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NewsBox

Description

This app allows people to read daily news. It contains all kinds of news, including art, technology, sport, business and so on. People can read the digest of the news or dive into detail.

Intended User

This app is prepared for people who want to read news.

Features

- Provide daily news in digest or in detail.
- Use material design to improve user experience
- Provide widget for users to view latest news

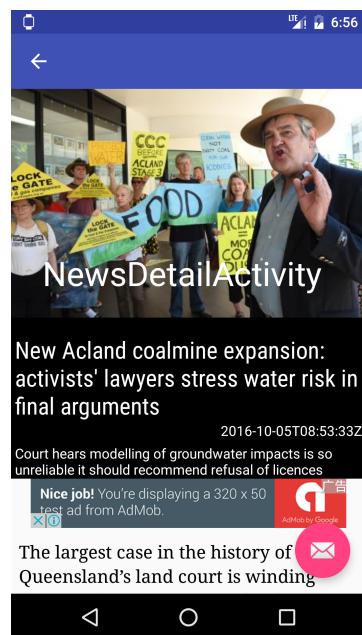
User Interface Mocks

Screen 1



Use Tab to display section name. Users can select a tab or slide to a tab and the news list will update automatically according to the tab. CardView is used to display news digest, including thumbnail, headline, create time and trail text. User can view detail news by clicking a particular card.

Screen 2



Provide descriptive text for each screen

This screen shows the details of the news user selected, including thumbnail, headline, create time, trail text and body summary. When user slide up, the image will shrink. User can share the news link to others by clicking a FloatingActionButton.

Key Considerations

How will your app handle data persistence?

The app will fetch data from the Internet and then store these data in database. A Content Provider will be built to handle data.

Describe any corner cases in the UX.

Use Tablayout to display news section. When user slide to a particular tab, the related news list should appear.

Use the combination of CardView and RecyclerView to display news list.

In news detail activity, when user slide up, the image will shrink.

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

Picasso is used to handle the loading and caching of images.

Describe how you will implement Google Play Services.

Use Google AdMob to provide advertisement.

Use Google Analytics to analyze people's behavior.

Next Steps: Required Tasks

Task 1: Project Setup

- Configure libraries and dependencies
- Get API key and build SyncAdapter to fetch data
- Design table columns, uri for database
- Build Content Provider and use AndroidTest to test Content Provider

Task 2: Implement UI for Each Activity and Fragment

- Build UI for NewsList

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- Build UI for NewsDetailActivity
- Implement FragmentPagerAdapter and RecyclerViewAdapter
- Implement Loader, padding data to UI

Task 3: Refine Application

- Create Widget
- Implement Google Play Services (AdMob and Analytics)
- Handle Error Cases
- Refine Material Design
- Add RTL support and content description

Task 4: Publish Application

- Set icon for the application
- Sign the application