Project Report Template

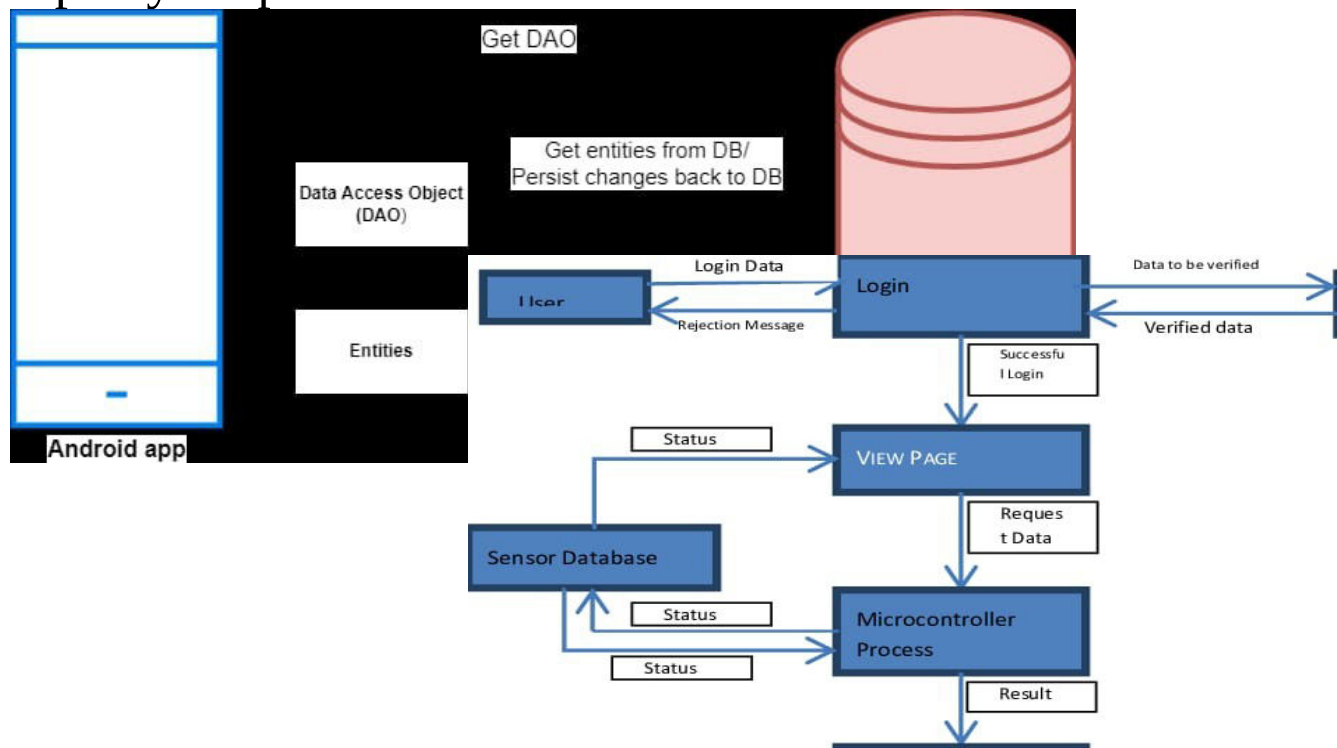## 1. Introduction
1.1 Overview

Podcasts have grown in popularity, and so have the ways to listen to them. The top Podcast apps come with personalized playlists, offline listening, bonus content, and more .A project that demonstrates the use of android jatpack compose to build UI for the podcast player app. The app allows the user to choose, play and pause podcasts.
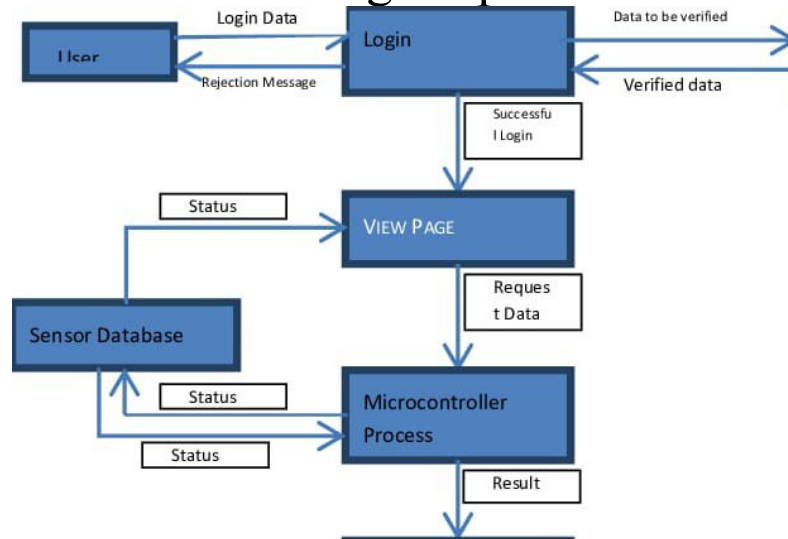
1.2 Purpose

The purpose of a Redux- inspired podcast app with dynamic theme for Android would be to provide users with a seamless and customizable podcast listening experience.By using Redux, we can ensure that our app's state is predictable and easy to manage, making it easier to add new features and make changes in the future.A dynamic theme feature would allow users to customize the app's appearance to their liking, making it more visually appealing and personalized. This can enhance the user experience and make the app more engaging and enjoyable to use. Overall, the goal of this type of app would be to provide a high-quality, user-friendly podcast listening experience that is tailored to the individual user's preferences.

2. Problem Definition & Design Thinking

2.1 Empathy Map

2.2 Ideation & Brainstorming Map

3. Result
3.1 Data Model

Obj 1-Field Label & Datatype

Obl 2-Field Label & Datatype

4. Trailhead Profile Public URL

Team Lead- Muthukumar .D

Team Member 1- Muthukumar. M

Team Member 2- Mohammad Haji . F.M

Team Member 3-Mohammad Yassin. A

5.Advantages & Disadvantages

Advantages- Customizability: A dynamic theme allows users to customize the look and feel of the app to their preferences. This means users can choose a theme that suits their mood, time of day, or visual preferences.Eye Strain Reduction: With a dynamic theme, the app can switch between light and dark modes, making it easier on the eyes during different times of the day or lighting conditions.

Diadvantage-Increased Battery Usage: If the dynamic theme requires constant updating or frequent changes, it may consume more battery power, reducing the overall battery life of the device.Increased Data Usage: If the dynamic theme requires downloading new assets or content, it may increase the data usage of the app, which can be a concern for users on limited data plans.

6.Application

Personalization: A dynamic theme can allow users to personalize the app to their preferences, creating a more engaging and enjoyable listening experience.Branding: A dynamic theme can also help podcast creators or publishers to establish their brand identity and create a consistent visual language across their content.

7.Conclusion

a podcast app with a dynamic theme for Android can provide several benefits, including personalization, branding, accessibility, and engagement. Users can customize the look and feel of the app to their preferences, while podcast creators can establish their brand identity and create a consistent visual language across their content. However, there may also be potential disadvantages, such as increased battery and data usage, compatibility issues, and performance issues. Overall, a well-designed dynamic theme can enhance the overall user experience, making the app more enjoyable to use and increasing user engagement with the content.

8.Future Scope

The future scope of a podcast app with dynamic theme for Android is promising, as it can provide several opportunities for growth and innovation. Some potential future applications of this technology include.Artificial Intelligence (AI) Integration: AI algorithms can be integrated into the app to provide personalized recommendations and dynamic themes based on users' listening habits, preferences, and mood.Virtual Reality (VR) and Augmented Reality (AR) Integration: Dynamic themes can be enhanced with VR or AR technology to create immersive listening experiences, allowing users to feel like they are in the same room as their favorite hosts or guests.