

Project Report Template

1 INTRODUCTION

1.1 Overview

This project is a podcast player app built using Kotlin programming language. The app allows users to browse and listen to their favourite podcasts on their mobile devices. The app provides a user-friendly interface with features such as play a episodes for offline listening. A project that demonstrates the use of Android Jetpack Compose to build a UI for a podcast player app. The app allows users to choose, play and pause podcasts.

1.2 Purpose

The purpose of KotlinCast is to provide a convenient and user-friendly platform for podcast lovers to access their favourite shows and episodes in one place. With the increasing popularity of podcasts, there is a need for a dedicated app that provides a seamless listening experience and helps users discover new shows.

2 Problem Definition & Design Thinking

2.1 Empathy Map

- 1.Required initial steps
- 2.Creating a new project.
- 3.Adding required dependencies.
- 4.Creating the database classes.
- 5.Building application UI and connecting to database.
- 6.Modifying AndroidManifest.xml
- 7.Running the application.

2.2 Ideation & Brainstorming Map

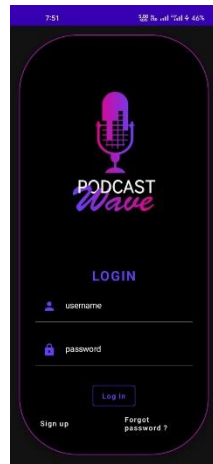


3 RESULT

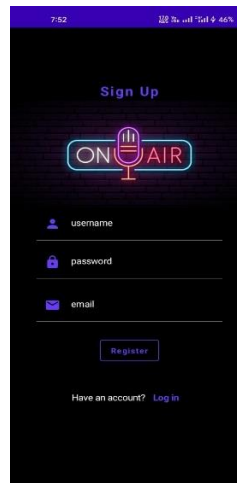
3.1 Data Model:

	Fields in the Object		
LoginActivity			
	Field label	Data type	
	Username	String	
	Password	String	
	Error	String	
User			
	Field label	Data type	
	id	Int	
	firstName	String	
	lastName	String	
	Email	String	
	Password	String	
RegisterActivity	Field label	Data type	
	Username	String	
	Password	String	
	Email	String	

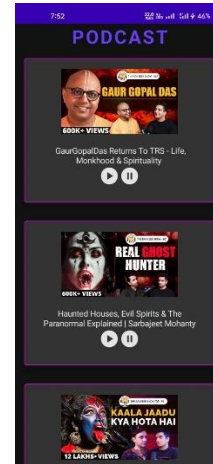
3.2 Activity & Screenshot



Login page



Sign up page



Main page

4 Trailhead Profile Public URL

Team Lead - <https://trailblazer.me/id/sdhanush14>

Team Member 1 - <https://trailblazer.me/id/nkumar2915>

Team Member 2 - <https://trailblazer.me/id/pkumar4836>

5 ADVANTAGES & DISADVANTAGE

Advantages:

- Access to a wide range of content: Podcasts cover a diverse range of topics, from news and politics to comedy and entertainment. By creating a podcast app, you can provide users with easy access to this wide range of content.
- Personalized listening experience: A podcast app can provide users with a personalized listening experience by allowing them to subscribe to their favourite podcasts, create playlists, and receive recommendations based on their listening history.
- Improved security and privacy: With a login and signup feature, you can implement security measures such as password protection to protect user data and ensure privacy.

Disadvantages:

- Barriers to entry: Requiring users to create an account can be a barrier to entry for new users who may not want to go through the registration process.

6 APPLICATIONS

- ✓ Users register into the application.
- ✓ After registration, user logs into the application.
- ✓ User enters into the main page

- ✓ The app allows users to choose, play and pause podcasts.

7 CONCLUSION

Creating a simple podcast app with basic features like sign-up, login, and a main page with a podcast play and pause button is a great starting point. The app can be expanded in the future to include more features and functionalities, but even in its current form, it can provide a good user experience.

8 FUTURE SCOPE

In the future, there are many opportunities to expand and improve the app. Here are some possible areas for future development:

- ✓ Personalization: Allow users to personalize their experience by recommending podcasts based on their listening history and preferences.
- ✓ Social Sharing: Enable users to share their favorite podcasts with their friends on social media platforms.