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Npr Podcast App

Description

The Npr Podcast App provides access to top-quality podcasts from Npr that are customized to your interests. It provides a personalized listening experience drawing from awarding-winning podcasts like Fresh Air, Morning Edition and All Things Considered.

Intended User

The target user is a person who is interested in consuming news on the go and wants personalized new recommendations
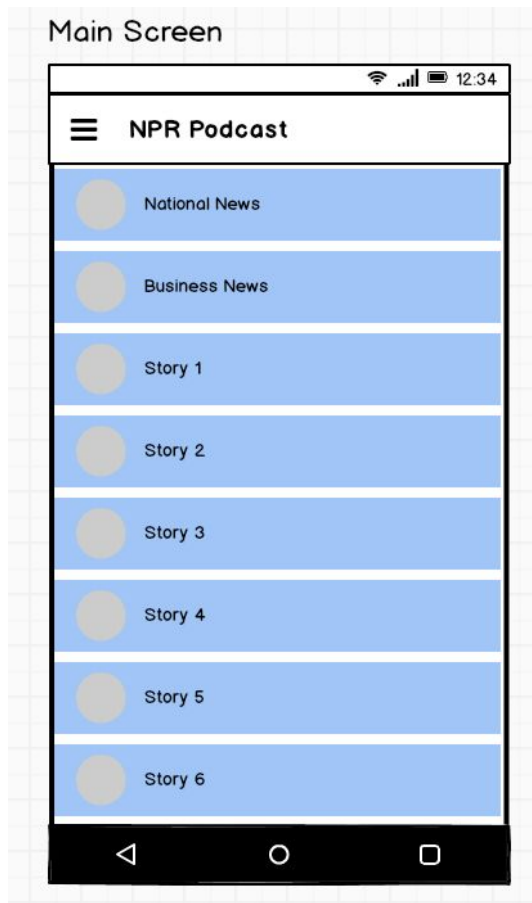
Features

The main features:
- Play podcasts from Npr

- Provides a list of recommended podcasts
- Content is tailored towards user's listening habits
- Provides (requires) login using oauth based on Npr login, or Google or Facebook login

User Interface Mocks

Screen 1

Main Screen shows list of podcasts. User is required to login prior to seeing this screen.

Screen 2

Detailed Screen provides a player to play the podcast, and includes a Title, Podcast Description and image(s).

Key Considerations

How will your app handle data persistence?

Will build a custom content provider.

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

- Retrofit for building REST client to Npr Api
- Picasso for displaying images
- ExoPlayer for playing the audio

Next Steps: Required Tasks

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.

- Build REST API client
  - Oauth
  - Getting list of recommended podcasts, with the meta data
- Build JSON parser using GSON (JSON to POJOs)
- Build Content Provider

Task 2: Implement UI for Each Activity and Fragment

- Build UI for for MainScreen
  - Adapter (List or Recycler)
  - Builder Loader
- Build UI for Detailed Screen (minus the player)

Task 3: Implement PlayerService

- Implement PlayerService with ExoPlayer library

Task 4: Implement Analytics and AdMob

- Integrate Analytics and AdMob libraries

Task 5: Bug fixes and release