**System Requirements Statement (SRS) –**

**TravelGo**

1. Introduction 2

2. Functional Requirements 3,4

**1 Traveler Module 5**

**2 Property Owner Module 8**

**3 admin Module 12**

**3. Use Case Diagram .................................................................................15**

**Introduction**

**Introduction to the TravelGo with Traveler, Property Owner, and Admin Modules:**

**This document explains the system requirements and scope for developing TravelGo as airbnb clone**

**TravelGO could divide the three main parts, admin part, traveler part and**

**property owner part**

**This document describes the system requirement of the project development.**

**Functional Requirements - TravelGo**

**The functional requirements for TravelGo can be organized into several modules as described below:**

|  |  |  |
| --- | --- | --- |
| **NO** | **SUB-DESC** | **DESCRIPTION** |
| 1. **Traveler Module** | | |
| **1.1** | **TRV01** | **Account Creation Process** |
| **1.2** | **TRV02** | **Login Process** |
| **1.3** | **TRV03** | **Search Accommodations** |
| **1.4** | **TRV04** | **View Property Details** |
| **1.5** | **TRV05** | **Book Accommodations** |
| 1. **Property Owner Module** | | |
| **2.1** | **PRO01** | **Account Creation Process** |
| **2.2** | **PRO02** | **Login Process** |
| **2.3** | **PRO03** | **List Property** |
| **2.4** | **PRO04** | **Subscription and renting limit** |
| 1. **Admin Module** | | |
| **3.1** | **ADM01** | **Login Process** |
| **3.2** | **ADM02** | **Update Account Process** |
| **3.3** | **ADM03** | **Manage User Accounts** |
| **3.4** | **ADM04** | **Generate Reports** |

**1. Traveler Module**

**1.1 TRV1 Account Creation Process**

**- Travelers can create a new account by providing necessary information.**

**- The account creation process should include the following details:**

**1. Login information:**

**- UserID**

**- Password**

**- First Name**

**- Last Name**

**- Email address**

**- User Type (Traveler)**

**2. Contact Details:**

**- Permanent Address (with state selection)**

**- Contact Phone No**

**- All the information provided should be compulsory and validated.**

**- The UserID should be unique, and the password should meet the specified criteria.**

**- The password should be masked during entry and encrypted for storage.**

**1.2 TRV2 Login Process**

**- Travelers can log into their accounts using their UserID and Password.**

**- The system should authenticate the credentials and allow access if they are correct.**

**- Only users with the User Type "Traveler" should be allowed to log in.**

**- The account should be active and not suspended.**

**- If the credentials are invalid or the account is suspended, the login should be denied.**

**1.3 TRV3Search Accommodations**

**- Travelers can search for accommodations based on their preferences.**

**- The search should include options such as location, dates, number of guests, and other relevant filters.**

**- The system should retrieve and display matching accommodations based on the search criteria.**

**1.4 TRV4 View Property Details**

**- Travelers can view detailed information about a specific property.**

**- The property details should include descriptions, amenities, photos, reviews, and other relevant information.**

**1.5 TRV Book Accommodations**

**- Travelers can book accommodations after selecting the desired property.**

**- The booking process should include providing the required details such as check-in/out dates, number of guests, and any additional requirements.**

**- The traveler should receive a confirmation of the booking, along with a unique booking reference number.**

**2 Property Owner Module**

**2.1 PRO1 Account Creation Process**

**- Property owners can create a new account by providing necessary information.**

**- The account creation process should include the following details:**

**1. Login information:**

**- UserID**

**- Password**

**- First Name**

**- Last Name**

**- Email address**

**- User Type (Property Owner)**

**2.2 PRO2 Login Process**

**- Property owners can log into their accounts using their UserID and Password.**

**- The system should authenticate the credentials and allow access if they are correct.**

**- Only users with the User Type "Property Owner" should be allowed to log in.**

**- The account should be active and not suspended.**

**- If the credentials are invalid or the account is suspended, the login should be denied.**

**2.3 PRO3 List Property**

**- Property owners can list their properties for rent by providing necessary details.**

**- The property listing process should include the following information:**

**1. Property details:**

**- Location**

**- Amenities**

**- Pricing**

**- Availability**

**2. Property photos:**

**- Property owners should be able to upload multiple photos of the property.**

**- All the information provided should be compulsory and validated.**

**24 PRO4 Subscription and Renting limit**

**- Property owner should be able to receive notification when they login as Property owner to add subscription to their profile.**

**-As the limit for the subscription there is the limit for renting the property.**

**- Subscription can be renewed as by the given time is over.**

**3 Admin Module**

**3.1 ADM1 Account Creation Process**

**- The administrator account for the TravelGo system is created separately from the account creation process for travelers and property owners.**

**- The administrator account creation process should include the following details:**

**1. Login information:**

**- UserID**

**- Password**

**- Email address**

**- User Type (Administrator)**

**- All the information provided should be compulsory and validated.**

**- The UserID should be unique, and the password should meet the specified criteria.**

**- The password should be masked during entry and encrypted for storage.**

**3.2 ADM2 Login Process**

**- The administrator can log into their account using their UserID and Password.**

**- The system should authenticate the administrator's credentials and allow access if they are correct.**

**- Only users with the User Type "Administrator" should be allowed to log in.**

**- If the credentials are invalid, the login should be denied.**

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**3.3 ADM3 Manage User Accounts**

**- The administrator has the authority to manage user accounts in the TravelGo system.**

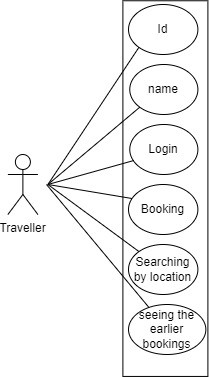
**- The administrator should be able to view and modify user account information for travelers and property owners.**

**- This includes the ability to activate or suspend accounts, update user details, and handle any reported issues or disputes between users.**

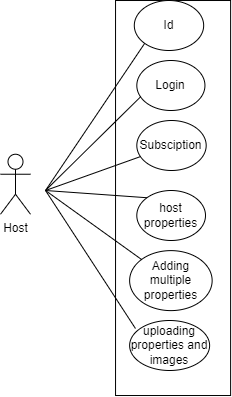
**- The administrator should have the authority to deactivate or delete user accounts if necessary.**

1. **Use Case Diagram**
   1. **Traveler**

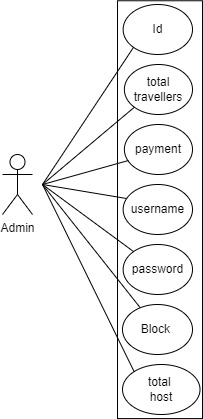
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**2.Property owner**

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**3.Admin**

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