# وَأَتِمُّوا الْحَجَّ وَالْعُمْرَةَ لِلَّهِ

An application that helps complete the Hajj and Umrah journey easily and enjoyably

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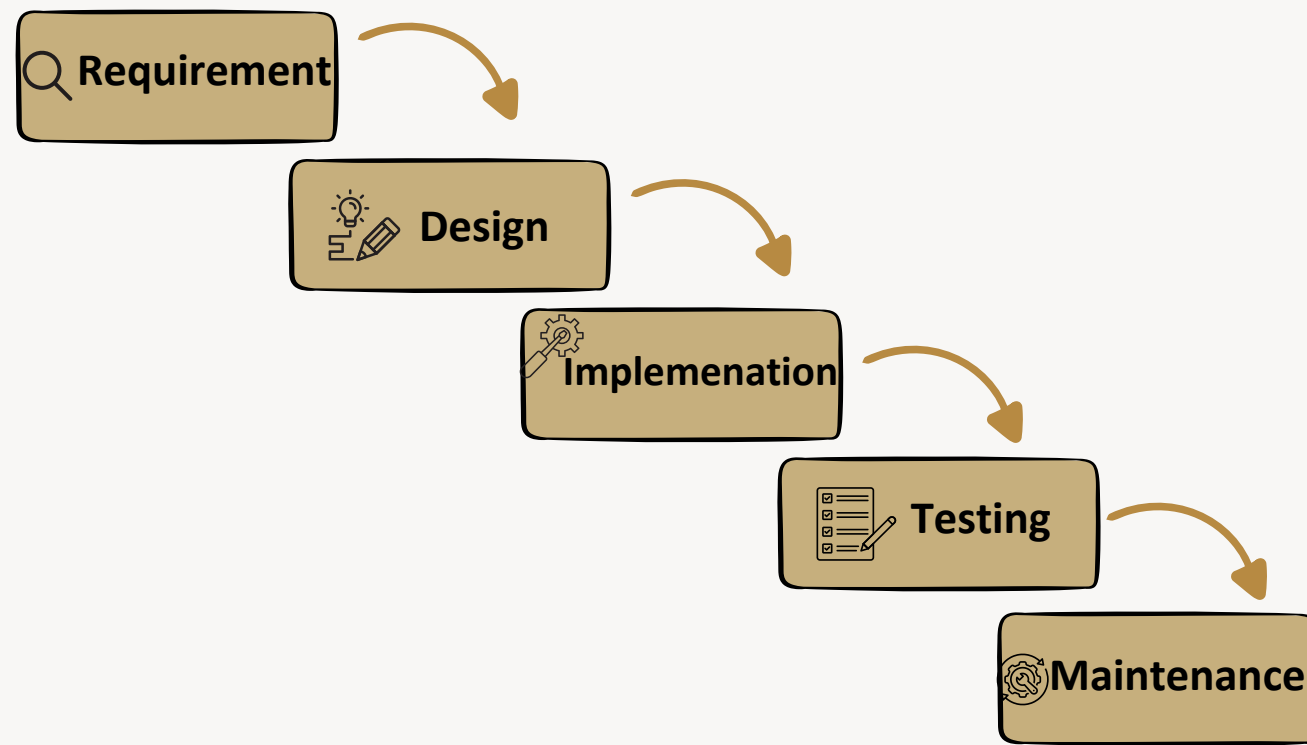
## Abstract

The application is designed to enhance the Hajj and Umrah experience, and address the challenges posed by the large number of pilgrims, time constraints, and unfamiliar locations. In line with Saudi Vision 2030, the Pilgrimage Experience Program aims to enhance pilgrim journeys through cutting-edge services and digital innovation. The dedicated mobile application acts as a personal assistant, addressing issues such as getting lost by using automatic corneal recognition of missing pilgrims and instant translation into 5 different languages to enhance communication.

## Objectives

- Develop an application for pilgrims to enhance their journey.
- Provide guidance on Hajj and Umrah rituals.
- Enable seamless communication among pilgrims.
- Translate various languages for better interaction.
- Prevent pilgrims from getting lost through photo identification.
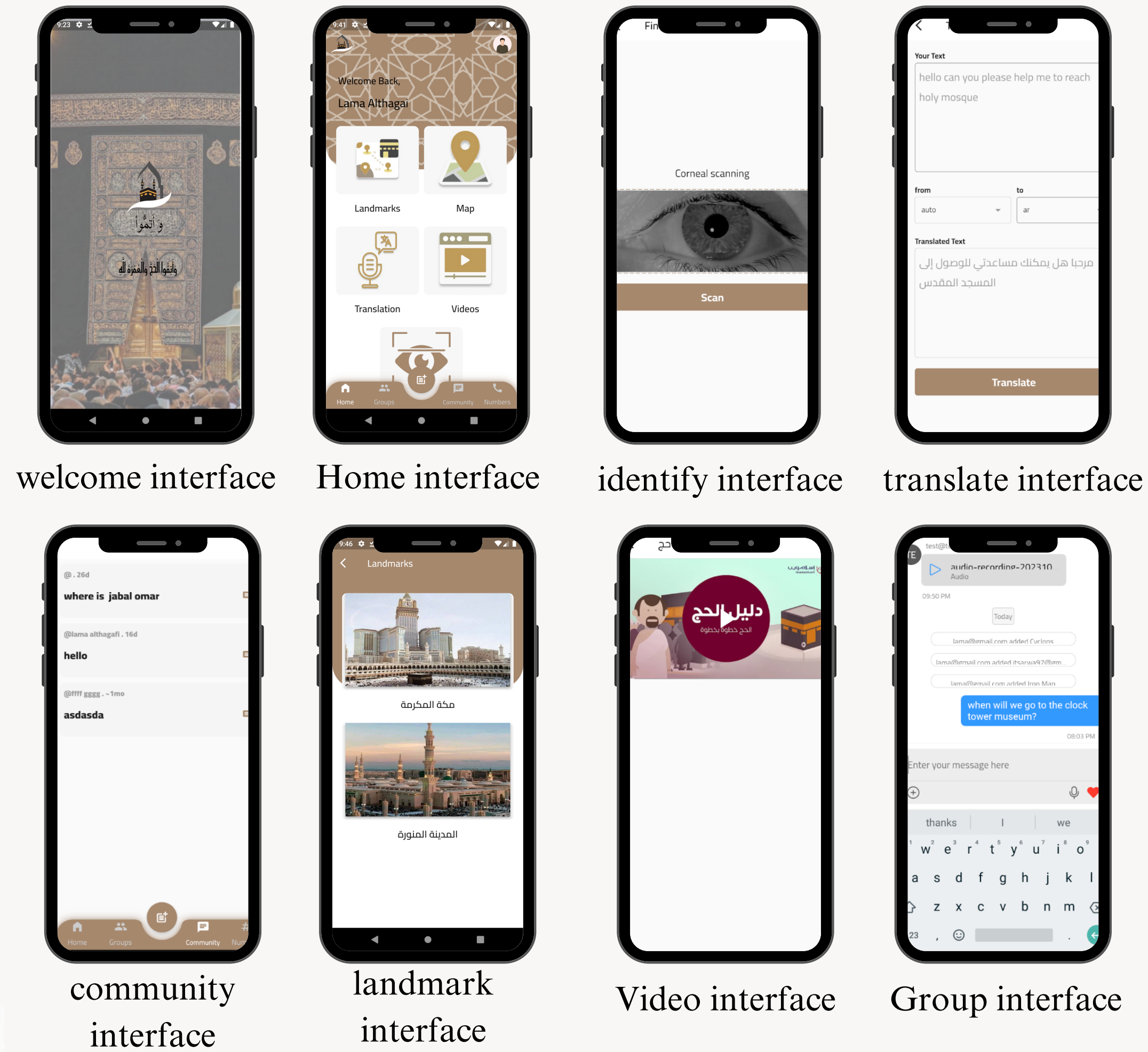
## Methodology

**The waterfall model chosen for this project**

Requirement → Design → Implemenation → Testing → Maintenance

## Tools

## Results



welcome interface | Home interface | identify interface | translate interface

community interface | landmark interface | Video interface | Group interface

## Futures work

1 Add other way to identify the pilgrim

2 Add more landmark and videos to the application

3 Improv privacy, protection and security in the application

4 Supports multiple other languages

## Conclusion

Our application to a group of pilgrims' problems, including:
First, the missing pilgrims: Cosmic scanning technology was developed to track the missing pilgrims
Secondly, difficulty in communication: A voice translator has been added in 5 different languages
Third, their lack of knowledge of tourist attractions: Tourist attractions with tourist guides have been created
Finally, not knowing the emergency numbers: Emergency numbers have been added for easy access.

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## Refrences