**Sprint-1 Requirements**

**<P04>:<Manzil>**

**<team member names & ids>**

|  |  |
| --- | --- |
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| --- | --- | --- |
| **Content** | **Totals** | **Obtained** |
| Properly tested working system | 20 |  |
| Deployed on an online hosting platform. | 10 |  |
| Code with readable comments | 10 |  |
| 3-4 minutes video | 10 |  |
| Test case execution report. | 10 |  |
| Updated Readme file | 10 |  |
| Update project schedule on GitHub | 10 |  |
| Size of the work completed | 20 |  |
| Updated architecture and data model penalty | -10 |  |
| GitHub folder structure penalty | -15 | - |
| Late submission penalty | -20 | - |
| **Grand Total** | **100** | **0** |
| General Comments/Individual Grading: Should integrate some hotels/third party data providers | | |

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# Introduction

Manzil is a mobile application designed to support and simplify travel planning within Pakistan, specifically for northern tourist destinations and major cities like Lahore, Karachi, and Islamabad.

Manzil will provide a seamless, one-stop platform for travelers to access essential travel information, make bookings, and receive personalized recommendations. By centralizing these services, Manzil aims to improve the travel experience by streamlining the processes of booking accommodations, renting vehicles, exploring tourist attractions, and receiving real-time updates about the weather and roads.

The core users of Manzil include travelers, who benefit from easy access to hotels, tourist locations, weather forecasts, and reviews, and another class, i.e., hotel management staff, who use the app to update hotel details and manage customer interactions. Furthermore, app administrators manage the backend operations (us), ensuring data accuracy, security, and smooth functionality.

Powered by machine learning, Manzil offers personalized suggestions for users, guiding them based on their preferences and previous searches. The app utilizes a scalable and secure architecture hosted on Amazon EC2 and integrates real-time data sources such as weather and map APIs to provide accurate, updated information.

This prototype phase will focus on establishing fundamental functionalities and use cases, including CRUD operations on user profiles with authentication and authorization, setting the foundation for Manzil’s fully featured application journey.

# List of Requirements for Sprint-1

<List down the requirements selected for Sprint-1 development.>

|  |  |
| --- | --- |
| **Requirements** | |
| **Sr#** | **Requirement** |
| 1 | **Hotel Booking Functionality:** Implement a feature that allows users to search for hotels based on city, budget, and amenities, view hotel details (pricing, location, and reviews), and make secure reservations. The system will provide real-time availability data and generate a booking confirmation with all relevant details. |
| 2 | **Hotel Management Interface:** Develop a dedicated interface for hotel managers to update hotel information, manage room availability, and adjust pricing. This functionality ensures accurate and up-to-date data for users and seamless backend operations. |
| 3 | **UI Design:** Create a simple and user-friendly interface with a focus on easy navigation for travelers and hotel managers, including responsive layouts and clear booking screens. |
| 4 | **Search Bar: Location Searching**: Implement a search bar that allows users to search for locations, hotels, and tourist destinations. The system will provide auto-suggestions and relevant results based on user input to enhance the search experience. |
| 5 | **City Selection at App Start**: Add a feature to select a city either automatically using GPS or manually from a dropdown list. This ensures users receive localized content and recommendations from the moment they open the app. |

# Review checklist

Before submission of this deliverable, the team must perform an internal review. Each team member will review one or more sections of the deliverable.

|  |  |
| --- | --- |
| **Section** **Title** | **Reviewer Name(s)** |
| 1 & 2 | Shahrez Faisal |
| 2 | Omar Ibne Sajjad |
|  |  |
|  |  |