



# MIU AIRBNB

## Use Case Specification: Login

Version 1.1

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## 1. Tenant Login

### 1.1. Brief Description

The login activity of tenants in the MIU AirBnB system.

### 1.2. Actors

- Tenant
- User Account Database

### Preconditions

- The tenant is registered in MIU AirBnB system.

### 1.3. Flow of Events

#### 1.3.1. Basic Flow

User Action	System Response
Tenant performs an action that requires login.	The system displays a login window, requesting the tenant's email and password.
Tenant enters their email and password.	<p>The system searches for the email and password in the user accounts database. When found, the tenant's information is loaded into memory, and the system records the successful login.</p> <p>The login window disappears, and the tenant is directed to their dashboard.</p>

#### 1.3.2. Exceptional Flow

##### 1.3.2.1. *Tenant Email not found or incorrect password*

User Action	System Response
Tenant performs an action that requires login.	The system displays a login window, requesting the tenant's email and password.
Tenant enters their email and password.	The system is either unable to find the tenant's email or the provided password does not match the one on record. The system displays a dialog with the message "Unable to login. Either email or password is incorrect." The dialog box provides an Ok button.
The tenant clicks Ok.	The login window remains visible, allowing the tenant to re-enter their email and password.

### 1.4. Post-Conditions

None. State of the system remains unchanged by the use case.

### 1.5. Business Rules

Only registered tenants can log in to the MIU AirBnB system.

### 1.6. Nonfunctional Requirements

- The login process should be secure and protect user data.
- The login 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](https://github.com/puruprajapati/swe_CS425DE)

## 2. Landlord Login

### 2.1. Brief Description

The login activity of tenants in the MIU AirBnB system.

### 2.2. Actors

- Landlord
- Landlord Account Database

### Preconditions

- The landlord is registered in MIU AirBnB system.

### 2.3. Flow of Events

#### 2.3.1. Basic Flow

User Action	System Response
Landlord performs an action that requires login.	The system displays a login window, requesting the landlord's email and password.
Landlord enters their email and password.	<p>The system searches for the email and password in the user accounts database. When found, the landlord's information is loaded into memory, and the system records the successful login.</p> <p>The login window disappears, and the landlord is directed to their dashboard.</p>

#### 2.3.2. Exceptional Flow

##### 2.3.2.1. *Tenant Email not found or incorrect password*

User Action	System Response
Landlord performs an action that requires login.	The system displays a login window, requesting the landlord's email and password.
Landlord enters their email and password.	The system is either unable to find the landlord's email or the provided password does not match the one on record. The system displays a dialog with the message "Unable to login. Either email or password is incorrect." The dialog box provides an Ok button.
The landlord clicks Ok.	The login window remains visible, allowing the landlord to re-enter their email and password.

### 2.4. Post-Conditions

None. State of the system remains unchanged by the use case.

## 2.5. Business Rules

Only registered landlords can log in to the MIU AirBnB system.

## 2.6. Nonfunctional Requirements

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

## 2.7. Sample Screen

## 2.8. Project Repository

- [https://github.com/puruprajapati/swe\\_CS425DE](https://github.com/puruprajapati/swe_CS425DE)

## 3. Admin Login

### 3.1. Brief Description

The login activity of tenants in the MIU AirBnB system.

### 3.2. Actors

- Admin
- Admin Account Database

### Preconditions

- The admin is registered in MIU AirBnB system.

### 3.3. Flow of Events

#### 3.3.1. Basic Flow

User Action	System Response
Admin performs an action that requires login.	The system displays a login window, requesting the admin's email and password.
Admin enters their email and password.	<p>The system searches for the email and password in the user accounts database. When found, the admin's information is loaded into memory, and the system records the successful login.</p> <p>The login window disappears, and the admin is directed to their dashboard.</p>

#### 3.3.2. Exceptional Flow

##### 3.3.2.1. *Tenant Email not found or incorrect password*

User Action	System Response
Admin performs an action that requires login.	The system displays a login window, requesting the admin's email and password.
Admin enters their email and password.	The system is either unable to find the admin's email or the provided password does not match the one on record. The system displays a dialog with the message "Unable to login. Either email or password is incorrect." The dialog box provides an Ok button.
The admin clicks Ok.	The login window remains visible, allowing the admin to re-enter their email and password.



### 3.4. Post-Conditions

None. State of the system remains unchanged by the use case.

### 3.5. Business Rules

Only registered admin can log in to the MIU AirBnB system.

### 3.6. Nonfunctional Requirements

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

### 3.7. Sample Screen

### 3.8. Project Repository

- [https://github.com/puruprajapati/swe\\_CS425DE](https://github.com/puruprajapati/swe_CS425DE)