Requirement Analysis and User Stories for Online Event Management Platform

Requirement Analysis

Functional Requirements

- **User Registration and Authentication**: Users can sign up, log in, and manage their profiles.

- **Event Catalog**: Users can browse and view different events.

- **Search and Filter**: Users can search for events based on categories, location, and date.

- **Shopping Cart**: Users can add event tickets to a cart before purchasing.

- **User Reviews and Ratings**: Attendees can leave reviews and rate events.

- **Secure Checkout Process**: Users can securely purchase tickets.

- **User Profiles**: Organizers and attendees can manage their profiles.

- **Discounts and Promotions**: Admins and organizers can offer discounts on events.

- **Order Tracking**: Users can track their purchased tickets and order history.

- **Admin Panel**: Admins can manage users, events, and transactions.

Non-Functional Requirements

- **Scalability**: The system should handle a large number of users and events.

- **Security**: Secure authentication, encrypted payments, and data protection.

- **Usability**: Intuitive and user-friendly interface.

- **Performance**: Fast loading and seamless interactions.

User Stories (Using Gherkin Syntax)

Feature: User Registration and Authentication

As a user, I want to register and log in so that I can access my account.

Scenario: User Sign-Up

Given I am on the registration page

When I enter valid details and submit the form

Then my user account should be created successfully

And I should receive a confirmation email

Scenario: User Login

Given I have a registered account

When I enter valid credentials and log in

Then I should be redirected to my dashboard

Feature: Event Catalog

As a user, I want to browse events so that I can find events of interest.

Scenario: Viewing Event List

Given I am on the home page

When I navigate to the events section

Then I should see a list of available events

Feature: Search and Filter

As a user, I want to search and filter events so that I can quickly find relevant ones.

Scenario: Searching for an Event

Given I am on the events page

When I enter a search term

Then I should see relevant events matching my search term

Feature: Shopping Cart

As a user, I want to add event tickets to my cart so that I can purchase them later.

Scenario: Adding an Event Ticket to Cart

Given I am viewing an event

When I select a ticket and add it to my cart

Then the ticket should be added to my shopping cart

Feature: Secure Checkout Process

As a user, I want a secure checkout so that I can purchase tickets safely.

Scenario: Purchasing a Ticket

Given I have tickets in my cart

When I proceed to checkout and complete payment

Then my purchase should be confirmed

And I should receive a digital ticket via email

Feature: Payments with Visa Classic

As a Visa Classic Cardholder, I want to use my Visa Card for paying my purchases.

Scenario: The Visa Cardholder uses the Visa Classic for paying

Given I am a Visa Classic Cardholder

When I pay with my Visa Classic

Then my Visa card is accepted

Feature: User Reviews and Ratings

As a user, I want to leave reviews and ratings so that others can make informed decisions.

Scenario: Adding a Review

Given I have attended an event

When I submit a review and rating

Then my review should be stored and displayed under the event details

Feature: Admin Panel

As an admin, I want to manage events so that I can keep the event catalog up to date.

Scenario: Managing Events

Given I am logged into the admin dashboard

When I add, edit, or remove an event

Then the changes should be reflected in the event catalo