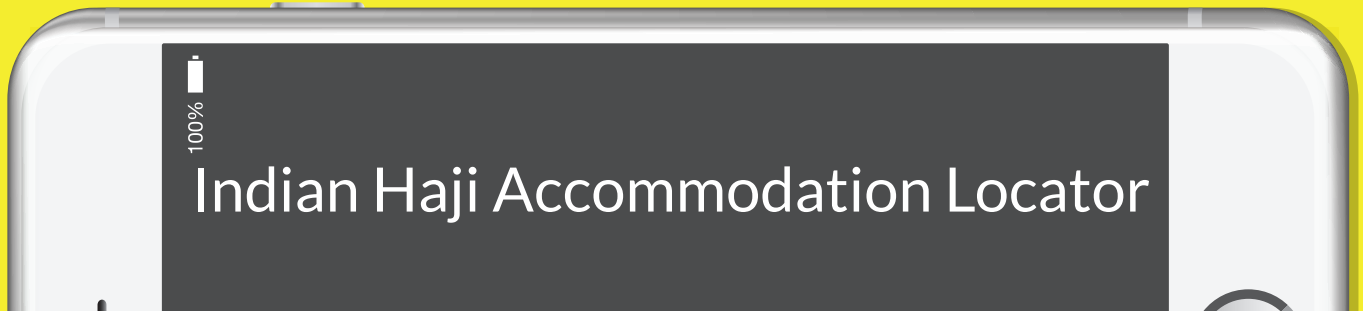


Indian Haji Accommodation Locator



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Mobile Application Case Study



Overview

Client is Consulate General of India at Saudi Arabia. Looking to the heavy rush during Haj, client decided to develop an application which can help the Haj Pilgrims of Indian Origin, to locate accommodation in Mecca, Madinah and Mina. It was also required that the application should guide the pilgrims a complete route from their current location to the accommodation location. It was also prime requirement to have a robust complaint management system with latest status updates. This application was required to be developed in iOS and Android platforms.

Description

As required by the client, this native application was developed in iOS & Android platforms. The application offers the below mentioned features:
The application users are mainly Haj Pilgrims traveling to Mecca, Madinah and Mina. Pilgrim / User or this application is asked to enter their Passport or Cover number to get started with this application. Once user / pilgrim enter their details, application displays the accommodation details, along with the best route to be taken to reach the accommodation location. The Google Map was integrated with the application to understand the route better. This is a search driven application.

1. Application Functionality:

1.1. Splash Screen: The application initiates using momentary splash screen with Application Logo.

1.2. Home Screen: After Splash Screen disappears, application displays Home Screen.

1.2.1. Application asks the user to enter Passport Number or Cover Number to get accommodation details.

1.2.2. Once user enters his details and submits it, application first verifies the details with the help of web services.

1.2.3. If details are OK, then Pilgrim details will be displayed on next screen.

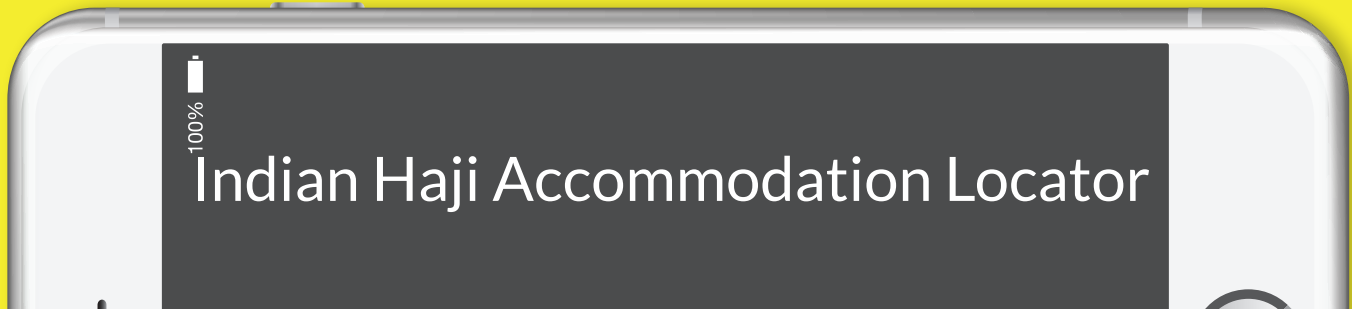
1.2.4. User can enter multiple Passport Number / Cover Number one by one to get details.

1.3. Pilgrim Detail Screen: This screen will appear after the Home screen

1.3.1. On successful verification of the passport / cover number by the web server, application will display accommodation details of the pilgrim.

1.3.2. Along with pilgrim details, this application also displays "View on Map" option to view the route from user's current location to their building on Google map.

Mobile Application Case Study



2. Web Service Integration:

- 2.1. Web Services were already developed by the client and was available on their web server.
- 2.2. Silver Touch integrated required web services with this application.
- 2.3. To identify the location of the building on the Google Map, the web services gives out the latitude / longitude for the building location
- 2.4. Along with route, the application also displays time and distance to reach the accommodation building.

Data / Content Management

The application communicates with the backend web server to fetch the details of pilgrim and the accommodation building. The necessary web services are provided by the client. Silver Touch has integrated the web services in the application to display the information in the mobile application. This application is completely Wi-Fi / Mobile Internet dependent. This application does not store any data in mobile storage.

Key Challenges

- Integration of 3rd Party web services with the application
- User device' GPS to get current location of the user
- Creating a search enabled application

Project Approach / Activities

The Project was divided into various phases to achieve the best results in less time with optimal utilization of available resources.

PHASE I: Technical Documentation and Wire Framing

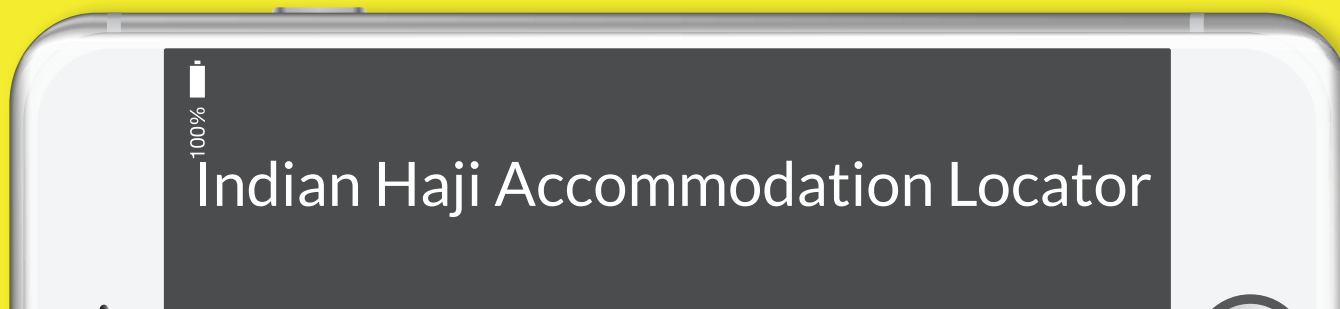
PHASE II: Designing + Design Integration

PHASE III: Web Service Integration

PHASE IV: Programming / Coding / Testing

PHASE V: Store Deployment for Native Apps

Mobile Application Case Study



Technology

Mobile Application Development Environment

| | Android | iOS |
|--------------------------------|------------------------|----------------------|
| Technology | Specifications | Specifications |
| Technology & Framework | Eclipse INDIGO | Cocoa with Xcode IDE |
| Language | Java | Objective - C |
| Operating System (Development) | Android OS 2.2 & above | iOS 6.0 & above |
| Store | Google Play Store | Apple App Store |

Portfolio

Visit us at www.semaphore.co.in/downloads/silvertouch to download our complete mobile portfolio.