



## **10Pearls Shine Internship Program (Cohort 4)**

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### **Assignment #2**

#### **Requirement Analysis and User Story Writing using Gherkins**

##### **Requirement Analysis:**

1. Refine User requirements to identify the preferences and expectations in online book shopping.
2. Write clear and concise acceptance criteria for the scenarios
3. Define functional requirements, including user authentication, book catalog management, search functionality, and the shopping cart process.
4. Identify non-functional requirements, such as performance expectations.
5. Develop user stories to describe how users will interact with the system



## Requirement Analysis and User Story Writing using Gherkins (Document)

**Topic:** Online Event Management System

### 1. Refined User Requirements:

#### Event Organizers Expect:

- Easy account creation and authentication.
- Tools to create, manage, and promote events.
- Ability to track ticket sales and attendees.
- Options to send updates or cancellations.
- Insights via reports and analytics.

#### Attendees Expect:

- Simple registration and secure login.
- Search and filter events based on interest, location, or category.
- Smooth ticket booking and payment process.
- Instant confirmation and QR-based e-ticketing.
- Notifications about schedule changes or reminders.

#### General Preferences:

- Mobile responsiveness and fast load time.
- Easy navigation and user-friendly dashboards.
- Secure transactions and data privacy.
- Seamless communication between organizer and attendee.



## 2. Acceptance Criteria (Gherkin Scenarios:

### Scenario 1: Successful User Registration

- **Given** a new user is on the registration page
- **When** the user enters a valid name, email, and password
- **Then** the system should create a new user account
- **And** send a verification email to the user's email address

### Scenario 2: Organizer Creates a New Event

- **Given** an organizer is logged into their dashboard
- **When** the organizer fills in the event title, description, date, time, venue, and ticket details
- **Then** the system should save the event details
- **And** display the event in the public event catalog if set to public

### Scenario 3: Attendee Books a Ticket

- **Given** an attendee is logged in and viewing an event page
- **When** the attendee selects the ticket type and quantity
- **And** proceeds to the checkout and completes the payment
- **Then** the system should confirm the booking
- **And** send an e-ticket with a QR code to the attendee's email

### Scenario 4: Organizer Sends an Event Update

- **Given** an organizer wants to notify attendees of an update
- **When** they select the event and enter the update message
- **And** click the "Send Update" button
- **Then** the system should send an email notification to all registered attendees
- **And** update the event page with the new information

### Scenario 5: Admin Removes an Inappropriate Event

- **Given** an admin is logged into the admin dashboard
- **When** they view a flagged or reported event



- **And** decide the event violates community guidelines
- **Then** the system should allow the admin to delete or deactivate the event
- **And** send a notification to the event organizer

### 3. Functional Requirements:

- **User Registration & Login:** Via email or social logins; password recovery available.
- **Event Catalog:** Create/edit/delete events with rich media, ticket types, and visibility settings.
- **Search & Filter:** By name, date, location, category, price, popularity.
- **Ticketing System:** Booking interface with quantity selector, secure checkout, QR generation.
- **Profile Management:** Separate dashboards for attendees and organizers.
- **Notifications:** Email and push alerts for event updates or reminders.
- **Review & Ratings:** Attendees can submit feedback; ratings shown on event pages.
- **Admin Control Panel:** Manage users, events, disputes, and generate reports.

### 4. Non-Functional Requirements:

- **Performance:** The system should load pages in under 2 seconds under normal load.
- **Scalability:** Able to support thousands of concurrent users and events.
- **Security:** HTTPS encryption, secure payment gateways, and data protection.
- **Usability:** User-friendly interface and responsive design for desktop and mobile.
- **Availability:** 99.9% uptime with automatic recovery in case of server failure.



## 5. User Stories (Gherkin Style):

### User Story 1: Registration & Login

- **Feature:** User Registration
- **As a** new user,  
**I want to** register with my email and password,  
**So that** I can manage or attend events.

### User Story 2: Event Creation

- **Feature:** Event Creation
- **As an** organizer,  
**I want to** create and publish events,  
**So that** people can register for them.

### User Story 3: Booking Tickets

- **Feature:** Booking Tickets
- **As an** attendee,  
**I want to** select and pay for tickets online,  
**So that** I can attend events easily.

### User Story 4: Search Events

- **Feature:** Search Events
- **As a** user,  
**I want to** filter and search events by interest or location,  
**So that** I find relevant options quickly.

### User Story 5: Notifications

- **Feature:** Notifications
- **As an** attendee,  
**I want to** receive timely updates about event changes,  
**So that** I stay informed without checking manually.



## **User Story 6: Feedback System**

- **Feature: Feedback System**
- **As an** attendee,  
**I want to** rate and review events,  
**So that** I help others and organizers improve.

## **User Story 7: Admin Monitoring**

- **Feature: Admin Monitoring**
- **As an** admin,  
**I want to** monitor activities and remove inappropriate content,  
**So that** the platform remains safe and organized.