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News Flow

Description

News Flow is an app that provides news from leading news sources in the world and at the same time also gives you the power and freedom to decide the news-source to read from. Get popular , trending news on all topics ranging from politics,sports,entertainment,technology and many more.Have you ever had tough time getting news from your favourite newspapers , then this is the app for you.

Today news supplied to you digitally is customized . This keeps you in a shell and cuts you from the happenings of the world. This app helps you get of that, for you get to decide which

news-source you want to read from.And you need not worry about ever running out of news as there are about **70 channels** to choose from.

News Flow Features:-

- 1.Choose news from about 70 different channels.
- 2.Popular news from around the world.
- 3.Save your news articles for future reference/use.
- 4.Option to share news.
- 5.A responsive widget providing easy accessibility.
- 6.Simple and Beautiful UI
- 7.No more customized feed ! , hence more open to the world.

Intended User

Anyone of any age who wants to get the popular ,lastest news from around the world can use this app to stay updated. There are news channels for every class of society from gamers to bankers.

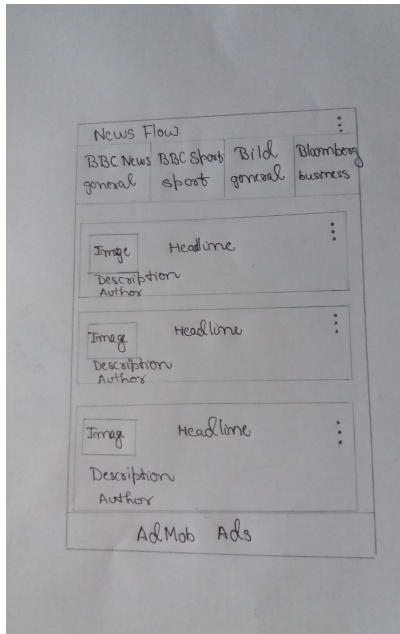
Features

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User Interface Mocks

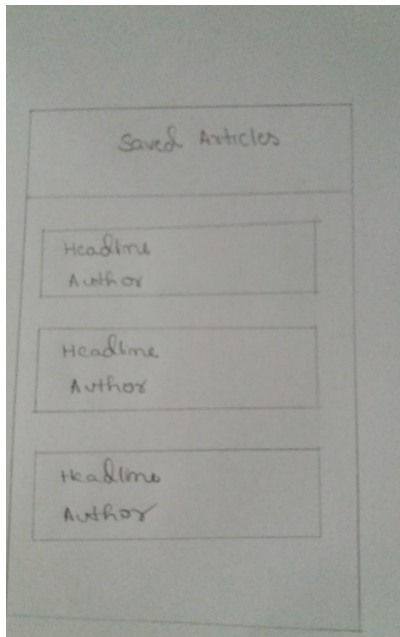
MainActivity



The screen contains two recycler views . The top recycler view represents the news-source as well as category. The other recycler view contains news items containing image,headline,description and author.

In case of Tablet , The news items will be displayed in a grid.

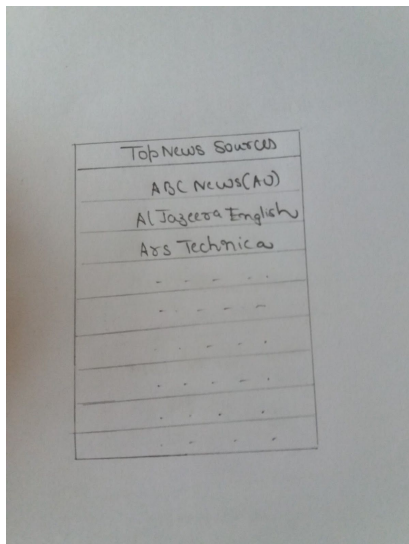
SaveActivity



The screen contains recycler view for saved articles .

In case of Tablet , The news items/saved articles will be displayed in a grid.

Widget



The widget consists of different news sources displayed in a list view which can be clicked to read news from that particular source.

Key Considerations

How will your app handle data persistence?

The app handles data persistence through a content provider. The user can save the news he likes for future references which will be displayed in a separate activity. The headline and author info is saved along with the url to access the news.

Describe any edge or corner cases in the UX.

The app has easy to use UI and UX . It uses recycler views whenever possible for better performance . The home screen widget helps you choose the news sources . The app also has simple appealing animations for better UX. The user can reach the MainActivity from SaveActivity by pressing back button of the device.

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

Picasso is used for loading images while displaying news to the user.

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

The services used are:-

1. Admob through Firebase:- The app uses admob to display ads and uses firebase to do so. The banner ads are displayed at the bottom of the screen.
2. Cloud Messaging through Firebase:- The app uses Cloud Messaging through Firebase for sending notifications to users.

The above services are implemented according to the documentations as much as possible.

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

1. Create mockups.
2. Get the news api key.
3. Use dependencies for picasso , firebase services like ads,cloud-messaging.
4. Use the design support library.
5. Use Support libraries for recycler views and card-views.

Task 2: Implement UI for Each Activity and Fragment

1.Build UI for MainActivity:-

- Use two recycler views , one for displaying news sources and other for displaying news from the selected source.
- Card view for displaying news
- Each news item has the option for save and share.
- Menu to navigate to SaveActivity.

2.Build UI for SaveActivity:-

- Use AppBar and Toolbar.
- Recycler view to display saved items.
- Saved item displayed in card view.

3.Widget

- Use Collection View Widget.
- ListView to display of news sources.
- Widget list item clickable .

Task 3: Your Next Task

- Get data from the news api in two sets one for news sources and other for news.
- Use recycler view adapter to populate views.
- Add save and share functionality
- Display ads using adMob

Task 4: Your Next Task

- Create SaveActivity

- Create a database

Task 5: Your Next Task

- Create a widget
- Display list of news sources in the widget

TECHNICAL TASKS:-

- App uses cursor loader in SaveActivity to display saved articles.
- App uses AsyncTask/AsyncTask Loader to make on-demand network requests while fetching news and news-sources.
- App theme extends app-compat
- App supports accessibility like RTL layouts and all strings are stored in strings.xml

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

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- Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"