MIU AIRBNB

Use Case Specification: Registration

Version 1.1

Purushottam Prajapati
Sourav Babu Shrestha
Saroj K Dev
Heritier Sonde

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1. Tenant Registration

1.1.　　　Brief Description

The registration activity for tenants in the MIU AirBnB system.

1.2.　　　Actors

- Tenant
- Tenant Account Database

Preconditions

- The tenant does not have an existing account in the MIU AirBnB system.

1.3.　　　Flow of Events

1.3.1.　Basic Flow

User Action	System Response
Tenant initiates the registration process.	The system displays a registration form, requesting the tenant's full name, email, password, gender, role and desired password
Tenant enters their email and password.	The system validates the entered information to ensure it meets the required criteria (e.g. valid email format, strong password). The system creates a new tenant account in the tenant accounts database, including provided information. The registration form disappears, and the system displays a success message, informing the tenant that the registration is complete. The tenant is automatically logged into the system and directed to the tenant dashboard.

1.3.2.　　Exceptional Flow

1.3.2.1.　　Invalid email format or weak password

User Action	System Response
Tenant initiates the registration process	The system displays a registration form, requesting the tenant's full name, email, gender, role, desired password.
Tenant enters their full name, an invalid email format or a weak password (e.g. too short, common password)	The system detects the invalid email format or weak password and displays error messages next to the respective fields, guiding the tenant to correct entries.
The tenant re-enters the email and password with valid formats and strength.	The system validates the updated information and proceeds with the registration process.

1.4. Post-Conditions

- A new tenant account is created in the MIU AirBnB system.
- The tenant is automatically logged into the system after successful registration.

1.5. Business Rules

- Each tenant must provide a unique email address for registration.

1.6. Nonfunctional Requirements

- The registration process should be secure and protect tenant data.
- The registration response time should be fast to ensure a smooth user experience.

1.7. Sample Screen

2. Landlord Registration

2.1.   Brief Description

The registration activity for tenants in the MIU AirBnB system.

2.2.   Actors

- Landlord
- Landlord Account Database

Preconditions

- The tenant does not have an existing account in the MIU AirBnB system.

2.3.   Flow of Events

2.3.1.   Basic Flow

User Action	System Response
Landlord initiates the registration process.	The system displays a registration form, requesting the landlord's full name, email, password, gender, role and desired password
Landlord enters their email and password.	The system validates the entered information to ensure it meets the required criteria (e.g. valid email format, strong password). The system creates a new landlord account in the landlord accounts database, including provided information. The registration form disappears, and the system displays a success message, informing the landlord that the registration is complete. The landlord is automatically logged into the system and directed to the tenant dashboard.

2.3.2.   Exceptional Flow

2.3.2.1.   *Invalid email format or weak password*

User Action	System Response
Landlord initiates the registration process	The system displays a registration form, requesting the landlord's full name, email, gender, role, desired password.
Landlord enters their full name, an invalid email format or a weak password (e.g. too short, common password)	The system detects the invalid email format or weak password and displays error messages next to the respective fields, guiding the tenant to correct entries.
The landlord re-enters the email and password with valid formats and strength.	The system validates the updated information and proceeds with the registration process.

2.4. Post-Conditions

- A new landlord account is created in the MIU AirBnB system.
- The landlord is automatically logged into the system after successful registration.

2.5. Business Rules

- Each landlord must provide a unique email address for registration.

2.6. Nonfunctional Requirements

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

2.7. Sample Screen