

## Proposal to Close Accommodation:

### Preconditions:

- The system has up-to-date data on reservations and occupancy rates for all accommodations

### Postconditions:

- The owner has reviewed the suggestions

### Basic flow:

1. The owner logs into the system.
2. The system analyzes reservation and occupancy data.
3. The system identifies accommodations with the lowest number of reservations and occupancy rates.
4. The system generates a list of these accommodations and suggests to the owner that they might consider closing these accommodations.
5. The system displays the list to the owner.
6. The owner reviews the suggestions

### Alternative Flows:

#### 7.Owner Decides to Close Accommodation

1. The owner selects an accommodation to close from the list.
2. The owner confirms the closure.
3. The system updates the status of the accommodation to 'closed'.

## Proposal for Registration of Accommodation in the Most Popular Location:

### Preconditions:

- The system has up-to-date data on reservations and occupancy rates for all accommodations

### Postconditions:

- The owner has reviewed the suggestions

### Basic flow:

1. The owner logs into the system.
2. The system analyzes reservation and occupancy data.
3. The system identifies locations with the highest number of reservations and occupancy rates.
4. The system generates a list of these popular locations and suggests to the owner that they might consider opening new accommodations there.

5. The system displays the list to the owner.
6. The owner reviews the suggestions.

#### **7.Alternative Flows:**

##### **Owner Decides to Open New Accommodation**

1. The owner selects a popular location from the list.
2. The owner follows the system prompts to register a new accommodation.
3. The system registers the new accommodation and updates the database

#### **Search for the Most Popular and Least Popular Locations:**

##### **Preconditions:**

- The system has up-to-date data on reservations and occupancy rates for all locations

##### **Postconditions:**

- The system can show proposals with locations

##### **Basic flow:**

1. The owner logs into the system.
2. The system analyzes reservation and occupancy data.
3. The system finds conditions for finding popularity
4. The system finds locations

#### **2.Alternative Flows:**

##### **Owner Decides to change conditions**

1. The owner selects a other conditions
2. System calculate new locations with new conditions

#### **Marking forum as very useful:**

##### **Preconditions:**

- The forum has received comments from both guests and owners.

##### **Postconditions:**

- Forums that meet the criteria are marked as very useful

##### **Basic flow:**

1. The system monitors the number of comments on each forum.
2. The system counts the number of comments from guests who have stayed at the location.
3. The system counts the number of comments from owners with accommodations at the location.
4. If the forum reaches 20 comments from guests and 10 comments from owners, the system marks the forum as very useful.
5. The system updates the forum status to indicate it is very useful.

#### **Alternative Flows:**

#### **4. Not enough comments by host and guest**

1. If the forum does not meet the threshold of comments, no action is taken.

#### **Reporting comment on forum:**

##### **Preconditions:**

- The owner identifies an inaccurate comment made by a guest who has not stayed at the location.

##### **Postconditions:**

- The number of reports on the comment is updated and visible to all users on the forum.

##### **Basic flow:**

1. The owner logs into the system.
2. The owner navigates to the forum containing the inaccurate comment.
3. The owner selects the comment and submits a report.
4. The system records the report and increments the report count for the comment.
5. The system displays the updated report count next to the comment.

#### **Alternative Flows:**

#### **3.Owner Cancels Report**

1. The owner decides not to report the comment and cancels the action.
2. No report is recorded.

#### **Leaving a comment on forum by Host:**

##### **Preconditions:**

- The owner has at least one accommodation at the forum's specified location
- An opened forum exists.

**Postconditions:**

- The owner's comment is added to the forum.
- Comments from owners who have accommodations at the location are specially marked.

**Basic flow:**

1. The owner logs into the system.
2. The owner navigates to the forum they want to comment on.
3. The owner writes and submits a comment.
4. The system verifies that the owner has an accommodation at the specified location.
5. The system marks the comment as from a host who owns an accommodation at the location.
6. The system adds the comment to the forum.

**Alternative Flows:****3. Owner Cancels Comment Submission**

1. The owner decides not to submit the comment and cancels the action.
2. No comment is added to the forum

**Send notification that forum is opened:****Preconditions:**

- The owner has at least one accommodation at the location for which the forum is being opened.
- The system has up-to-date information on accommodations and their locations.

**Postconditions:**

- Owners with accommodations at the location receive a notification about the new forum.

**Basic flow:**

1. The guest logs into the system.
2. The guest navigates to the forum creation section.
3. The guest specifies the location and writes the first comment.
4. The guest submits the forum creation request.
5. The system creates the new forum and records the first comment.
6. The system identifies all owners who have accommodations at the specified location.
7. The system sends a notification to each identified owner informing them about the newly opened forum

**Alternative Flows:****6. No Owners for Specified Location**

1. If no owners have accommodations at the specified location, no notifications are sent

## Mark comment by guest as special:

### Preconditions:

- The guest has a reservation history that the system can check against.

### Postconditions:

- Comments from guests who have previously stayed at the location are specially marked.

### Basic flow:

1. The guest logs into the system.
2. The guest navigates to the forum they want to comment on.
3. The guest writes and submits a comment.
4. The system checks the guest's reservation history for the specified location.
5. If the guest has previously stayed at the location, the system marks the comment as special.
6. The system adds the comment to the forum, indicating it is from a guest with prior experience.

### Alternative Flows:

#### 3. Guest Cancels Comment Submission

1. The guest decides not to submit the comment and cancels the action.
2. No comment is added to the forum

## Opening a forum

### Preconditions:

- The user is logged in as a guest.

### Postconditions:

- The opened forum is visible to all guests and hosts.
- The guest who opened the forum can close it, but it remains visible forever.

### Basic flow:

1. The guest logs into system.
2. The guest navigates to Forums section and chooses an option for creating forum.
3. The guest enters city and country.
4. The guest enters first comment.
5. The guest confirms opening of forum.
6. The system saves the newly opened forum.

7. The system notifies guest that the forum is opened.

#### Alternative flows:

#### 4. Opening forum confirmation failed

1. Guest didn't enter all required inputs.
2. Confirmation option is disabled.
3. Forum is not opened.

### Closing a forum

#### Preconditions:

- The user is logged in as a guest.

#### Postconditions:

- The closed forum remains visible forever.
- Guests and hosts can't leave any new comments.

#### Basic flow:

1. The guest logs into system.
2. The guest navigates to Forums section.
3. The system shows guest a list of forums created by the guests.
4. The guest chooses a forum and clicks on the Close forum button.
5. The system asks guest to confirm closing of the forum.
6. The guest confirms closing the forum.
7. The forum is closed.

#### Alternative flows:

#### 4. The guest fails to choose a forum

1. Chosen forum is already closed.
2. Closing forum option is disabled.
3. Forum is not closed.

#### 6. The guest gave up on closing the forum

1. Guest decides not to close the forum.
2. Forum is not closed.

### Adding first comment

#### Preconditions:

- The user is logged in as a guest.
- The guest navigated to the page for forum creation.
- The guest entered location.

**Postconditions:**

- The forum is successfully created and visible.

**Basic flow:**

1. The guest logs into system.
2. The guest navigates to Forums section and chooses an option for creating forum.
3. The guest enters city and country.
4. The guest enters first comment.
5. The guest confirms creating a forum and the forum with first comment is saved.

**Alternative flows:****4. The guest fails to enter a valid comment**

1. Confirmation option is disabled.
2. The forum is not saved.

**5. The guest gave up on writing a first comment**

1. Guest decides not to write a first comment.
2. Forum is not created.

**Leaving a comment on forum by Guest:****Preconditions:**

- The user is logged in as a guest.
- An opened forum exists.

**Postconditions:**

- The guest's comment is added to the forum.
- Comments from guests who have visited the location are specially marked.

**Basic flow:**

1. The guest logs into the system.
2. The guest navigates to the forum they want to comment on.
3. The guest writes and submits a comment.
4. The system verifies that the guest has visited the specified location.
5. The system specially marks the comment if the guest has visited the location.
6. The system adds the comment to the forum.

**Alternative Flows:****3. Guest Cancels Comment Submission**

1. The guest decides not to submit the comment and cancels the action.
2. No comment is added to the forum

#### 4. The system doesn't verify comment as special

1. The system verifies that the guest has never visited the specified location.
2. The comment is not specially marked.

### Anywhere / Anytime reservation

#### Preconditions:

- The user is logged in as a guest.

#### Postconditions:

- The guest has reserved an accommodation.
- The accommodation is marked as unavailable in chosen dates.

#### Basic flow:

1. The guest logs into the system.
2. The guest navigates to the page for creating an accommodation.
3. The guest chooses Anywhere / Anytime option.
4. The guest enters wanted parameters.
5. The system shows all accommodations that are available according to guest's input.
6. The guest chooses an accommodation.
7. The guest selects dates according to entered day number.
8. The guest confirms reservation.
9. The system saves newly created reservation and marks accommodation as unavailable in chosen dates.

#### Alternative Flows:

##### 6. Guest doesn't choose an accommodation

1. The guest is not satisfied with proposed accommodations.
2. The reservation is not created.

##### 8. Guest fails to create a reservation.

1. Guest didn't choose required number of days.
2. Confirmation option is disabled.
3. Reservation is not created.

##### 8. Guest gives up on creating a reservation.

1. Guest decides not to confirm a reservation.
2. Reservation is not created.



## Entering Anywhere / Anytime parameters

### Preconditions:

- The user is logged in as a guest.
- The user navigated to Anywhere / Anytime page

### Postconditions:

- The system shows guest accommodations according to guest's input.

### Basic flow:

1. The guest logs into the system.
2. The guest navigates to the page for creating an accommodation.
3. The guest chooses Anywhere / Anytime option.
4. The guest enters guest number and day number.
5. The guest enters a wanted date range.
6. The system shows all accommodations that are available according to guest's input.

### Alternative Flows:

#### 4. Guest fails to enter required parameters

1. The guest doesn't enter valid guest number and day number.
2. The system can't find accommodations according to invalid parameters.
3. Continuing reservation option is disabled.

#### 5. Guest doesn't enter a date range

1. Guest didn't choose a date range.
2. System finds all available accommodations from today to the end of time (only takes guest number and day number as parameters).

## The system finds appropriate accommodations according to guest's input

### Preconditions:

- The guest chose Anywhere / Anytime option.
- The guest entered wanted parameters.

### Postconditions:

- The system shows guest accommodations according to guest's input.

### Basic flow:

1. The guest enters guest number, day number and a wanted date range
2. The system chooses accommodations based on specified maximal guest number, minimal reservation days number and a list of unavailable dates.

3. The system shows guest chosen accommodations.

#### **Alternative Flows:**

##### **1. Guest fails to enter required parameters**

1. The guest doesn't enter valid guest number and day number.
2. The system can't find accommodations according to invalid parameters.

##### **1. Guest doesn't enter a date range**

1. Guest didn't choose a date range.
2. System finds all available accommodations from today to the end of time (only takes guest number and day number as parameters).
3. The system shows guest chosen accommodations.

##### **1. Guest doesn't enter a date range**

1. Guest didn't choose a date range.
2. System finds all available accommodations from today to the end of time (only takes guest number and day number as parameters).
3. The system shows guest chosen accommodations.

##### **2. System fails to choose an available accommodation**

1. None of the accommodations is available according to the guest input.
2. System doesn't have any accommodations to show to the guest.