Headlines

Description

Headlines provides latest news headlines from leading newspaper from all around the world. Get news on business, entertainment, gaming, general, music, politics, sciences-and-nature, sport, technology.

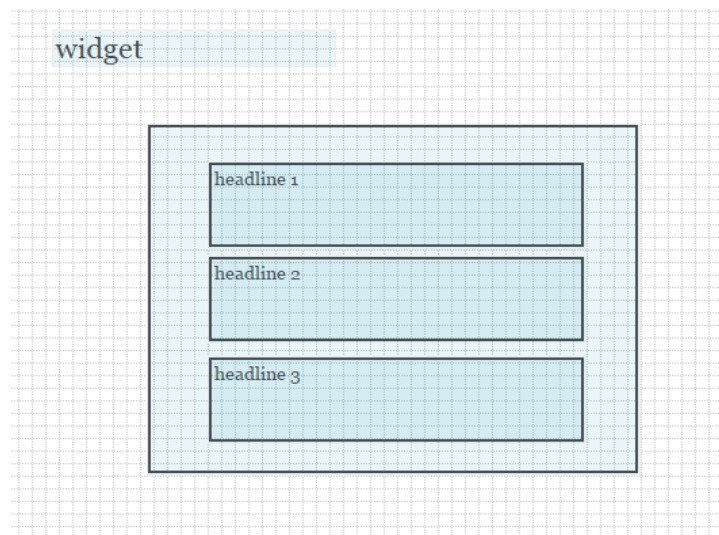If you want a sneak peek of top headlines or latest news this app will give you all that.

Intended User

This app is for everyone.

Features

- List of latest news
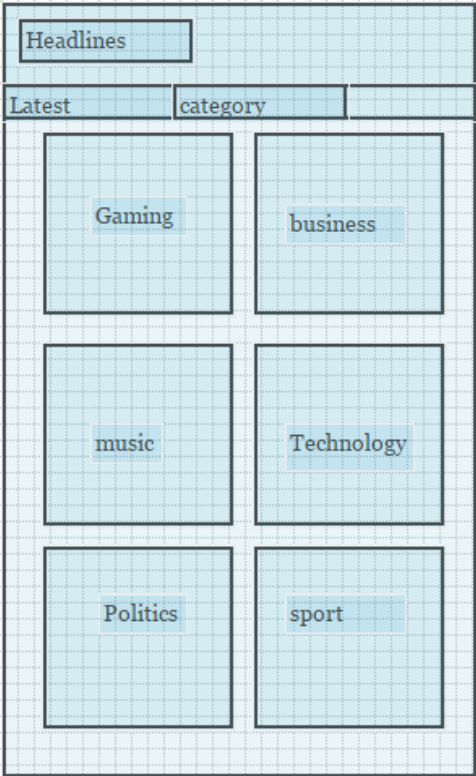- See the news by categories like technology, gaming, music etc.
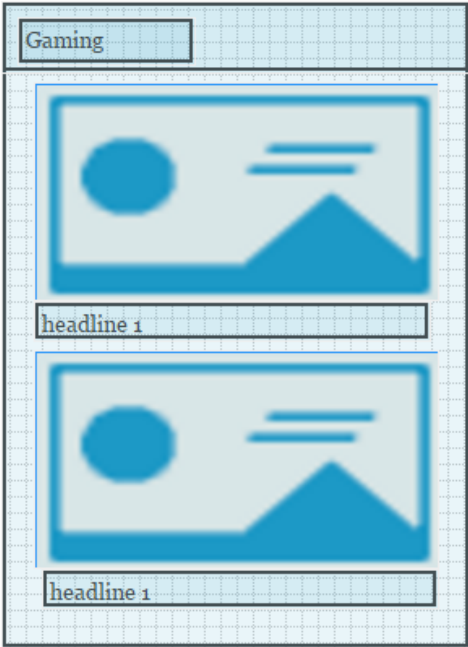
User Interface Mocks

Headline		
Latest	Category	

headline 1

headline 1

After clicking on the headline it take you to next activity with the news on webview.

category mock

Headlines

Latest   category

Gaming   business

music   Technology

Politics   sport

on click new activity

Gaming

headline 1

headline 1

Key Considerations

Latest news will be stored in sqlite data base and I will build a Content provider for that.

Third-party lib:

Glide: to handle loading and caching of images.

Retrofit: A type safe HTTP client for android and java

ButterKnife : Field and Method binding for android views.

Storio : to store data on sqlite data base.

Google Play Services:

1 Analytics: - to analysis the behavior.

2 Admob :- to show ad in the app.

Required Tasks

Project setup:

- Create a new project in android studio.
- Add dependency's for all the third party lib.
- Create a data model for storing data in sql data base.

Task 2: implement UI for each activity and fragment

Sub task for main activity:-

Integrating View Pager to show TabLayout

Build latest news fragment

Recycler view with card view

Adapter for recycler view

Build category fragment

Grid layout for category

Task 3 webview

      Webview to show the full news.

Task 4 sqlite data base and content provider

      Using storio create data base and contain provider for storing.

Task 5 Retrofit

      Load data from news api

      Store into sqlite data base.

Task 6 Google Play services

      Add admob for ad in app

      Add analytics to the app

Task 7 Implementing sync Adapter

      To sync latest news every 3 hours.