

Description

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Screen 2 – Podcast list

Key Considerations

How will your app handle data persistence?

Describe any edge or corner cases in the UX.

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

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

Next Steps: Required Tasks

Task 1: Project Setup

Task 2: Implement UI for Each Activity and Fragment

Task 3: Design Local SQL Database

Task 4: Produce Content Provider

Task 5: Implement Cursor Loader

Task 6: Networking

Task 6: Implement Admob

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My Podcasts

Description

My podcast is a podcast player and manager that provides access to millions of free podcasts produced by podcasters. The app let you fetch feeds easily from iTunes or gPodder.net. You can even download, stream or put your episode into your playlist and listen to them in your own way. You can subscribe to podcast and show episode or show podcast by category and even add podcast to favorites.

Users will receive notifications when new episodes are available to stream or download.

Intended User

My Podcasts app is intended for fans of listeners of podcasts or people looking to find new set of podcast to listen.

Features

List the main features of your app:

- Add and import podcasts from iTunes, gPodder.net
- Manage playback from anywhere: widget screen (optional), system notification and more.
- Add or remove podcast to favorite
- Download podcast and listen when offline
- Subscribe to podcast
- View podcast by category, episode
- View podcast description
- Offer free version with ads or paid version without ads
- Receive notifications of new episodes
- Create account or login to the app before downloading a podcast.
- Share podcast to friends

User Interface Mocks

Screen 1 - Login

The mockup shows a login screen with a blue border. At the top, a box contains the text "Create account / login to download podcast and view offline". Below this are two input fields: "Email" and "Passwor" (truncated). At the bottom, there is an oval button labeled "Login with google".

Create account / login to download podcast and view offline	
Email	<input type="text"/>
Passwor	<input type="text"/>
<div>Login with google</div>	

This screen is design to create login before downloading podcast

Screen 2 - Create user (phone and tablette)

Mobile phone

The mobile phone screen design is a vertical rectangle. At the top, there is a white rectangular box with a blue border containing the text "Create account / login to download podcast and view offline". Below this box are three input fields, each with a label to its left: "User name", "Email", and "Password". Each label is in a small white box with a blue border. To the right of each label is a larger white input box with a blue border. At the bottom of the screen is an oval button with a blue border containing the text "Login with google".

Tablette

The tablette screen design is a horizontal rectangle. It features a white rectangular box with a blue border in the center, which contains the same elements as the mobile phone screen: a top box with the text "Create account / login to download podcast and view offline", three input fields for "User name", "Email", and "Password", and a bottom oval button labeled "Login with google". The entire content is centered within the larger tablette frame.

This screen is design to create an account

Screen 2 - Podcast list

Podcast List from iTunes/Gpodder

Title
Feed Url

Title
Feed Url

Title
Feed Url

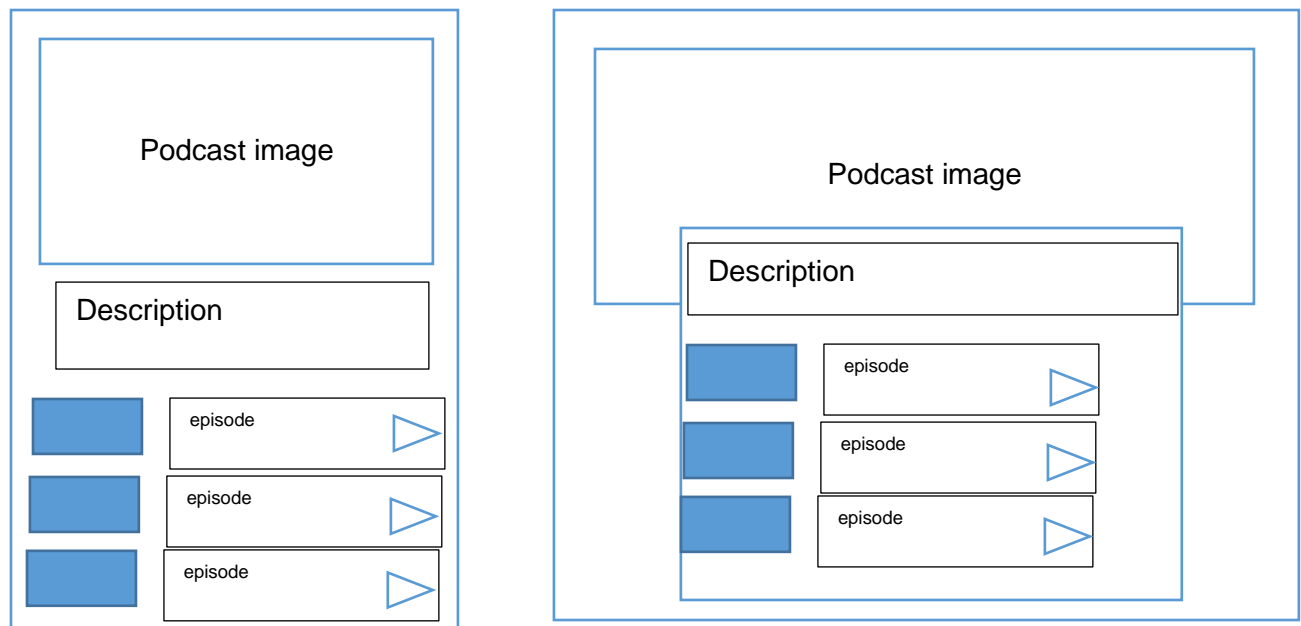
This screen is design to view all post fetch from iTunes or Gpodder.net. On this screen user can download podcast after login

Screen 2 - Media player



This screen is design to play podcast using media player and on top there is ads for free version of the app.



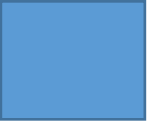



Screen 2 - Show details (phone and tablette)







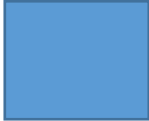





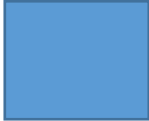





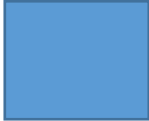

This screen is design to view podcast details.

Screen 2 - Podcast list

Podcast List from iTune/Gpooder

	Title Feed Url 
	Title Feed Url 
	Title Feed Url 

Tablette

<div>Podcasts</div> <div>Subscribe</div> <div>Downloads</div> <div> Subscrib podcast list hear ----- ----- ----- </div> <div>Settings</div>	<div>Podcast List from iTune/Gpooder</div> <table> <tr> <td></td> <td>Title Feed Url </td> </tr> <tr> <td></td> <td>Title Feed Url </td> </tr> <tr> <td></td> <td>Title Feed Url </td> </tr> </table>		Title Feed Url 		Title Feed Url 		Title Feed Url 
	Title Feed Url 						
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This screen is design to view podcast list. On tablette options are shown in left of the screen.

Key Considerations

How will your app handle data persistence?

The app will use and AsyncTask to retrieve the rss feed for each provider (iTune, Gpodder.net) and save podcast subscribed data to a contentProvider, wich will store data in a sqlite database. The app will use Firebase to configure user creation and use preferences in the app to store credentials. Every time the app is launched, The cursorloader will fetch data from local sqlite database so that users can manipulate when offline.

Describe any edge or corner cases in the UX.

Since the MediaPlayer will persist across all screens through the Player in a BottomSheet, the user can return to the current episode information by expanding the Player.

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

I will use:

- Glide to handle the loading and caching of images.
- Firebase for user creation and users login before download a podcast. (I choose to let users create account before downloading podcast to give myself challenge on how to implement authentication in android app using Firebase).
- Espresso: to make some UI Test.
- Retrofit: to get data from and external api
- ButterKnife: To avoid using every time findViewById
- Schematic: To generate quickly content providers
- Facebook stetho: To debug the database

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

I am going to use Firebase and Admobe. Firebase to create new user account and achieve login and Admobe to show banner ads. I will use AdView from Admob to show the banner ad and google provider or email/password to create user using Firebase.

Next Steps: Required Tasks

Task 1: Project Setup

- Set up libraries
- Structure the project in packages: view, data, model, utils, adapter. Separate pure Java classes in separate pages.

Task 2: Implement UI for Each Activity and Fragment

Implies:

- Build UI for the main screen
- Build UI for the category fragment (subscribe, favorites,downloads)
- Build UI for preferences activity
- Build UI for podcast details screen
- Build UI for Adding podcast
- Build UI for Media player
- Build UI for user creation/Authentication Screen

Task 3: Design Local SQL Database

- Creating an SQL Database
- Creating tables holding episode, podcast.

Task 4: Produce Content Provider

Code logic for:

- Persisting episode and setting flags (downloaded, favorites)
- Retrieving episode, podcast, download podcast

Task 5: Implement Cursor Loader

The code behind each screen displaying iterative data retrieved from database must implement a cursor loader with a recycler view.

Task 6: Networking

I will use an AsyncTask to fetch data from the iTunes and Gpodder. And Intent Service to download podcast for offline use.

Task 6: Implement Admob

Add dependencies and show adView in all free activities.