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## My Feed: Breaking Headlines & News Articles

### Description

My Feed is a an android app that shows users live top and breaking news headlines and allow them to search across every news article that mentions a specific topic or keyword from news sources and blogs

My Feed crawls and index news articles from over 30,000 news sources and blogs. We also monitor the top and breaking news headlines from the following 138 of the most notable of these sources, across over 50 countries.

My Feed Allows the user to read stories from The Guardian, BBC, The Telegraph, Forbes, Wired UK, Condé Nast, Rolling Stone and many more top publications from around the world.

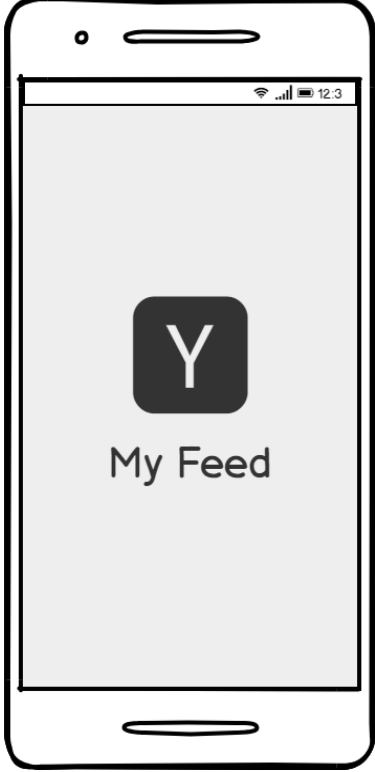
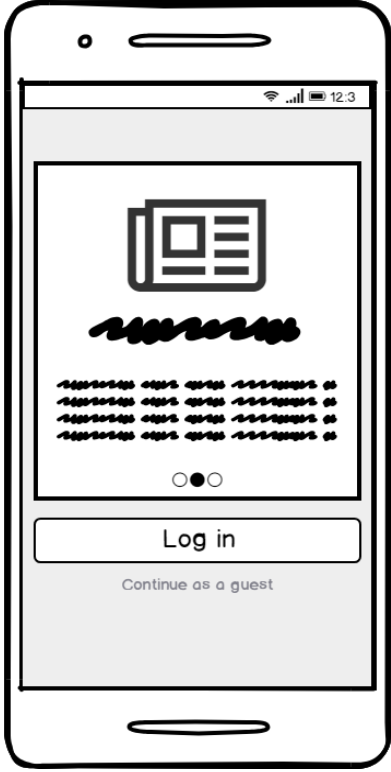
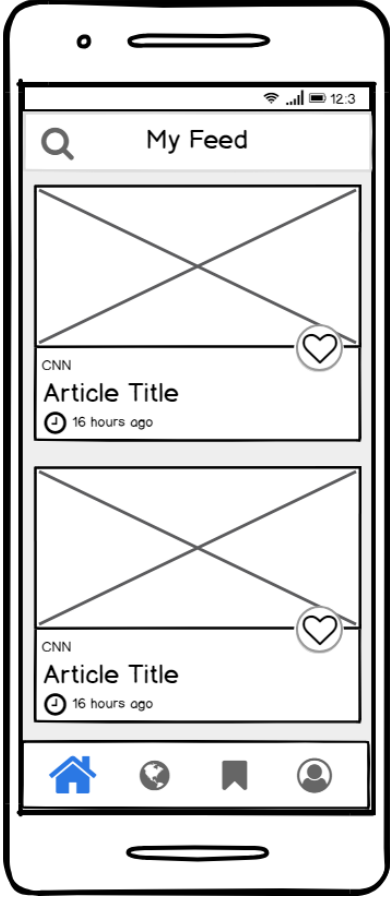
## Intended User

This app is for people who like to get a live top and breaking headlines for a country, specific category in a country, single source, or multiple sources. You can also search with keywords. Articles are sorted by the earliest date published first.

## Features

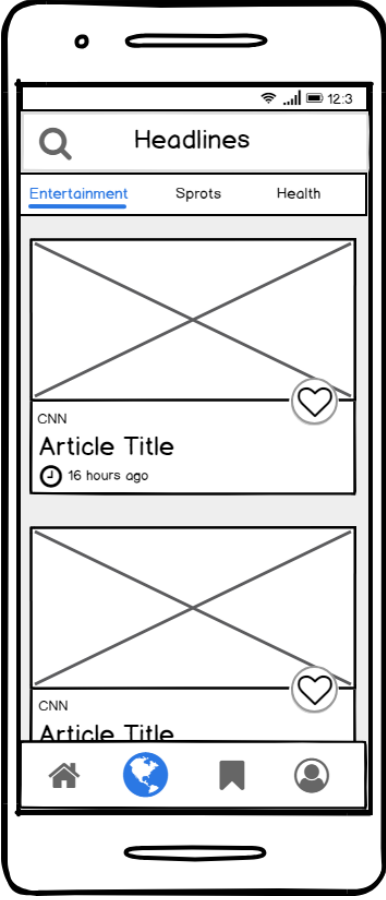
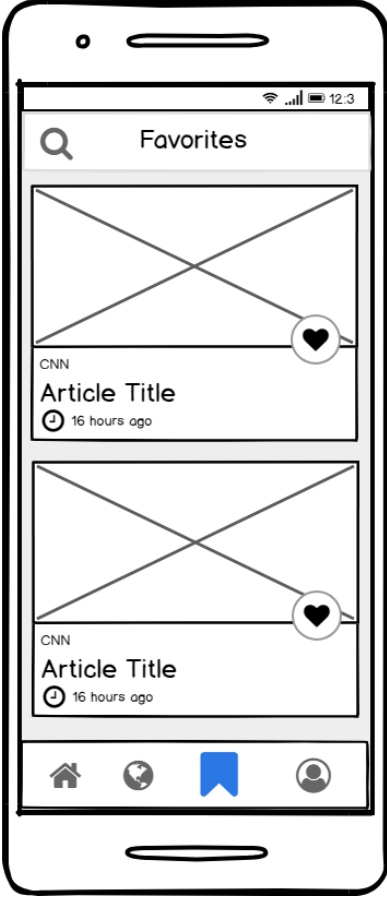

- Multiple Language Support - for the UI -(Arabic - English - Italian)
- Read, like and share articles on a variety of topics and languages
- App is written solely in the Java Programming Language
- Share Articles with friends
- Social Media integration
- Day and night reading modes
- search and full archive of your subscriptions
- Search Articles based on: Country, category, keyword, release date , sources , language
- Offline mode
- Push notifications
- User Authentication
- Support Multiple Screen Sizes
- Content personalization
- Offline Content
- Intro Slider
- Save Favorite Articles .
- App provides a widget to provide relevant information to the user on the home screen
- App keeps all strings in a strings.xml file and enables RTL layout switching on all layouts.
- App keeps all strings in a strings.xml file and enables RTL layout switching on all layouts
- App provides image descriptions if the image did not load
- App Allow Voice Search

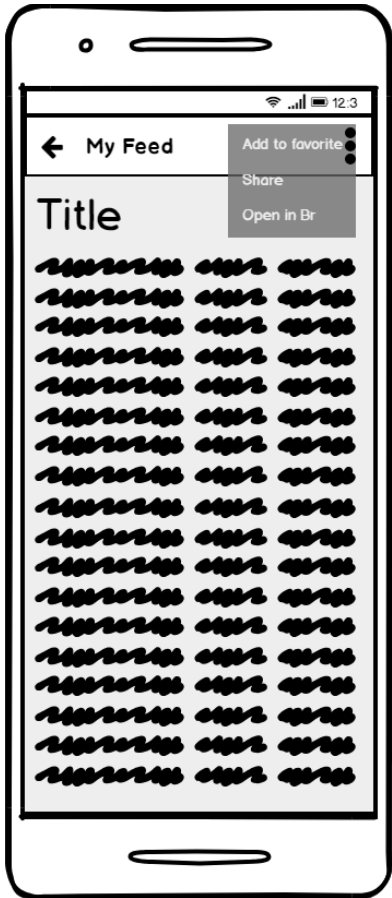
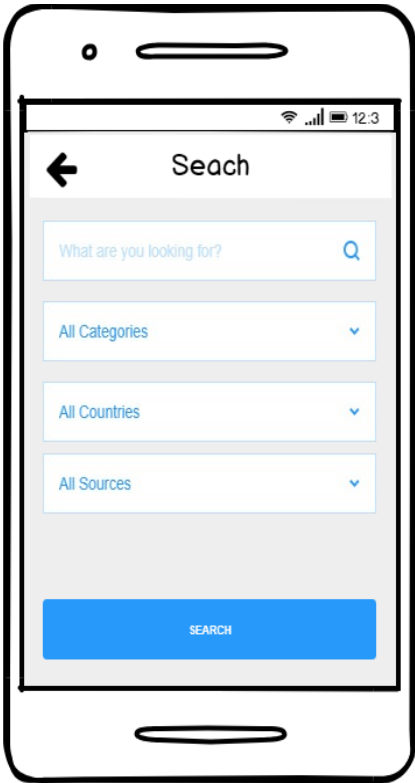

## User Interface Mocks

		
<p>Splash Screen</p>	<p>An Intro Screen with A slider about the App Functionality, with two buttons to</p>	<p>The main Screen in the app with a list of articles based of the user</p>

	Log in or to continue as a guest	preferences
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## User Interface Mocks

		
Screen that has a list of Headlines	Articles that the user saved	User profile and settings

 <p>A mobile app mockup of an article screen. At the top, there's a status bar with signal, battery, and time (12:3). Below it, a navigation bar shows a back arrow, 'My Feed', and a menu icon. The menu has options: 'Add to favorite', 'Share', and 'Open in Br'. The main content area has a 'Title' placeholder and a list of 20 article thumbnails, each with a wavy line for an image and a small icon for a source.</p>	 <p>A mobile app mockup of a search screen. It features a back arrow, a 'Search' title, and a search input field with the placeholder 'What are you looking for?'. Below the input are three filter sections: 'All Categories', 'All Countries', and 'All Sources', each with a dropdown arrow. A blue 'SEARCH' button is at the bottom.</p>	 <p>A mobile app mockup of a selection dialog. The title is 'Profile'. The dialog box is titled 'Select From The List' and contains a list of items with checkboxes: Arabic, Englis, Italin, Arabic, Arabic, Englis, Italin, and Englis. A 'Done' button is at the bottom right of the dialog. The background shows a blurred view of the app's main interface.</p>
<p>Article Screen</p>	<p>Search Screen</p>	<p>Selection Dialog For The Languages , Categories and Sources</p>
<div data-bbox="94 1497 592 1864"> <p><b>CNN</b></p> <hr/> <p>7 Little Tricks To Achieve The Best Results</p> <p>The Ultimate Revelation Of Android.</p> <p>5 Facts That Nobody Told You About Andro</p> <p>5 Latest Developments In Android.</p> <p>15 Doubts You Should Clarify About Android</p> <p>Ten Things To Avoid In Android.</p> </div>		

A Widget to show the latest news from a source		
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## Key Considerations

How will your app handle data persistence?

Android Architecture Components ( Room , ModelView , Life Data )

Describe any edge or corner cases in the UX.

If the screen orientation changed the app will save the data of the screen and not reload it again

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

Retrofit - 2.4.0 : Restful Api

Android Studio - 3.2.1

Android Support Library - 28.0.0

Glide - 4.7.1 : Image Loading

Firebase Auth - 16.0.5 : Authentication

Firebase Messaging - 16.0.5 : Push Notification

Binding Library : Data Binding

Gson - 2.8.2: Pojo

Google Material Icons - 3.0.1.2

Font Awesome - 5.0.13

Espresso - 3.0.2 : Testing

Room - 1.1.1 : data persistence

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

analytics will be added as Google Play Service.

## Required Tasks

### Task 1: Project Setup

- Implement The UI For All The Activities and Fragments

### Task 2: Api Setup

- Connect The Api With The UI

### Task 3: Implement User Authentication

- Implement User Authentication
- Create The Customized Content Based On User Preferences

### Task 4: Connect The App to Firebase

- Implement Firebase Notification
- Implement Firebase Database For the Favorite Articles

### Task 5: Widget

- Implement a widget

### Task 6: Testing

- Implement Ui Testing