**Registration**

**Brief description:**

In order to reserve any rooms, A user must have an account. So, in this use case the user will provide the required data. The system will perform validation checks where required if there is any invalid data the user will be asked to provide correct data. After the submission of data, the user will request to register. The system will enter the data into the database and a success message will be shown to the user.

**Preconditions:**

* The user must have active internet connection

**Basic flow:**

* The user will provide required data and request to register.
* The system will validate the data and create an account for the user and display success message

**Alternate flow:**

* + The user may want to cancel the request to create an account in this case it will end the use case
  + The user may provide some invalid data in this case the user will be prompted to insert valid data and the normal flow of the user case will continue.

**Post conditions:**

An account for the user will be created and the user will be directed to home screen.

**Login**

**Brief description:**

* This use case describes how a user logs into the Lahore City Tour System.
* The actors starting this use case are rentals and landlords.

**Basic Flow:**

* The system requests that the actor enter his/her name and password.
* The actor enters his/her name and password.
* The system validates the actor’s password and logs him/her into the system and the use case ends.

**Alternate Flow:**

* Invalid Name / Password

If in the basic flow the system cannot find the name or the password is invalid, an error message is displayed. The actor can type in a new name or password or choose to cancel the operation, at which point the use case ends.

**Preconditions:**

* The user must have an account registered on the system.
* The user must have internet connection.

**Post-Conditions:**

* If the use case was successful, the actor is now logged into the system and directed to the home screen If not the system state is unchanged.

**Add Reviews For Rooms**

**Brief description:**

Whenever a user avails a room through our platform, he/she will be asked to add a review for the availed services so that the next person requesting the services may have an idea about the services provided by them.

**Preconditions:**

* The user must be logged in.
* The user must have booked a room using our platform.

**Basic flow:**

The user will give ratings out of 5 and post a review

**Alternate flow:**

None

**Postconditions:**

The review will be posted.

**For Places**

**Brief description:**

The users will be allowed to post reviews for the places they have visited.

**Preconditions:**

* The user must be logged in.

**Basic flow:**

The user will give ratings out of 5 and post a review.

**Alternate flow:**

None.

**Postconditions:**

The review will be posted.

**Post Adds**

**Brief Description:**

User(Landlord) will post an add of the rentable room/apartment.

**Preconditions:**

User must login

**Primary actor:**

Landlord

**Basic Flow:**

* Click on add post button
* Fill the add posting form
* Add payment details
* Review the advertisement
* Open advertisement for public view

**Alternate Flow**:

* The user has not logged in first, so move to login screen
* Some requirements left unfilled, prompt for filling in all fields.

**Post Conditions:**

Advertisement posted successfully.

**Search Rooms**

**Brief Description:**

The user will search the suitable room from the list of rooms available

**Precondition:**

User must login

**Primary actor:**

Traveler

**Basic Flow:**

* Click on rentals button
* Look for the suitable room in the list
* Add filters to search easily
* Show details of the advertisement chosen to the user.

**Alternate flow:**

* The user has not logged in first, so move to login screen

**Post Conditions:**

User gets all the details of the advertisement

**Edit Adds**

**Brief Description:**

Landlords who added their post can switch availability i.e. they can label their advertisement as available or not available.

**Pre-conditions:**

* Advertisement should be created
* User must login

**Basic Flow:**

* User will review the advertisement
* User will select or deselect the availability option
* The advertisement will be labelled as available

**Alternate Flow:**

none

**Post Condition:**

The advertisement status will be updated.

**Delete Adds**

**Brief Description**:

Landlords can delete their advertisement from the portal when they desire

**Precondition:**

advertisement should be posted

**Basic Flow:**

* User will open the advertisement
* User will click the delete button
* Confirmation notification will be shown
* User will confirm deletion

**Alternate flow:**

Upon confirmation user doesn’t delete the advertisement

**Post Condition:**

Advertisement will be deleted

#### Search a Place: (By Location)

#### Brief description

User can find out all the nearby attractions places hotels restaurant just by turning ON his location services

#### Preconditions

User should have a strong internet connection.

User should turn on his location.

#### Basic flow

* User will open the application.
* Application will ask user to turn on his location if not turned on.
* List of all the nearby places will be shown.

#### Alternate flows

Internet Connection fails.

#### Post conditions

Application will successfully show all the nearby places getting location.

#### Search a Place: (By Destination)

#### Brief description

User can search for all the prominent points of interest, and geographic locations and all the places just by entering a text string.

#### Preconditions

* User should have a strong internet connection.
* User should enter a valid string.

#### Basic flow

* User will open the application.
* User will enter the name of a place in the search tab.
* List of all the nearby places will be shown.

#### Alternate flows

Internet Connection fails.

#### Post conditions

Application will successfully show all the nearby places getting location.

#### Start a Conversation

#### Brief description

If the user is facing any problem in booking the place pr anything. User can start a conversation with the land lords of the place where he wants to live.

#### Preconditions

User should be booking a room.

#### Basic flow

* User will open the application.
* User will enter the name of a place or restaurant where he wants to book.
* User will book a room.
* Then user can start a chat with land lord.

#### Alternate flows

Internet Connection fails.

#### Post conditions

Application will help in contacting with the place owners.

#### Add Payment

#### Brief description

If the user is booking a room or place then he will pay with our application

#### Preconditions

User should be booking a room.

#### Basic flow

* User will open the application.
* User will enter the name of a place or restaurant where he wants to book.
* User will book a room.
* Then he will add his payment details to book

#### Alternate flows

Internet Connection fails.

#### Post conditions

Application will book a room for User.

**Get Directions**

**Brief Description:**

This use case will help the user to get directions to the selected place using google maps Api.

**Basic Flow:**

* The user will request the system to get direction of the selected place by clicking on it.
* The system will then redirect the user to google map and show him the direction.

**Alternate Flow:**

* None

**Preconditions:**

* The user must have internet connection.

**Post-Conditions:**

* The map will show all possible directions to the place and the use case will end.

**Cancel Reservation**

**Brief Description:**

This use case will allow the user to cancel the reservation**.**

**Basic Flow:**

* The user will request the system to cancel the reservation by clicking on the cancel reservation button available.
* The system will then delete the record of the reservation from the database reservation will be cancelled.
* A modal pop up will appear on the screen showing that the reservation is cancelled successfully and the use case will end.

**Alternate Flow:**

* None

**Preconditions:**

* The user must have internet connection.
* The user must have made a reservation.

**Post-Conditions:**

* The reservation will be cancelled successfully.