

How to Use this Template

1. Make a copy [File → Make a copy...]
2. Rename this file: “**Capstone_Stage1**”
3. Replace the text in green

Submission Instructions

1. After you’ve completed all the sections, download this document as a PDF [File → Download as PDF]
2. Create a new GitHub repo for the capstone. Name it “**Capstone Project**”
3. Add this document to your repo. Make sure it’s named “**Capstone_Stage1.pdf**”

[Description](#)

[Intended User](#)

[Features](#)

[User Interface Mocks](#)

[Screen 1](#)

[Screen 2](#)

[Key Considerations](#)

[How will your app handle data persistence?](#)

[Describe any corner cases in the UX.](#)

[Describe any libraries you’ll be using and share your reasoning for including them.](#)

[Describe how you will implement Google Play Services.](#)

[Next Steps: Required Tasks](#)

[Task 1: Project Setup](#)

[Task 2: Implement UI for Each Activity and Fragment](#)

[Task 3: Your Next Task](#)

[Task 4: Your Next Task](#)

[Task 5: Your Next Task](#)

GitHub Username: beshoy-samy

New News

Description

Using different News sources you can get to know the latest news from any one of them with different categories or sources you choose.

Intended User

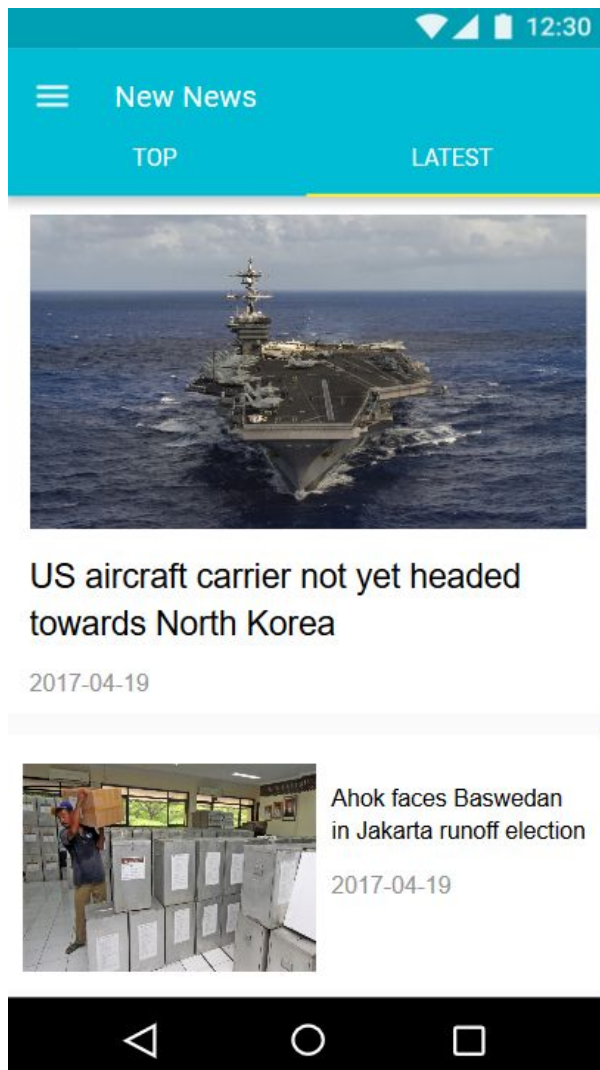
For news lovers.

Features

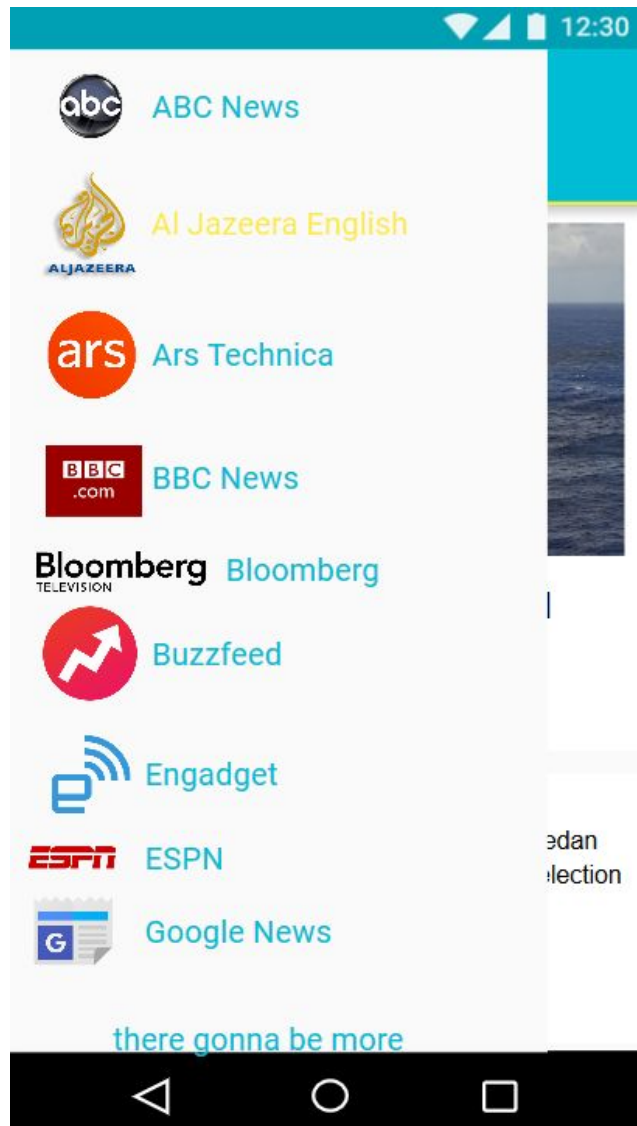
- Saves downloaded news
- Saves pictures
- Different news sources
- Different news categories

User Interface Mocks

Screen 1



Screen 2



Screen 3

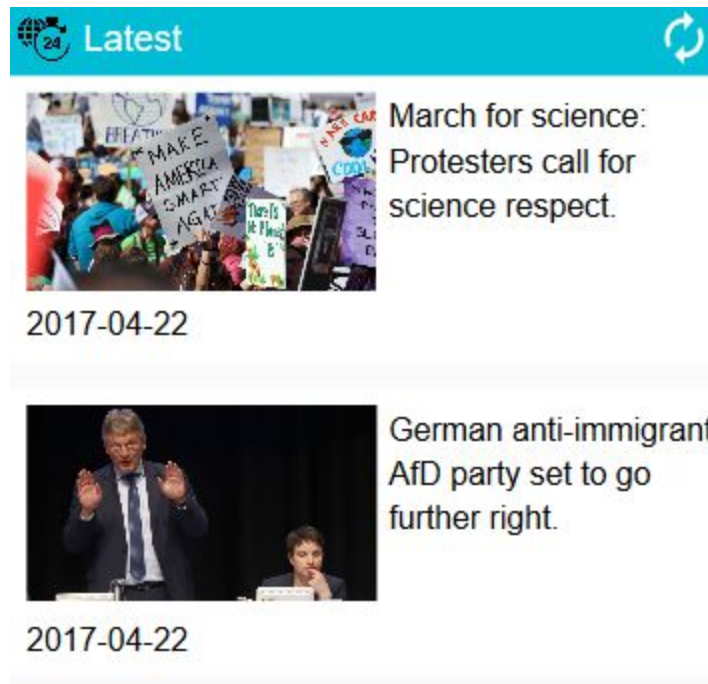


Paris: Gunman kills officer before being shot dead

France launches terrorism probe after attack on
Champs Elysees, three days before
first round of presidential poll. [full article](#)

author: Al Jazeera

App widget



Key Considerations

How will your app handle data persistence?

Will get the data from this api <https://newsapi.org/> and save it in a content provider so it will be available in offline mode and load the data from the content provider using loaders.

Describe any corner cases in the UX.

For example, how does the user return to a Now Playing screen in a media player if they hit the back button?

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

Picasso to handle the loading and the caching of an image.

Mikepenze material drawer to implement navigation drawer and save some time.

Describe how you will implement Google Play Services.

- AdMob: integrating Google ads add a bar of ads to the app

- Analytics: integrating firebase analytics to get reports how the users are behaving using the app
- Firebase crash reporting: to catch any bugs happens

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

- Configure libraries
- Get API key from the API

If it helps, imagine you are describing these tasks to a friend who wants to follow along and build this app with you.

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity
- Build UI for the top and latest fragments
- Build UI for the detail activity

Task 3: Implement the AsyncTask

Implement the AsyncTask to start loading the json data from the API

- Create a class to hold the data

Task 4: Implement contentprovider

Implement content provider to save the data for offline use

- Design the SQL database
- Design content URIs
- Design an authority

Task 5: Implement loaders

Implement the loaders to load the data from the content provider into the views

Task 6: Implement the app widget

Implement the app widget to let the user see the news from his home screen.

Task 7: Implement Google services

- AdMob: integrating Google ads add a bar of ads to the app
- Analytics: integrating firebase analytics to get reports how the users are behaving using the app
- Firebase crash reporting: to catch any bugs happens

Add as many tasks as you need to complete your app.

Submission Instructions

1. After you've completed all the sections, download this document as a PDF [File → Download as PDF]
2. Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
3. Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"