Use-Case Model

Version <1.0>

Revision History

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# Use-Cases Identification

The actors for this application are the user and the administrator .

Use cases for administrator:

* add route information,
* add bus information ,
* add travel packages ,
* add/delete/edit/view places , travels, routes, bookings etc.

Use cases for user:

* register ,
* login ,
* view profile,
* search places ,
* view travels,
* book hotels, flights,
* pay services ,
* make travel plan ,
* choose route etc.

**Use case description:**

**Login**:

**Use case goal:**

This use case describes how a user logs into the Travel Mangement System.

#### **Main success scenario**

Primary actor for this use case is the user.This use case starts when an user wants to log into the Travel Mangement System.

1. The system requests that the user to enter his/her username and password.
2. The actor enters his/her username and password.
3. The system validates the entered name and password and searches in the database for the data introduced .
4. The user can choose to check the option **Remember me** for the system to remember him for the next login operation.
5. The user can use the button **Reset** to clear all the text boxes.
6. If the username and password are found in the database and are correct then the system lets the user in and redirects him to the home page.

#### **Alternate scenarios**

**Invalid Name / Password**:

If in the *Basic Flow*the user enters an invalid name or password, the system displays an error message(Invalid creditentials).

If the user doesn’t specify all the required fields ,some alert messages will alert him of that.

**Pre-Conditions**

None

#### **Post-Conditions**

If the use case was successful, the actor is now logged into the system. If not the system state is unchanged.

**Use case description:**

**Register**:

**Use case goal:**

This use case describes the process that needs to be done in order to be able to create an account and in this way have access the services provided by the system.

#### **Main success scenario**

Primary actor for this use case is the user.

This use case starts when an user wants to create a new account.

1. The System prompts the user for the information needed for the new account.
2. The user selects registration option.
3. The System prompts user for registration information- Username, password, etc
4. The user enters in their information.
5. System verifies information and creates account.

#### **Alternate scenarios**

**Invalid information entered**:

If in the *Basic Flow*the user enters an invalid data, the system displays an error message.

If the user doesn’t specify all the required fields ,some alert messages will alert him of that.

**Pre-Conditions**

None

#### **Post-Conditions**

If the use case was successful, the actor is now redirected to the home. If not the system state is unchanged.

**Use case description:**

**Add Hotel**:

**Use case goal:**

This use case describes the process of adding a new hotel in the system database.

#### **Main success scenario**

Primary actor for this use case is the admin.This use case starts when the admin wants add a new hotel in the system information.

The system requests that the admin enters the details for the new added hotel.

1. The system asks the Administrator to enter the appropriate information for the new hotel.
2. The actor enters the hotel details and clicks submit.
3. The system validates the entered data and stores the information in the database.
4. Administrator is returned to administration panel.

#### **Alternate scenarios**

**Invalid information entered**:

The system displays an “Invalid Information” error after the user submits the information and asks the Administrator to re-enter the information.

Administrator re-enters information and clicks submit.

**Pre-Conditions**

None

#### **Post-Conditions**

If the use case was successful, the new hotel is added in the database system and is now searchable. If not the system state is unchanged.

# UML Use-Case Diagrams

