

Use Case Diagram Document

Online Vacation Planner

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Overall Use Case Description:

The Online Vacation planner facilitates a hassle-free user interface for users to plan their vacation and customize their tour according to their needs. The software is bundled with various features that are described below:

- The system allows Anonymous customers to browse, filter and customize packages according to their needs.
- The Itinerary Builder tool allows the customer to craft their own itinerary for the day by choosing preferred activities from a range of activities provided for the preferred destination.
- The customer, through the process of account creation, will have the option to become a member of the site.
- The customers can use the chat bot to guide them according to their budget and pick a travel destination.

Actors:

- Anonymous customer
- Registered customer
- Admin
- Payment processing system

Use Cases:

- Register
- Browse Tour Packages
- Customize Itinerary
- Chat Bot
- Book a Package
- User Login
- Admin Login
- Manage Packages

Description of Use Case Diagram:

➤ Anonymous Customer:

An unregistered customer is a guest who randomly scrolls through the website and has access to all features of the planner except package booking.

➤ Registered Customer:

A registered customer is a member of the site who has access to all features of the planner and has an exclusive privilege of booking a package.

➤ **Admin:**

An administrator is an actor responsible for all backend technical processes like managing the website, handling customer database, adding new tour packages, updating existing tour packages, and managing bookings.

➤ **Payment Processing System:**

The payment processing system is responsible for verification and validation of the user and the payment. It provides a gateway through which registered customers can book their package through any of the supported mode of payment - Debit Card/ Credit Card/ Net Banking.

➤ **Register:**

A new user can use the register module to become a member of the site. The registration process is the process of account creation through a username, email id, password, and contact number.

➤ **User Login:**

A registered user can use the user login module to log into their account. The user login process requires username/ email-id and a password. After validation of both, the user will be redirected to the homepage and browse through the website.

➤ **Admin Login:**

The administrator can use the admin login module to log into their account. The admin login process requires admin name/ email-id and a password as well. After validation of both, the admin will be redirected to the page where he can manage packages, bookings and the customer database.

➤ **Browse Tour Packages:**

Users, both anonymous and registered, can browse existing tour packages based on different filters such as preferred destination, duration of stay, and budget, and select the package best-suited for the user.

➤ **Customize Itinerary:**

Users, both anonymous and registered, can use the itinerary builder tool to craft their own package by choosing their preferred destination, duration of stay, and activities for each day from a range of activities provided for the preferred destination.

➤ **Chat Bot:**

Users, both anonymous and registered, can use the chatbot for guidance to pick an ideal destination or a budget-friendly tour package catering to the preferences of the user.

➤ **Book a package:**

A registered user alone has the privilege of booking a package. Once the user selects the desired package, he can proceed to book the selected package. After confirmation, the user will be redirected to a payment gateway where he can pay through the preferred mode of payment. After successful payment, the user is provided with a printable itinerary that can be downloaded for future use.

➤ **Manage packages:**

The administrator can manage the tour packages by adding a new tour package and updating an existing tour package.

Appendix:

➤ **Abstract use case:** Use case, which is inherited, by some use case is called as abstract use case.

➤ **Concrete use case:** Use case, which is directly inherited by actor, is called as concrete use case.

➤ **Recipient:** A person or thing that receives. In the online shopping system case, the recipient is the person who is receiving the services provided by the website.

Use Case Diagram:

