MIU AIRBNB

Use Case Specification: Landlord property registration and listing

Version 1.1

Purushottam Prajapati
Sourav Babu Shrestha
Saroj K Dev
Heritier Sonde

Contents

1. Landlord property Registration

1.1.　　Brief Description

The property registration and listing activity for landlords in the MIU AirBnB system.

1.2.　　Actors

- Landlord
- Property Listings Database
- Cloud Storage Service

Preconditions

- The landlord is registered and logged into the MIU AirBnB system
- The landlord has not registered the property before.

1.3.　　Flow of Events

1.3.1.　Basic Flow - Property

User Action	System Response
Landlord navigates to the property registration section in their dashboard.	The system displays the property registration form, requesting property details such as property type, address, number of rooms, rent, and property images.
Landlord enters the property details and upload property images to the cloud storage service	The system validates the entered information and confirms the successful image upload. The system creates a new property listing in the property listings database, including the provided property details and the cloud storage links to the property images. The property registration form disappears, and the system displays a success message including the landlord that the property registration is complete. The newly registered property is not listed in landlord's property dashboard.

1.3.2.　　Exceptional Flow

1.3.2.1.　　Property already registered

User Action	System Response
Landlord navigates to the property registration section in their dashboard.	The system displays the property registration form, requesting property details such as property type, address, number of rooms, rent, and property images.
Landlord enters the property details and upload property images to the cloud storage service	The system validates the entered information and confirms the successful image upload.

	The system checks the property listing database and finds that the property with same details is already registered by the landlord.
	The system displays an error message, informing the landlord that the property is already registered.
	The landlord is prompted to review the existing property listing or make changes to the property details.

1.4. Post-Conditions
- A new property listing is created in the property listing database.
- The property images are securely stored in the cloud storage service.

1.5. Business Rules
- Each property must have unique details to be registered as a new listing.

1.6. Nonfunctional Requirements
- The property registration process should be secure and protect landlord and property data.
- The registration response time should be fast to ensure a smooth user experience.

1.7. Sample Screen

1.8. Project Repository
- https://github.com/puruprajapati/swe_CS425DE