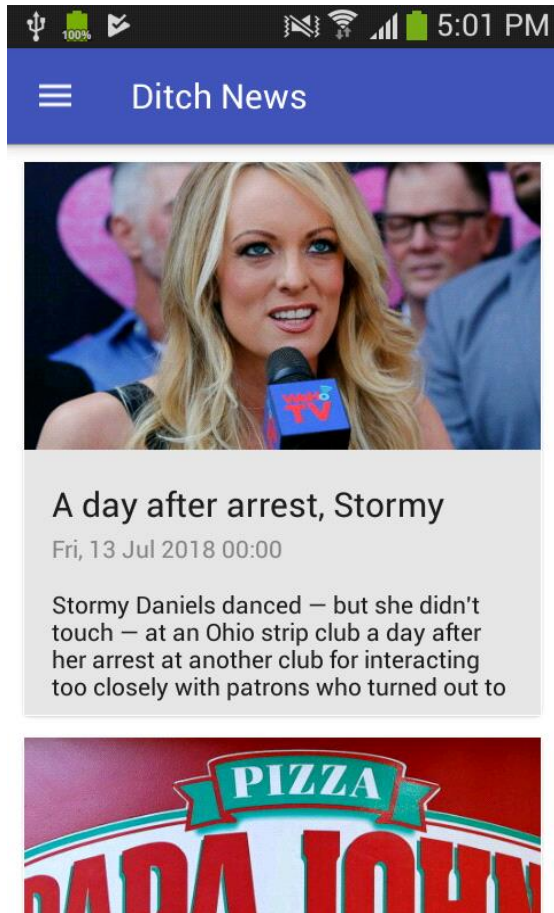
Features

The main features of your app

- get top news
- save interested news
- share specific one

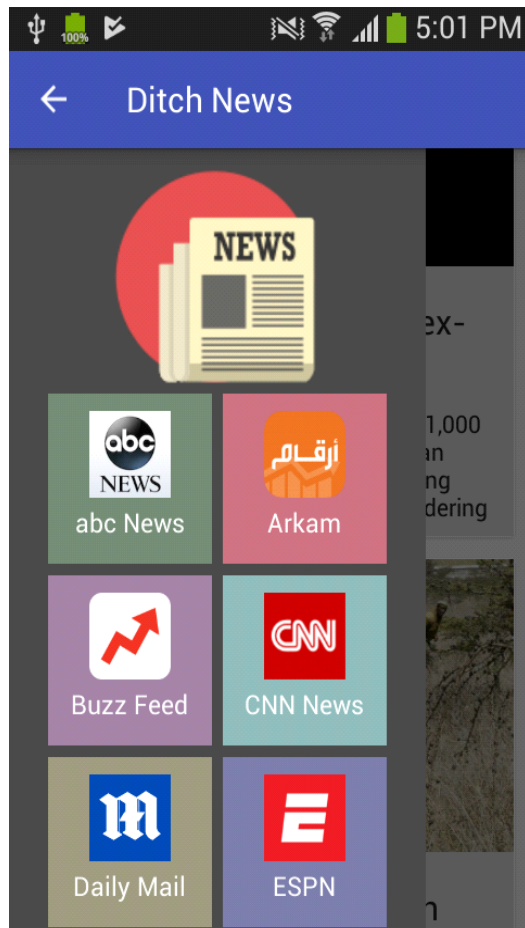
User Interface Mocks

Screen 1



opening screen will be like this

Screen 2



this will be the news menu

Screen 3



this will be the app home screen widget

Key Considerations

How will your app handle data persistence?

The app will use firebase realtime data base to store news

Describe any edge or corner cases in the UX.

I want to represent image icon of news sources in a navigation drawer to make it easy for users to recognize it

so I build it and include it in navigation drawer

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

Glide to handle the loading and caching of images

`'com.github.bumptech.glide:glide:3.7.0'`

Recycler view to implement news view

`'com.android.support:recyclerview-v7:26.1.0'`

CardView to represent news in good model

`'com.android.support:cardview-v7:26.1.0'`

Retrofit to handle connection and data parsing

`'com.jakewharton:butterknife:8.8.1'`

butterknife to easy handle and access design elements

`com.jakewharton:butterknife`

`com.jakewharton:butterknife-compiler`

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

FireBase Real time Database : Real time database will be used to store the any news that user want and retrieve it back

Firebase Crash Reports - This will be used to notify crash from users to fix this bugs

Next Steps: Required Tasks

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

Task 1: Project Setup

The app access ten news APIs so first :

- Setup dependencies and configure libraries
- devide my packages
- check the manifest permissions
- initialize my home view

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity
- implement recyclerview adapter to handle data

Task 3: Implement Navigation Drawer

Navigation Drawer is important and should be customized to implement images so:

- first will build a Navigation Drawer layout
- build a menu item in separated layout
- include menu layout in Navigation Drawer layout

Task 4: Save and Retrieve news from firebase realtime database

if users save or Retrieve data

- first build class to handle save , Retrieve and delete methods
- build class adapter to handle view

Task 5: News content View

if user click specific news :

- build UI for display news site

Task 6: News home screen widget

To show home screen widget:

- First build UI to display news widget
- Build class to handle widget's updates

Task 6: Start job dispatcher when connection lost

- Check the connection status
- Start job dispatcher to get data when reconnect

Submission Instructions

- After you've completed all the sections, download this document as a PDF [File → Download as PDF]
 - Make sure the PDF is named "**Capstone_Stage1.pdf**"
- Submit the PDF as a zip or in a GitHub project repo using the project submission portal

If using GitHub:

- Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
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