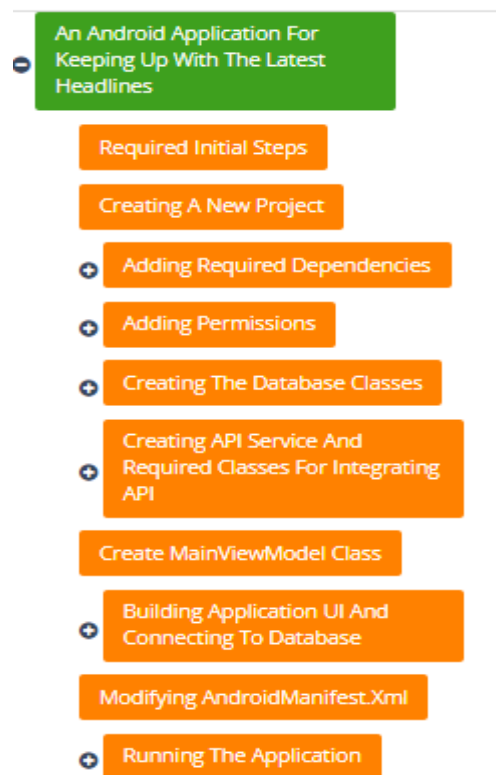# Project Report

1 INTRODUCTION

1.1 Overview

An android application to keep up with the latest headlines. This project uses kotlin for android development. We have used Jetpack Compose for UI design. We have used certain libraries such as Room, Retrofit and Coil. We have used NewsAPI.org to retrieve latest updates.

1.2 Purpose

This android application will help theuser to stay updated with latest news in India. Being built with Jetpack Compose it gives user a seamless experience.

2 Problem Definition & Design Thinking

2.1 Empathy Map

2.2 Ideation & Brainstorming Map

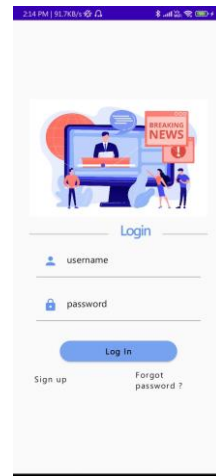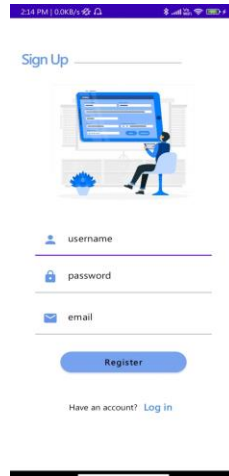|	Description
Personalized news feed	Use machine learning algorithms to analyze user behavior and suggest relevant news
Push notifications	Send push notifications for breaking news and live updates
Search function	Allow users to find specific news articles
Social media integration	allows users to share news articles on their social media
Save articles	Allow users to save articles for later

3   RESULT

3.1 Data Model:

Object name	Fields in the Object	
LoginActivity	**Field Label**	**Data Type**
	UserName	String
	Password	String
	Error	String
RegistrationActivity	**Field Label**	**Data Type**
	UserName	String
	Password	String
	Email	String
User	**Field Label**	**Data Type**
	Id	Int
	FirstName	String
	LastName	String
	Email	String
	Password	String

3.2 Activity & Screenshot

Attach the screenshots of your project activity along with the description.

Team Lead - **trailblazer.me/id/sathiya1809**

Team Member 1 -trailblazer.me/id/manju2409

Team Member 2 - **trailblazer.me/id/pooja2009**

Team Member 3 -trailblazer.me/id/roshini4079

5   ADVANTAGES & DISADVANTAGE

Advantantages:

- Access to wide range of categories of news like international, country, Sports, Science, etc.
- Personalised user experience. App can provide user personalised experience by choosing the categories mentioned above.
- Improved security feature. With user login and user registration, we can implement password protection to safeguard user data and privacy.

Disadvantages:

- New users may find the registration process annoying, since it takes a few minutes of their time.

6   APPLICATIONS
- User registers into the application.
- User logs into the application.
- User enters the main page where he can see headlines.
- User clicks on the headline for descriptive news.

7   CONCLUSION

Creating a simple news app with basic features such as register, login, displaying pictures, source and content. The app can be further expanded with lots of features that will make the app more advanced. But the current build of the app still performs well and provides good experience.

8   FUTURE SCOPE
- Enabling push notifications to stay up to date.
- Customisation as the user likes it.
- Social sharing, so the news can be shared to user's social circle.