AN ANDROID APPLICATION FOR KEEPING UP WITH THE LATEST HEADLINES :

1.INTRODUCTION

1.1 OVERVIEW

The app's main feature is displaying a list of news articles, each with a title, image, and brief description. Users can scroll through the list of articles and tap on an article to view more details.
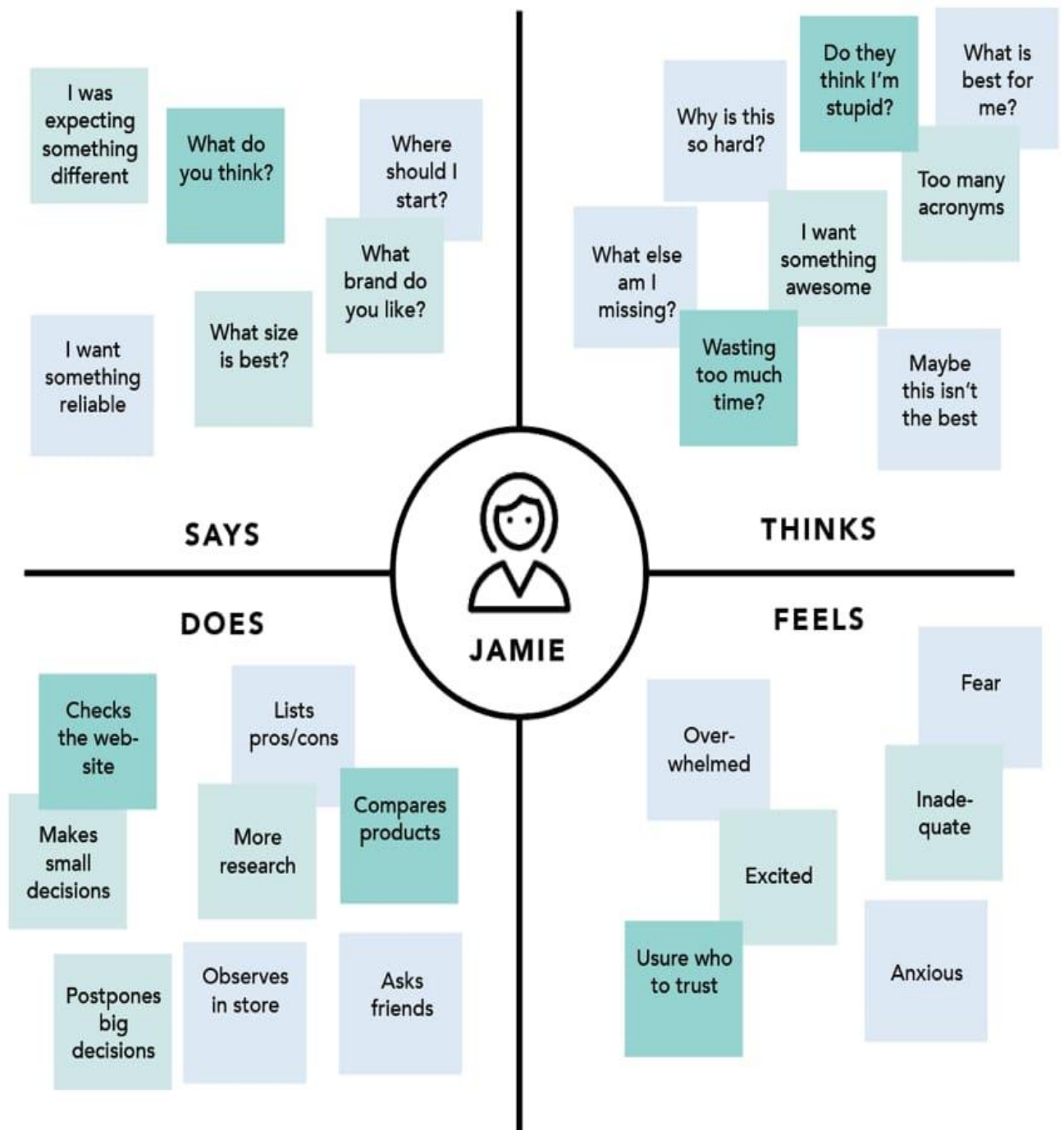
The app uses the Jetpack Compose UI toolkit to build the UI and it uses the coil library to loadimages. The app fetches data from a remote server using Retrofit library and demonstrates how to use the jetpack compose UI toolkit for android development.

1.2 PURPOSE

In this fast moving world where people find little time to spend with their own family, it is difficult to find time to read newspaper and stay updated with the current affairs. Reading newspaper might sometimes be time taking considering the size of the article. Sometimes people give the article a skip due to lethargy if it is too long. Information through listening and visuals is quickly perceived compared to reading. To make things easier, the NewsApp andoid application can be used to scan the headlines from the newspaper and fetch relevant videos from the world wide web.

2.PROBLEM DEFINITION& DESIGN THINKING

2.1 EMPATHY MAP

2.2 IDEATION& BRAINSTORMING MAP
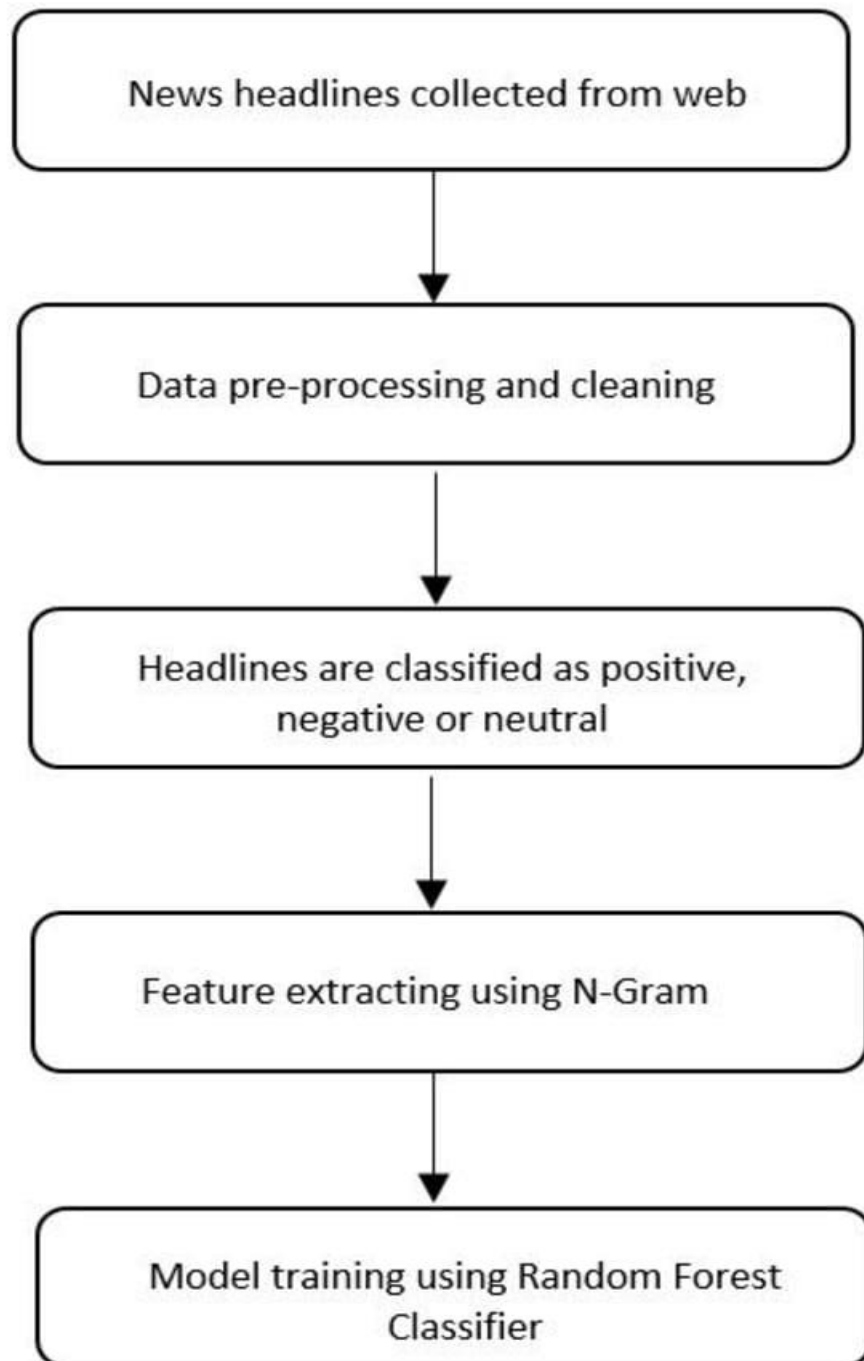
Main goal:

- ❖ Headlines must be accurate.
- ❖ Headlines should present as much information as possible in the space allowed. The more specific, the better.
- ❖ The job of a headline is to emphasize the important points of the news.
- ❖ Present tense is usually used to describe past events in headlines because it's the tense of immediacy. It's more vivid.
- ❖ Headlines should contain a verb.
- ❖ Headlines omit non-essential words.
- ❖ Headlines use short words.
- ❖ Headlines do not editorialize, unless they're on the editorial page. Headline writers must never, never, color the news.

Features:

- ❖ There is the main screen in this app.
- ❖ Login and sign up are required in the app.
- ❖ Users can see the real news with real-time updates.
- ❖ The app will show category-wise news.
- ❖ Auto update news because it fetch news from API
- ❖ Users can see the news according to their interests.
- ❖ Users can publish their own articles.
- ❖ Users can add images to their articles.
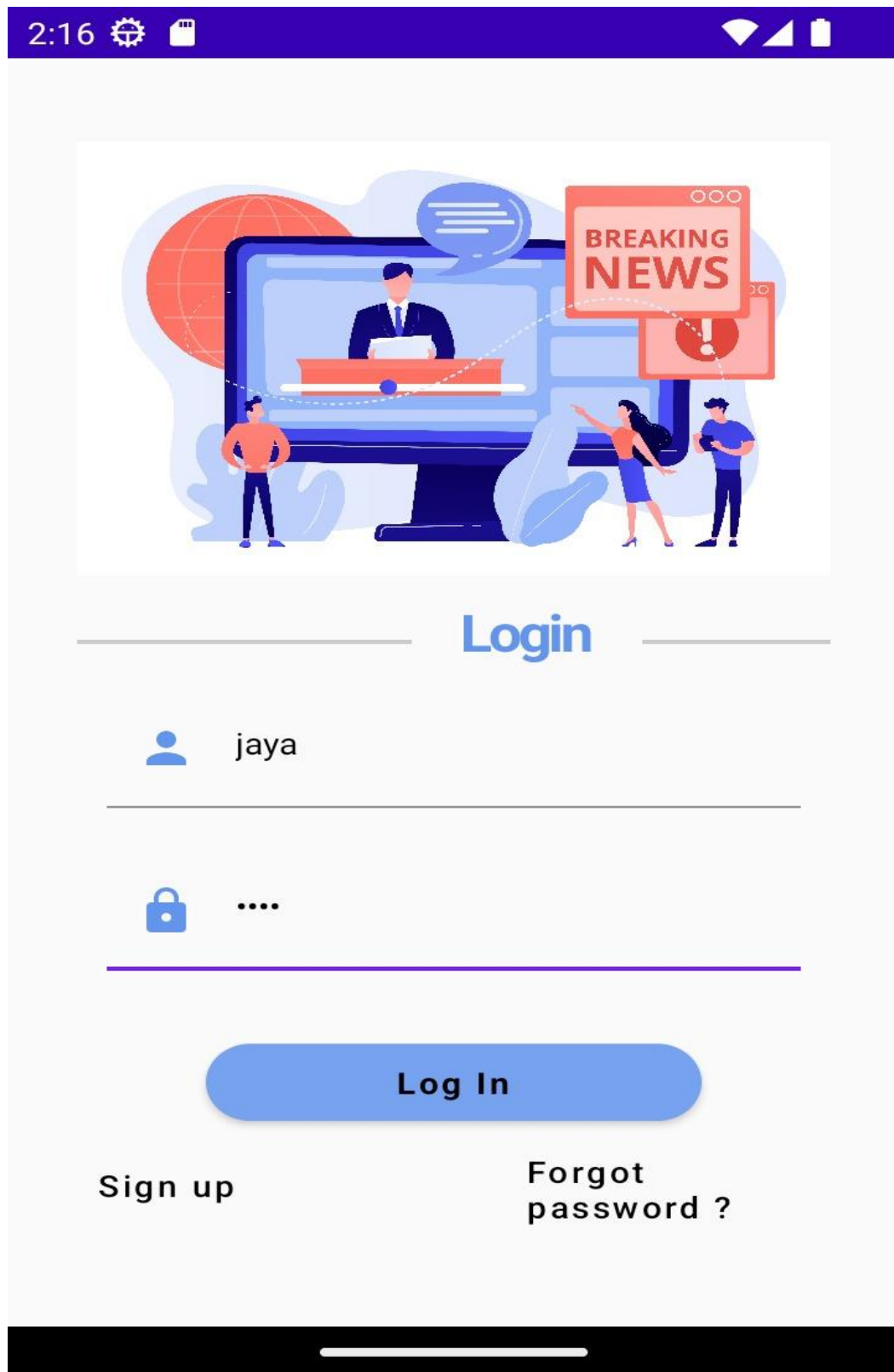- ❖ Users can see the articles published by other users

3. RESULT

3.1 DATA MODEL

```
┌─────────────────────────────────────────┐
│     News headlines collected from web    │
└─────────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────────┐
│      Data pre-processing and cleaning    │
└─────────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────────┐
│   Headlines are classified as positive,  │
│           negative or neutral            │
└─────────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────────┐
│      Feature extracting using N-Gram     │
└─────────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────────┐
│    Model training using Random Forest    │
│                Classifier                │
└─────────────────────────────────────────┘
```

3.2 ACTIVITY &SCREENSHOT

LOGIN PAGE

REGISTER PAGE

Sign Up

jaya

••••

jayakrishna@gmail.com

Register

2:16

Latest NEWS

UK inflation rate surprises again with March figure holding above 10% - CNBC

U.K. inflation unexpectedly remained in double-digits in March as households continued to grapple with

T-rex skeleton: only the third such creature ever put on auction & the first one in Europe | Details - WION

null

Tesla cuts prices for Model 3, Model Y on eve of Q1 earnings - TechCrunch

All eyes are on Tesla's margins as the automaker continues to slash electric vehicle prices in

LOCATION PAGE

4. TRAILHEAD PROFILE PUBLIC URL

Team Lead   -   https://trailblazer.me/id/b3year

Team Member 1   -   https://trailblazer.me/id/pdharshinir3bsccs

Team Member 2   -   https://trailblazer.me/id/jkrishna122

Team Member 3 -   https://trailblazer.me/id/jjaga8

5. ADVANTAGES &DISADVANTAGE

4.1 ADVANTAGES OF AN ANDROID APPLICATION FOR KEEPING UP WITH THE LATEST HEADLINES

- ❖ There are several advantages to having an Android application for keeping up with the latest headlines, including:

- ❖ Convenience: An Android application for news allows users to stay up-to-date with the latest headlines and news stories conveniently and easily from their mobile devices.

- ❖ Real-time updates: With an Android app for news, users can receive real-time updates on breaking news stories, ensuring they never miss important events or developments.

- ❖ Customization: Many Android news apps allow users to customize their news feeds based on their interests, location, and other preferences. This ensures that users receive news stories that are relevant to them.

- ❖ Multiple sources: Android news apps often provide access to multiple news sources, allowing users to get a more comprehensive view of the news and different perspectives on the same stories.

- ❖ Multimedia content: Many Android news apps also provide multimedia content such as videos and images, making the news more engaging and accessible.

- ❖ Offline reading: Some Android news apps allow users to download news stories for offline reading, allowing them to catch up on the latest news even when they don't have an internet connection.

❖ Notifications: Android news apps can send notifications to users when important news stories break or when there are updates to stories they have been following, ensuring they are always informed about the latest developments.

❖ Overall, an Android application for keeping up with the latest headlines can provide a convenient and customized way for users to stay informed about the news and events that matter most to them.

4.2 DISADVANTAGES OF AN ANDROID APPLICATION FOR KEEPING UP WITH THE LATEST HEADLINES

❖ One potential disadvantage for an Android application designed for keeping up with the latest headlines is that it may be limited in terms of the sources it draws news from. Depending on the app's design and the resources available to its developers, it may only be able to pull news stories from a limited number of sources or rely on a single news provider. This could result in a narrow perspective on news and events, and could limit the app's usefulness to users who are interested in a wide range of topics and viewpoints.

❖ Another potential disadvantage is that the app may not be able to provide truly up-to-the-minute coverage of breaking news. This is because the app will need time to pull in news stories and update its content, which could take several minutes or longer. This delay could be frustrating for users who want to stay on top of rapidly developing events.

❖ Finally, depending on the app's design, it may be vulnerable to issues related to privacy and data security. For example, if the app requires users to create an account or provide personal information, this could put their data at risk if the app's security measures are not robust enough. Additionally, if the app collects data about users' reading habits or other behaviors, this could raise concerns about privacy and data use

5. APPLICATIONS

This application helps you organize, find, and understand the news. You can change your settings to find more stories you want. Important: many of these features are available.

6. CONCLUSION

In project work, an attempt has been made to develop a News or information Based website. We develop this project that helps the people and make them aware so that they can know any news. To establish this Website we use various methodologies. To develop this project we have faced many problem but we hardly tried to develop this project. Our supervisor helps us by giving his valuable opinion, decision and time.

7.FUTURE SCOPE

Newspapers around the world are struggling to survive while competing with websites that offer comparable news more quickly and without a subscription fee. Many newspapers have embraced the Internet and use their own websites to post news, but their online revenue is a fraction of what they get from print advertising and subscriptions. Newspapers are losing money and one by one they are going bankrupt.

8. APPENDICES

A. SOURCECODE

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">
    <uses-permission android:name="android.permission.INTERNET"/>
    <uses-permission android:name="android.permission.ACCESS_WIFI_STATE"/>
    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@drawable/news_app_icon"
        android:label="@string/app_name"
        android:supportsRtl="true"
        android:theme="@style/Theme.NewsHeadlines"
        tools:targetApi="31">
        <activity
            android:name=".DisplayNews"
            android:exported="false"
            android:label="@string/title_activity_display_news"
            android:theme="@style/Theme.NewsHeadlines" />
        <activity
            android:name=".RegistrationActivity"
            android:exported="false"
```

```xml
                android:label="@string/title_activity_registration"
                android:theme="@style/Theme.NewsHeadlines" />
        <activity
                android:name=".MainPage"
                android:exported="false"
                    android:label="@string/title_activity_main_page"
                android:theme="@style/Theme.NewsHeadlines" />
        <activity
                android:name=".LoginActivity"
                android:exported="true"
                android:label="@string/app_name"
                android:theme="@style/Theme.NewsHeadlines">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>
```