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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, 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
- Play/Pause podcast from a widget.

## 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 features a central white rectangular area with a blue border. At the top, a smaller white box with a blue border contains the text "Create account / login to download podcast and view offline". Below this, there are three input fields, each with a label to its left: "User name", "Email", and "Password". At the bottom of the central area is an oval button with the text "Login with google".

Tablette

The tablette screen design features a large white rectangular area with a blue border. Inside, there is a smaller white rectangular area with a blue border, which contains the same elements as the mobile phone design: a top box with the text "Create account / login to download podcast and view offline", three input fields labeled "User name", "Email", and "Password", and an oval button labeled "Login with google".

This screen is design to create an account

### Screen 3 - Podcast list

Podcast List from iTunes/Gpodder

Title  
Feed Url

Title  
Feed Url

Title  
Feed Url

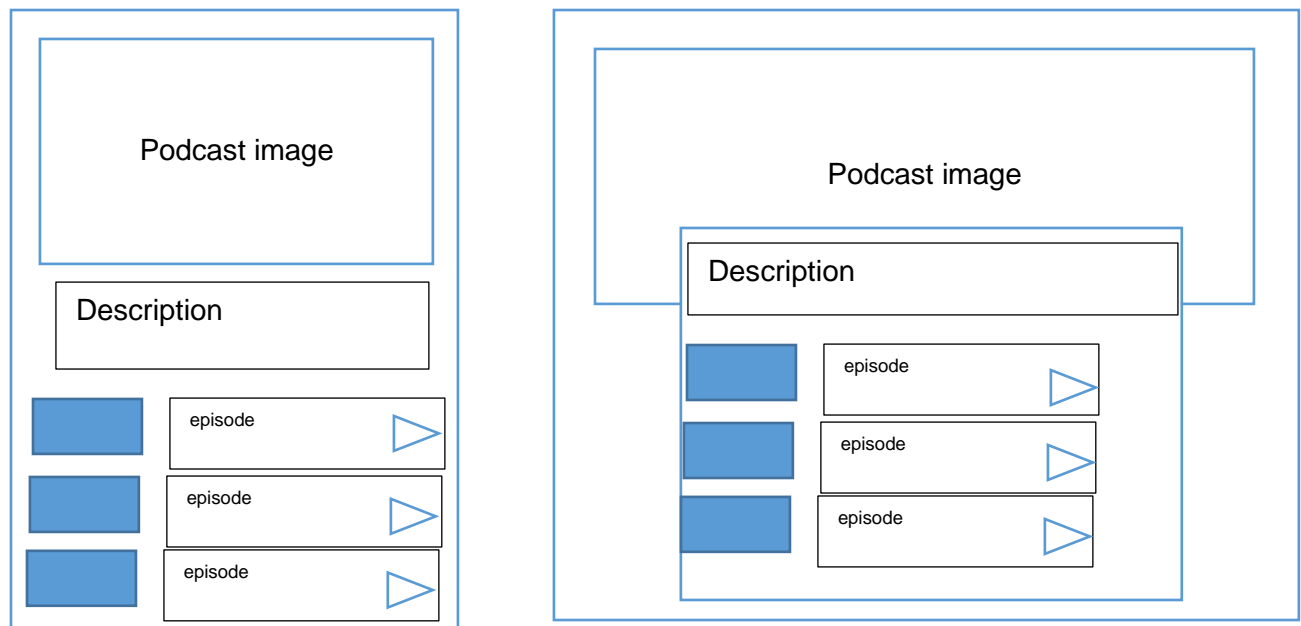
This screen is design to view all post fetch from iTunes or Gpodder.net. On this screen user can download podcast after login

## Screen 4 - Media player



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



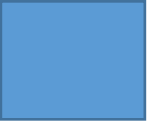



## Screen 5 - Show details (phone and tablette)







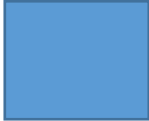





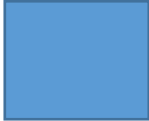





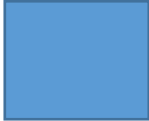

This screen is design to view podcast details.

## Screen 6 - Podcast list

Podcast List from iTune/Gpooder

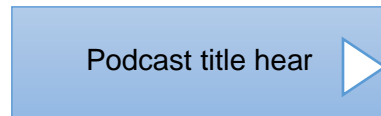
	Title Feed Url 
	Title Feed Url 
	Title Feed Url 

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 
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This screen is design to view podcast list. On tablette options are shown in left of the screen.

## Screen 7 - Widget screen



This screen is a widget home screen that show podcast title and play or pause button.

## 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.

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### Task 2: Implement UI for Each Activity and Fragment

Implies:

- Build UI for the main screen
- Build UI for the category fragment (subscribe, favorits,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, favorits)
- 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.