

## **User Workflow 1: Listing Available Rooms**

1. User selects "List Available Rooms" option.
2. User specifies filters (price, date/time period, with default location set to Budapest) for the search.
3. System gets and displays a list of available rooms based on the selected criteria.
4. User can review the list and choose it next steps.

## **User Workflow 2: Booking a Room**

1. User selects "Booking" option.
2. User specifies booking details (property, date/time period).
3. System checks availability for the selected property during the specified period.
4. If available, the system confirms the booking; if not, the user is prompted to choose different dates or properties.

## **User Workflow 3: Cancelling a Reservation**

1. User selects "Cancel Reservation" option.
2. User provides reservation details (booking ID or property details).
3. System verifies the reservation and cancels it if it exists; otherwise, provides an error message, mirrors it to stderr channel.

## **User Workflow 4: Viewing Booking History for Properties**

1. User selects "Booking History" option.
2. System displays a list of past bookings including date, period, and price.

## **User Workflow 5: Printing Booking History for Properties**

1. User selects "Print Booking History" option.
2. System prints the booking history to the console stdout channel in a readable format.

## **User Workflow 6: Filtering Booking History for Properties**

1. User selects "Filter Booking History" option.
2. User specifies filters (date, period, price) for the booking history.
3. System displays a filtered list of past bookings based on the specified criteria.

## **User Workflow 7: Making a Reservation with One-Day Minimum Period**

1. User selects "Booking" option.
2. User specifies booking details (property, date/time period) with a minimum period of time is one day, others values lesser than one day are not displayed.
3. System checks availability during the specified period.
4. If available and meets the one-day minimum requirement, the system confirms the booking; if not, the user is prompted to choose different dates or properties.