

CAPSTONE PROJECT

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TelePortal

Description

Had a TV Show in mind but don't remember who was the cast , or wants to know the rating, or wants to find out other seasons, well, Teleportal is the perfect app for this purpose. Not just that you can also save shows as your favorite and view them later.

Intended User

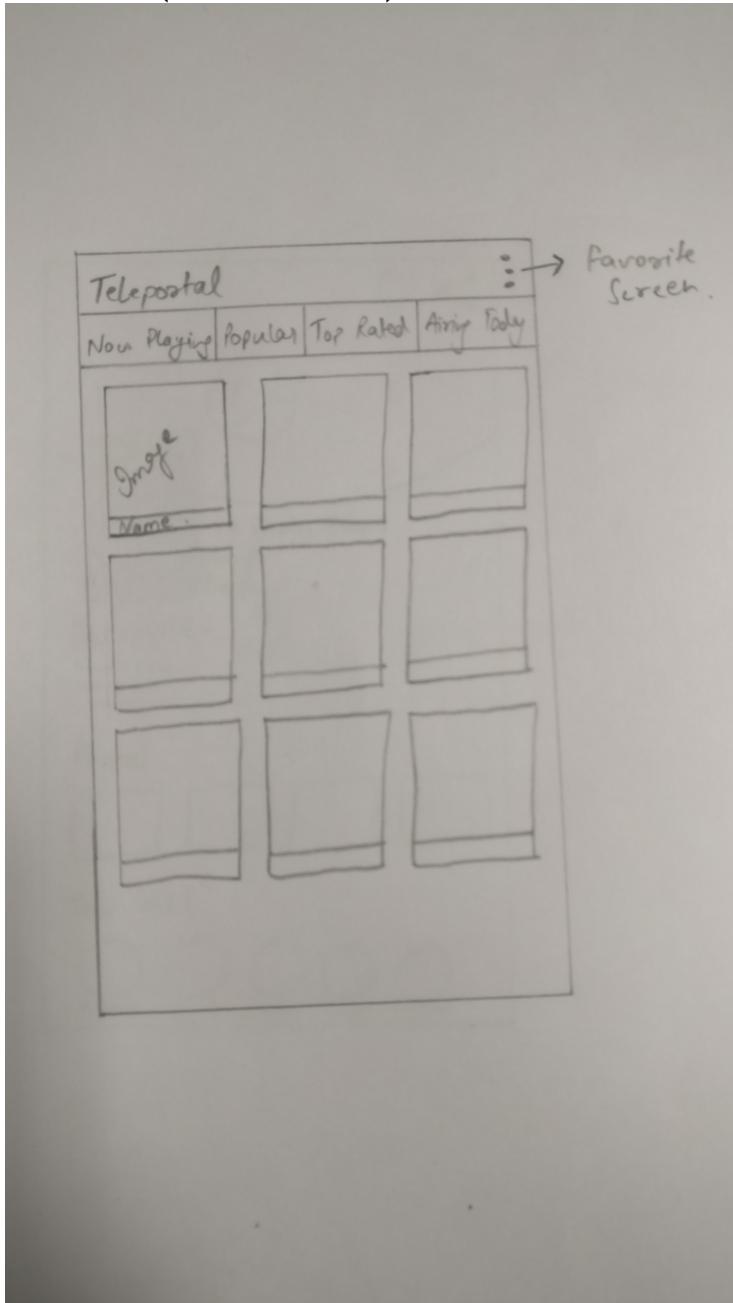
Any youngster or adult who finds himself/herself interested in TV shows more than just watching them.

Features

- Lists popular , top rated , airing today and now playing tv shows.
- Shows the cast featuring in the TV show.
- Lists all the seasons of a particular tv show.
- Photos of tv shows.
- Favorite Screen for users to save their favorite tv show.
- Gallery screen to download photos of tv shows.

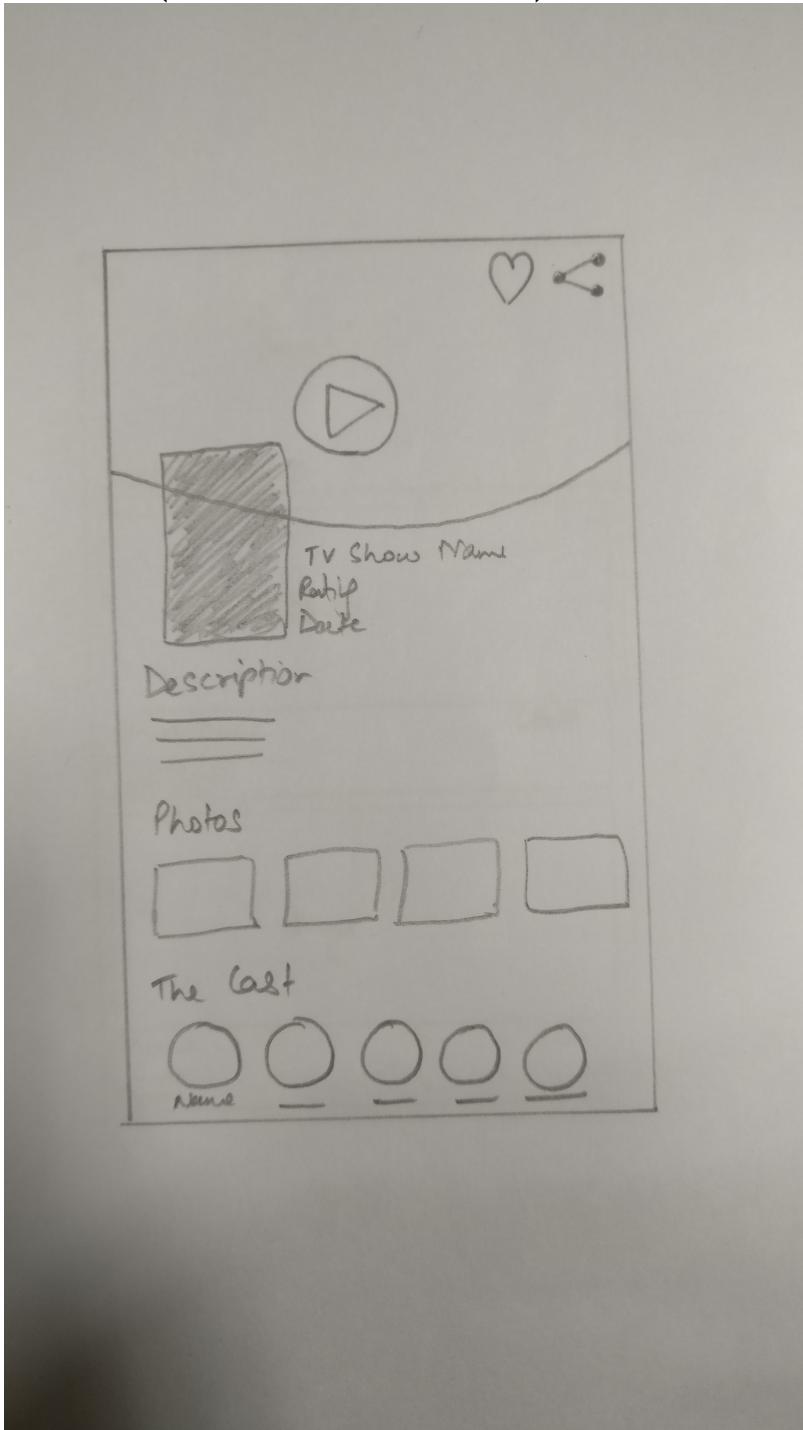
User Interface Mocks

Screen 1 (Home Screen)



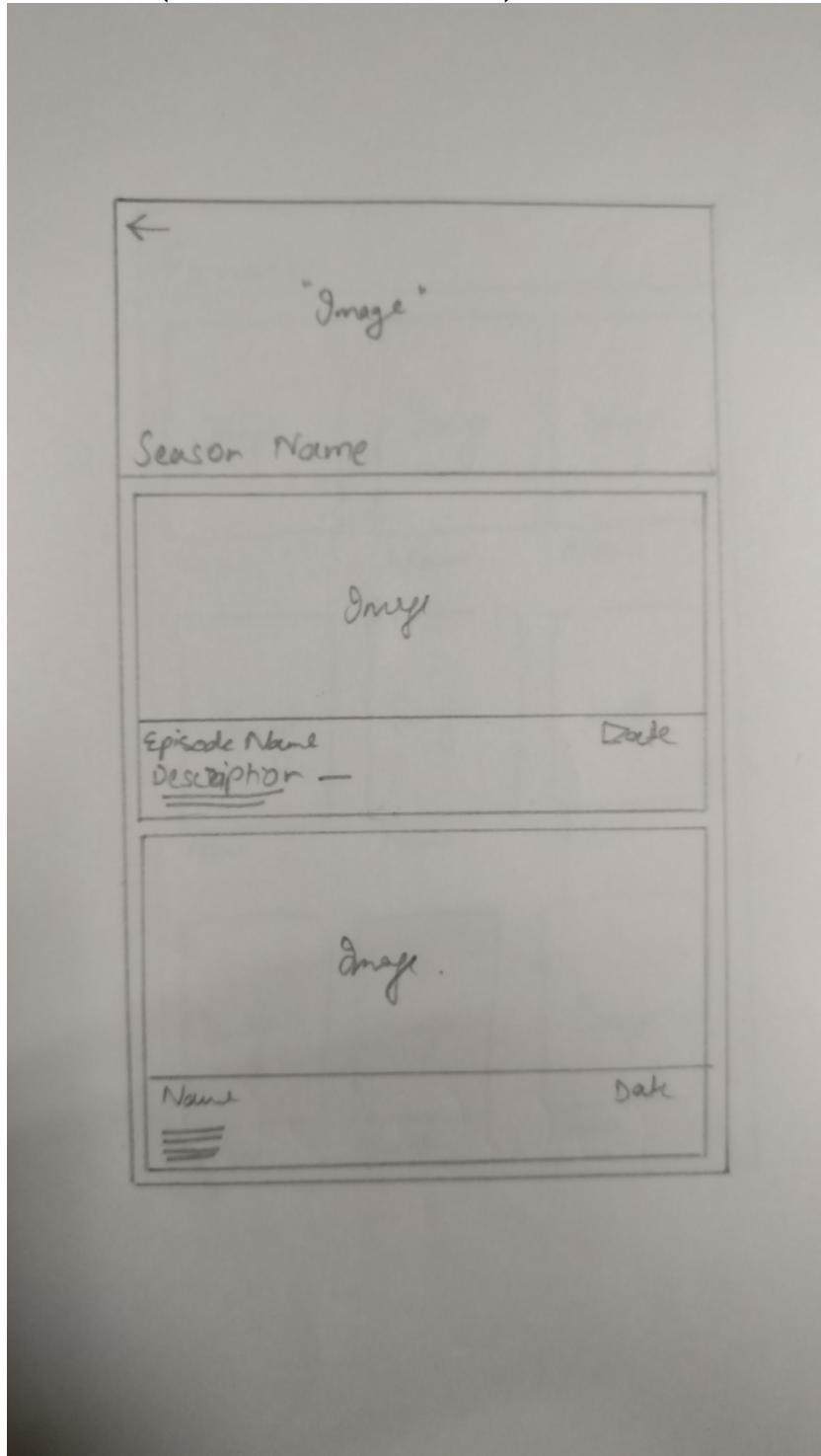
It's the first screen that the app opens to. It's a tabbed screen which highlights different categories of TV shows, such as popular, top rated etc.
Clicking on any tv show will navigate to TV show detail screen.

Screen 2 (TV Show Detail Screen)



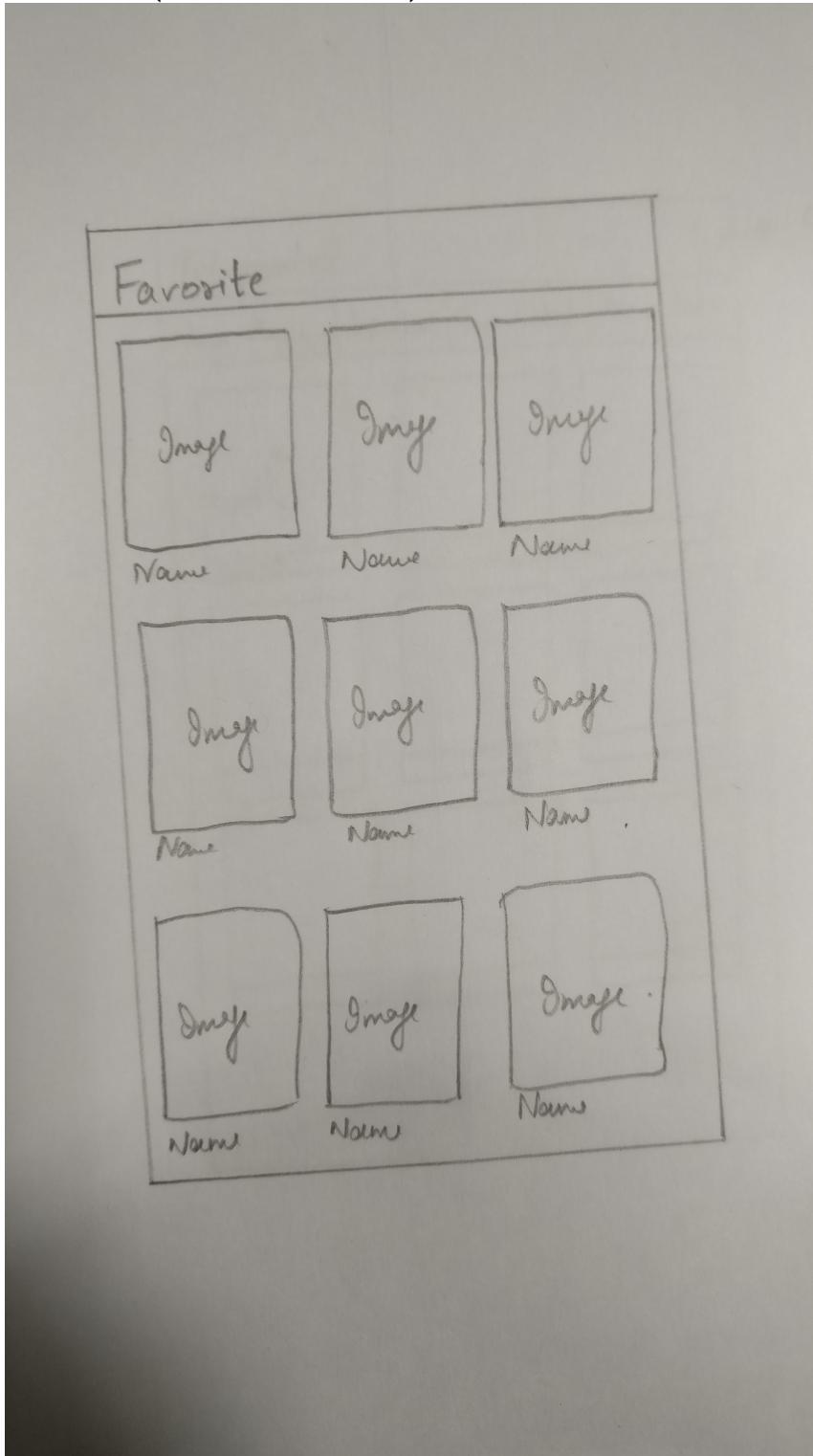
This is the TV Show detail screen where you'll find all the details of a particular tv show. You can add a tv show as your favorite from this screen or share it to your friends.

Screen 3 (Season Detail Screen)



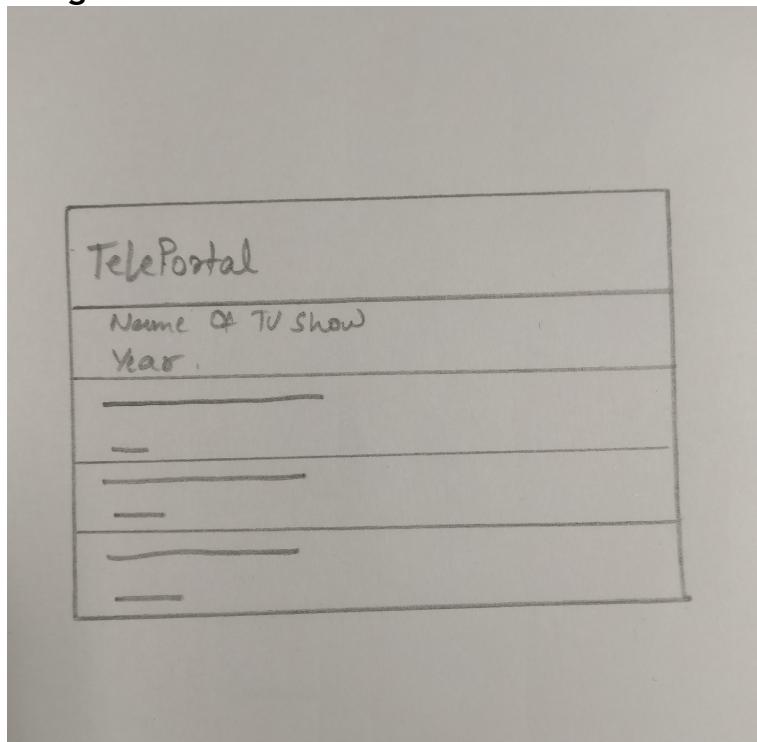
This screen shows all the episodes in a list of a particular season of a specific tv show. You can find the name and description of the episodes here.

Screen 4 (Favorite Screen)



This screen shows the list of favorite TV shows that the user has marked as favorite. On clicking a tv show card, it will navigate to tv show detail screen.

Widget



Widget will show a list of favorite tv shows.

Key Considerations

How will your app handle data persistence?

The app will have a content provider to save data for favorite TV shows and will use loader to fetch data from database.

Describe any edge or corner cases in the UX.

If the url of image breaks or there is some internet issue, then the image holder would appear blank.

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

Picasso library for loading and caching images.
Retrofit for fetching data from server.

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

App will use Admobs for ads and Google Analytics for analytics.

Required Tasks

Task 1: Project Setup

- Get API Key
- Add API key in build.gradle
- Configure libraries

Task 2: Implement UI for Each Activity and Fragment

- Build UI for Home Screen
- Build UI for TV Show detail screen
- Build UI for Season detail screen
- Build UI for Favorite screen

Task 3: Fetch Data from Server (API)

- Use Retrofit library and fetch data from the server
- Use data from the server and show it on the particular screens

Task 4: Implement Ads and Analytics

- Setup Admob and Analytics
- Integrate admob and analytics into the project

Task 5: Create Widget

- Create Widget UI
- Show favorite TV shows on the widget

Task 6: Implement AsyncTask to download show's images

- Create Gallery Screen for TV Show photos
- Implement AsyncTask for download feature.