Capstone

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News

Description

This app is helpful to know about the current top highlights of the news around the globe.

Intended User

This app is mainly focused for the people who use to read newspaper daily.
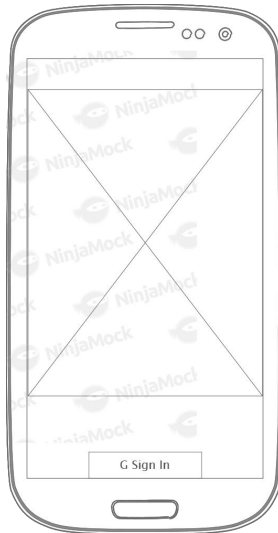
Features

Main features of the app are :
- Retrieves information from news api.
- Displays the Information elaborately/detailed

- All the strings are placed in the strings.xml file and enables the RTL layout-switching on all layouts.
- App provides a widget to provide a relevant info of what the top most headline is.
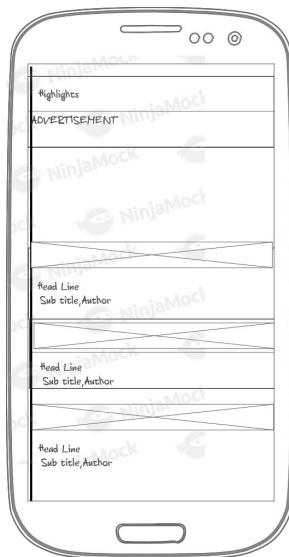- Saves the article to read it later.
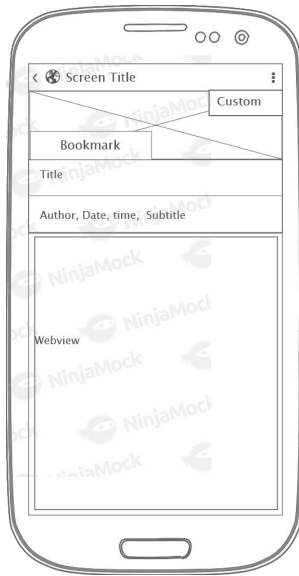
User Interface Mocks
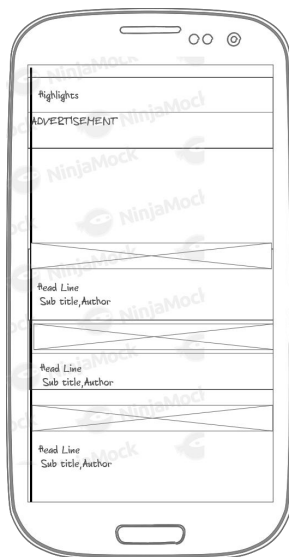
Screen 1

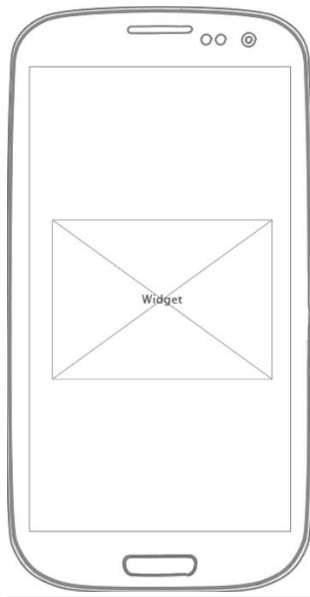Authentication
Screen 2

MainActivity

Screen 3

DetailedActivity

Screen 4

BookmarkActivity

Screen 5

Key Considerations

How will your app handle data persistence?

The app handles data from fetching data simultaneously from the json file of the API.

Describe any edge or corner cases in the UX.

If the user return to the previous screen the screen refreshes for new content every time.

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

Glide handles the loading and caching of images as it loads the image fast and has a large cache in it.

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

I used the firebase services to handle the authentication, realtime database

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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

Write out the steps you will take to setup and/or configure this project. See previous implementation guides for an example.

You may want to list the subtasks. For example:
- Configure libraries
- Add firebase auth, database and admob to the app
- Add a detailed activity
- Add a widget activity
- Add a activity to get the bookmarked article.

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

List the sub-tasks:
- Build UI for MainActivity
- Build UI for Detailed Activity
- Build UI for Bookmarks
- Build UI for widget

Task 3:Authentication

Implement Google Play Services

List of the sub-tasks
- Create layout
- Add firebase to the app
- Add authentication for the app using firebase

Task 4: MainActivity

The user will be redirected to the MainActivity of the app where he sees the headlines
List of the sub-tasks:
- Create layout
- Add the data to the layout using the java class that is fetched from the NEWS API.
- Fetch the json data into a recycler view and show the data as the shown in the MainActivity screen.
- Add a admob activity.

Task 5: DeatiledActivity

The detailed activity shows the detailed news of the head line that is showed in the main activity.
List of the sub-tasks:
- Create layout
- Fetch the data from the url that is generated into the web-view that displays the news article.
- Add a admob activity.

Task 6: Bookmarks

The bookmark activity shows the detailed news of the head line that bookmarked.
List of the sub-tasks:
- Create layout
- Save the data of the bookmarked articles either by using firebase or room database.
- On opening the bookmarks page or activity the data that is saved is fetched into the activity.
- If the article is removed from the bookmarks then the article is removed from the database.

Task 7: Widget

The widget activity shows the top highlighted headline.
List of the sub-tasks:
- Create layout
- Fetch the top head line from main activity and display it.