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Abstract

The Kingdom of Saudi Arabia aims to develop the tourism and heritage sector in line with Vision 2030, achieving strategic goals that include increasing the sector's contribution to the local GDP to over 10%, providing a million job opportunities, and attracting 100 million annual visits. The Kingdom is also a significant center in the Arab and Islamic world due to the presence of the two holy mosques, a rich history, ancient museums, and cultural heritage that conveys Saudi Arabia's image from its ancient times to the present day to all countries worldwide. To enhance the tourism experience, we have developed the "Athaar" application, which helps tourists discover tourist attractions in Saudi Arabia and provides them with informative content using augmented reality technology, making it an enjoyable and unforgettable experience.

Objective

The "Athaar" application provides enriching information about the historical locations in the Kingdom of Saudi Arabia, helps tourists to explore the culture of the Kingdom of Saudi Arabia, and provides a unique tourist experience for tourists from all over the world.

Tools



System Description

Direct the camera at a landmark photo



Write a landmark name in searchbox



Search for a landmark in map



Information about the landmark appears



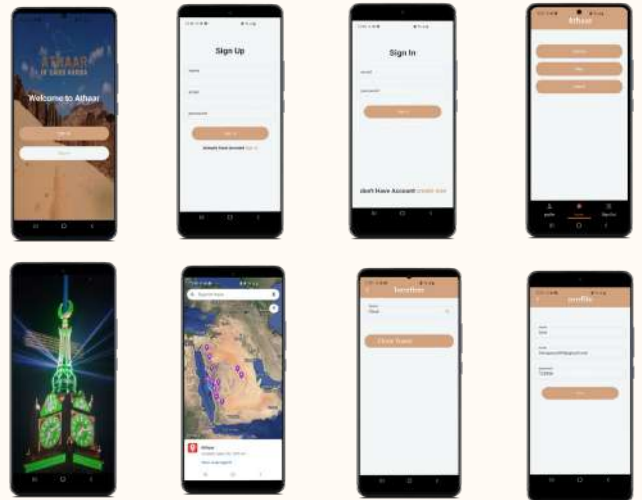
Display information and photos about the landmark



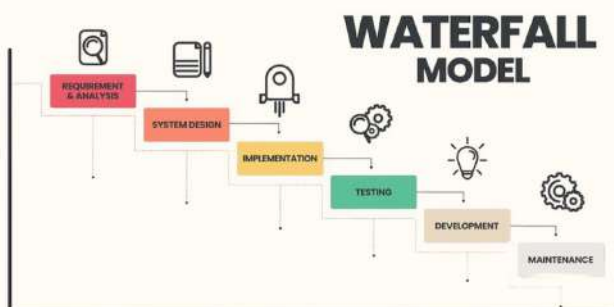
Display location and directions



Result



Methodology



Conclusion

The proposed system will enhance the tourism experience in the Kingdom of Saudi Arabia, supported by augmented reality technology, through which the camera can be passed over the landmark and information will appear. The system also contains a map that shows the user's current location and nearby points of interest. It also contains a search for landmarks and adding them to favorites. The application will be improved by adding :

- The app will be optimized to support iOS.
- Adding a data set to the camera to recognize landmarks in the real world.