Cultural Compass

Project Report

TEAM MEMBERS:

1.)R.S.Logasubramaniyan 20BME0566

logasubramaniyan.rs2020@vitstudent.ac.in

VIT VELLORE

2.)Rahul Raajan 20BEC0449

rahulraajan.s2020@vitstudent.ac.in

VIT VELLORE

3.)Tamilzharasan s 20MIS0420

tamizharasn.s2020@vitstudent.ac.in

VIT VELLORE

4.)Taj tanveer shirajbhai 20BCG10092

taj.tanveer2020@vitbhopal.ac.in

VIT BHOPAL

1. INTRODUCTION

1.1 Overview

Cultural Compass is a mobile application designed to provide users with information about culturally rich cities around the world. The app aims to serve as a virtual guide, offering insights into the historical significance, traditions, art, cuisine, festivals, and other cultural aspects of various cities.

1.2 Purpose

The purpose of Cultural Compass is to enhance the travel experience for users by helping them explore and appreciate the cultural heritage of different cities. It enables users to discover lesser-known cultural gems, plan their itineraries, and gain a deeper understanding of the destinations they visit.

2. LITERATURE SURVEY

2.1 Existing problem

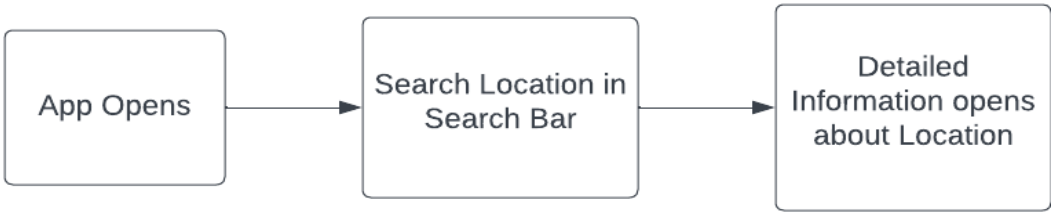
Existing approaches to addressing the need for cultural information about cities include travel guidebooks, online travel forums, and websites. However, these sources often provide fragmented or outdated information, making it challenging for travellers to access comprehensive and reliable cultural insights in one place.

2.2 Proposed solution

Cultural Compass addresses the existing problem by offering a user-friendly mobile application that curates up-to-date and accurate cultural information about cities worldwide. It combines the convenience of a digital platform with curated content from reputable sources to provide users with a comprehensive cultural guide in their pockets.

3. THEORETICAL ANALYSIS

3.1 Block diagram



3.2 Hardware / Software designing

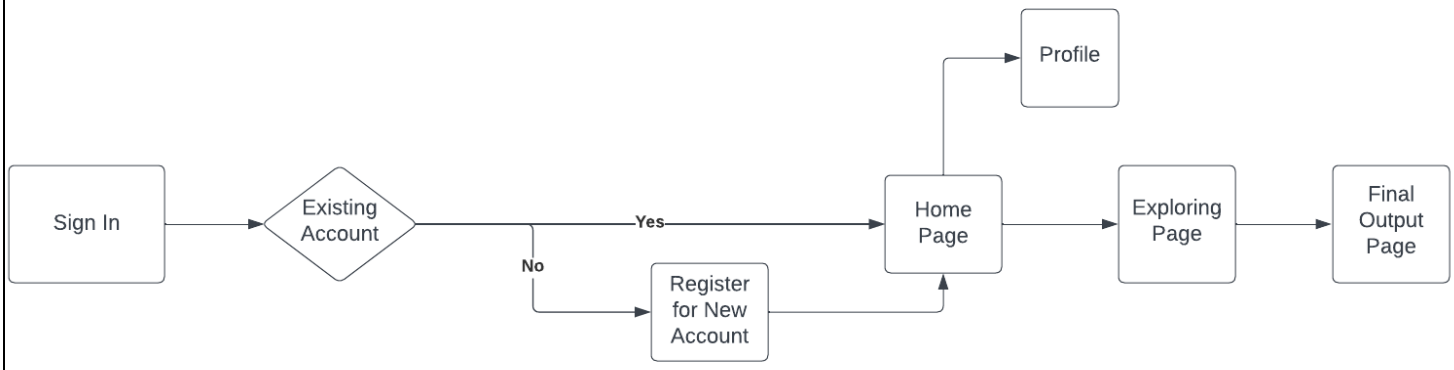
Cultural Compass is primarily a software-based solution that runs on mobile devices. It is designed to be compatible with both iOS and Android platforms, making it accessible to a wide range of users. The app utilizes various software development tools, frameworks, and APIs to deliver its features and functionality.

4. EXPERIMENTAL INVESTIGATIONS

During the development of Cultural Compass, several investigations were conducted to ensure the accuracy and relevance of the cultural information provided. These investigations involved:

1. Collecting data from reliable sources, including cultural organizations, tourism boards, local experts, and scholarly references.
2. Validating the accuracy of information through cross-referencing multiple sources and conducting fact-checking processes.
3. Incorporating user feedback and suggestions to improve the app's content and features.

5. Flowchart

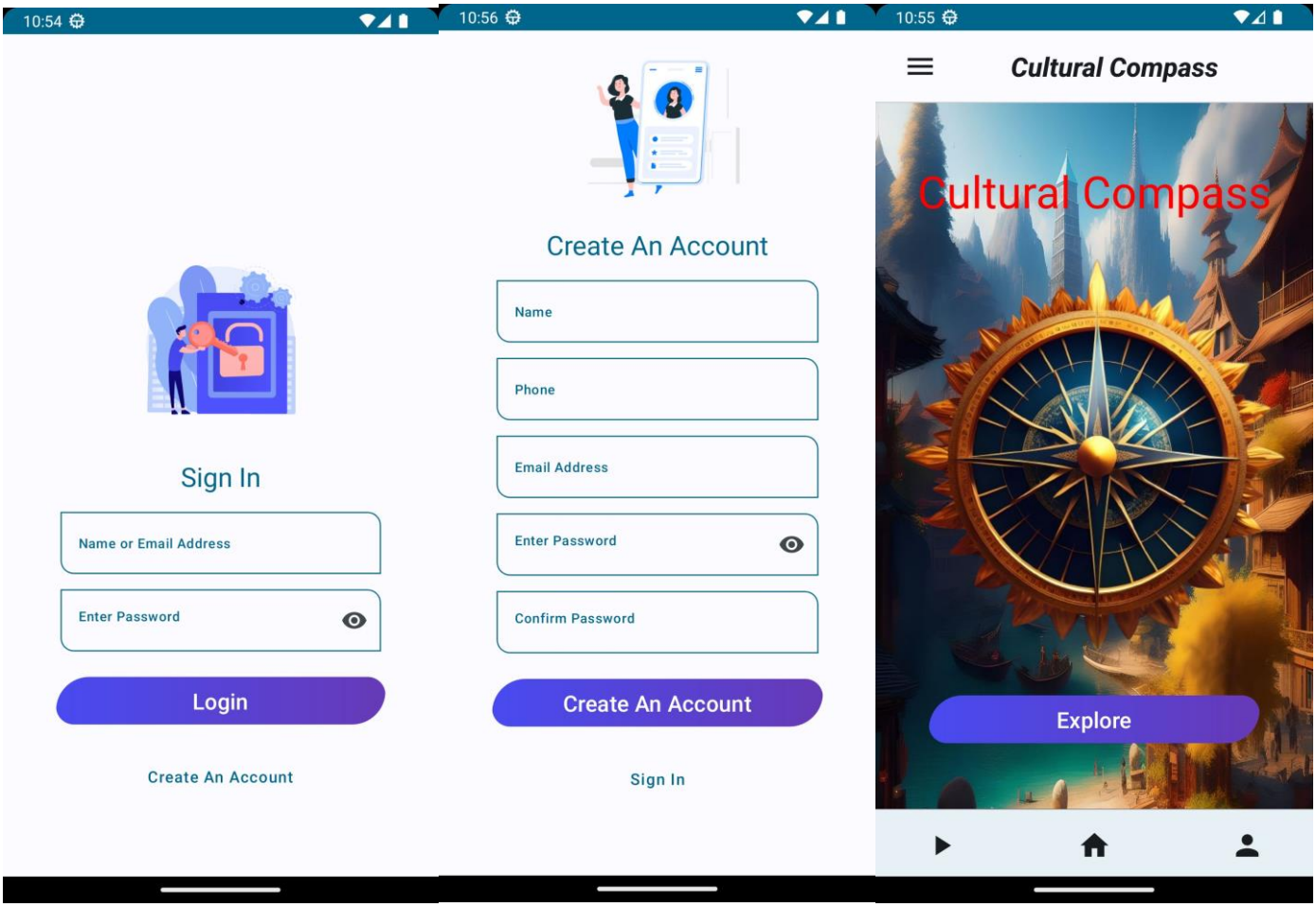


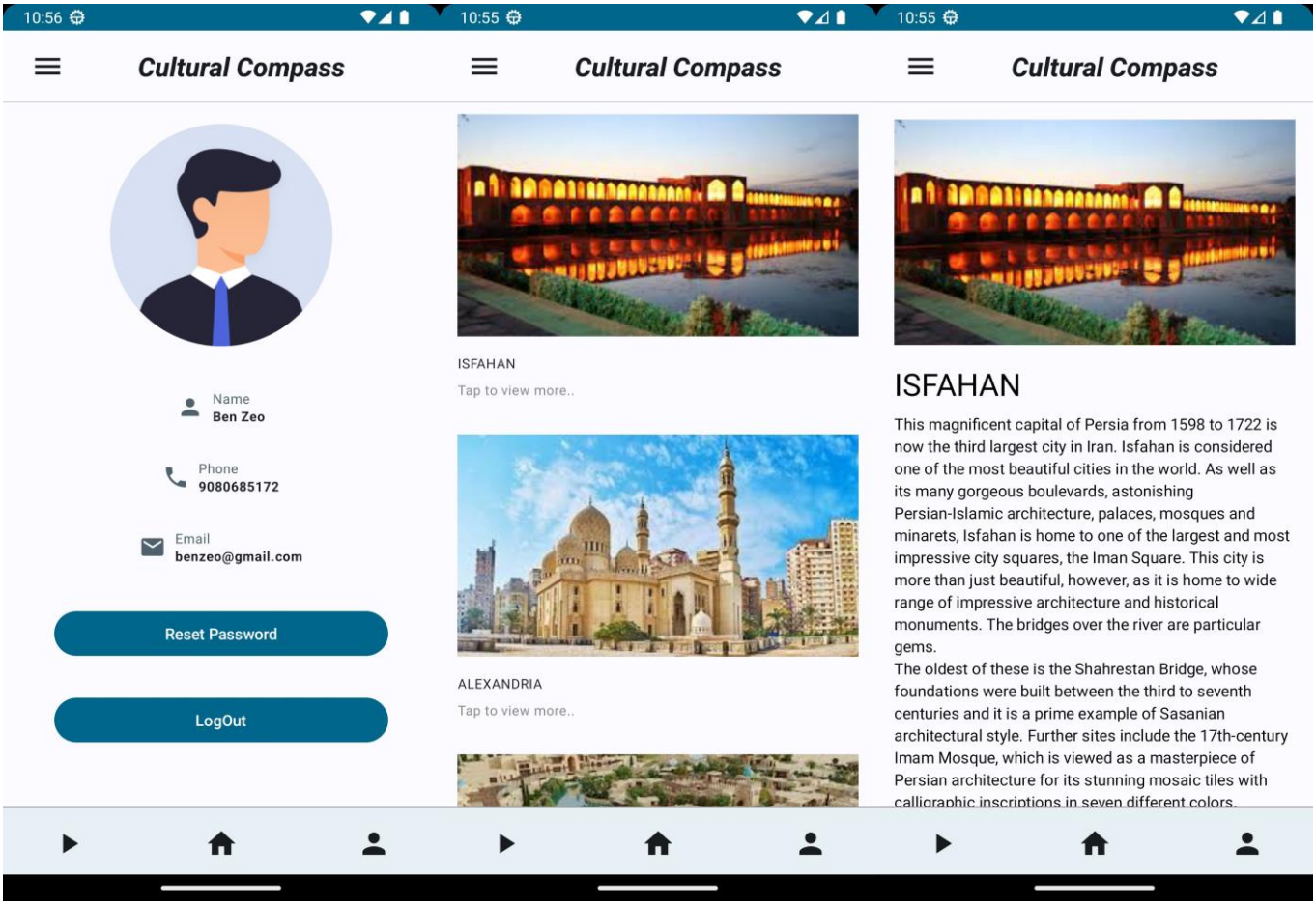
6. RESULT

The final version of Cultural Compass showcases the following key features:

1. City profiles providing an overview of cultural highlights, historical landmarks, and famous festivals.
2. Interactive maps highlighting cultural attractions, museums, galleries, and theatres.
3. Recommendations for local cuisine, traditional crafts, and cultural experiences.
4. User-generated content, such as reviews, ratings, and personalized travel itineraries.

IMAGES OF THE OUTPUT,


10:54
Sign In
Name or Email Address
Enter Password
Login
Create An Account
10:56
Create An Account
Name
Phone
Email Address
Enter Password
Confirm Password
Create An Account
Sign In
10:55
Cultural Compass
Cultural Compass
Explore


10:56
Cultural Compass
Name
Ben Zeo
Phone
9080685172
Email
benzeo@gmail.com
Reset Password
LogOut
10:55
Cultural Compass
ISFAHAN
Tap to view more..
ALEXANDRIA
Tap to view more..
10:55
Cultural Compass
ISFAHAN
This magnificent capital of Persia from 1598 to 1722 is now the third largest city in Iran. Isfahan is considered one of the most beautiful cities in the world. As well as its many gorgeous boulevards, astonishing Persian-Islamic architecture, palaces, mosques and minarets, Isfahan is home to one of the largest and most impressive city squares, the Iman Square. This city is more than just beautiful, however, as it is home to wide range of impressive architecture and historical monuments. The bridges over the river are particular gems.
The oldest of these is the Shahrestan Bridge, whose foundations were built between the third to seventh centuries and it is a prime example of Sasanian architectural style. Further sites include the 17th-century Imam Mosque, which is viewed as a masterpiece of Persian architecture for its stunning mosaic tiles with calligraphic inscriptions in seven different colors.

7. ADVANTAGES & DISADVANTAGES

7.1 Advantages:

1. Convenient access to comprehensive cultural information in a single app.
2. Real-time updates ensure that users have the latest insights about cultural events and attractions.
3. User-generated content fosters community engagement and provides diverse perspectives.

7.2 Disadvantages:

1. Dependence on internet connectivity may limit access to the app's features in areas with poor network coverage.
2. The availability and accuracy of cultural information may vary across different cities and regions.
3. Limited availability of translations for non-English-speaking users.

8. APPLICATIONS

The Cultural Compass app can find applications in various areas, including:

1. Tourism and travel industry: Enhancing tourists' experiences by providing cultural insights and recommendations.
2. Education: Acting as a learning tool for students and researchers
3. Cultural preservation: Promoting awareness and appreciation of cultural heritage, thus contributing to its preservation.
4. Community engagement: Facilitating interactions between locals and travellers, fostering cultural exchange and understanding.

9. CONCLUSION

In conclusion, Cultural Compass offers a convenient and comprehensive solution for exploring culturally rich cities around the world. By providing up-to-date and reliable cultural information, the app aims to enhance users' travel experiences, foster cultural appreciation, and promote intercultural understanding.

10. FUTURE SCOPE

- While the current version of Cultural Compass offers valuable features, there are several areas for future enhancement, such as:
- Expansion of language support to cater to a wider user base.
- Collaboration with local cultural organizations to provide exclusive content and discounts.
- Social media integration for seamless sharing of cultural experiences and recommendations.

11. BIBLIOGRAPHY

Reference:

https://www.geeksforgeeks.org/scaffold-in-android-using-jetpack-compose/

https://github.com/florent37/Navigator/blob/master/navigator/src/main/java/com/github/florent37/navigator/Navigator.kt

https://stackoverflow.com/questions/67260098/how-to-pass-the-value-of-a-variable-in-one-class-to-another-in-kotlin

https://www.tripadvisor.in/

https://theculturetrip.com/europe/italy/articles/the-15-most-cultured-cities-in-the-world/

https://theculturetrip.com/south-america/peru/articles/the-10-most-historical-cities-in-the-world/

Source code:

Link of repo with kotlin source code file is given below,

https://github.com/Logu10/Final-rpoject.git