

# Event Booking Website Final Project Report

**Course:** INFO 6150 - Web Design and User Experience Engineering

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## 1. Project Description

### Purpose

- **Problem:** Managing event bookings and tracking attendance manually can be cumbersome for both students and organizers.
- **Solution:** The **Event Booking Website** streamlines the process by allowing organizers to manage events and users (students) to book and view events locally.

### Target Users

- **Students:** To discover, book, and manage event participation.
- **Organizers:** To create, edit, and manage events efficiently.

### Expected Results

- Provide a simple yet professional event management platform with local storage integration.

## 2. Persona Analysis

### Persona 1: Student User

- **Demographics:** 20 years old, undergraduate student attending university events.
- **Goals:** Find interesting events, book slots easily, and track participation.
- **Pain Points:** Lack of an organized way to view and manage event bookings.

### Persona 2: Event Organizer

- **Demographics:** 28 years old, part of a university event management team.
- **Goals:** Create, manage, and track event attendees effectively.

- **Pain Points:** Difficulty keeping track of attendees and event updates manually.

### 3. User Journeys

#### User Journey 1: Student (Hasnain)

- **Actions:**
  - Log in as "Hasnain" → View Booked Events → Book a slot in "Music Fest."
- **Opportunities:**
  - Allow easy event booking with clear details and booking options.
  - Enable modification or cancellation of bookings based on availability.

#### User Journey 2: Organizer (CSN)

- **Actions:**
  - Log in as "CSN" → Create a new event → Edit event details → View attendee list.
- **Opportunities:**
  - Simplify event creation with a user-friendly form.
  - Provide a clear overview of attendees for better tracking.

### 4. Sitemap and Processes

#### Sitemap

sql

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```
/ (Login Page)
├─ User Login
│   ├── Booked Events
│   ├── Available Events
│   └─ Profile
└─ Organizer Login
    ├── Create Event
    ├── Edit Event
    └─ Attendees
```

#### Processes

##### 1. User Login Flow:

- Pre-assigned users "Hasnain" and "Aman."
  - Navigate to Booked Events, Available Events, or Profile.
2. **Organizer Login Flow:**
- Pre-assigned organizers "CSN" and "Junoon."
  - Manage events: Create, Edit, or View Attendees.

## 5. Low-Resolution Mockups

### Mockup 1: User Dashboard

- **Components:**
  - Buttons for Booked Events, Available Events, and Profile.
  - Clear layout for ease of navigation.

### Mockup 2: Organizer Dashboard

- **Components:**
  - Options to Create Event, Edit Event, and View Attendees.
  - Simple, intuitive form for event creation and editing.

## 6. Typography and Color Palette

### Typography

- **Font Choices:**
  - **Headings:** Open Sans for modern, clean headings.
  - **Body Text:** Roboto for readability.

### Color Palette

- **Primary Colors:**
  - Blue (#1976D2): Represents trust and efficiency.
  - Green (#43A047): Indicates success and action.
- **Secondary Colors:**
  - Gray (#616161): Provides neutral contrast.
  - Yellow (#FBC02D): Highlights important elements.

## 7. Website Code and Deployment

### Code Implementation

- Developed using **HTML**, **CSS**, and **JavaScript**.
- All data (users, organizers, and events) stored locally using **LocalStorage**.

## Features

- **Student Pages:**
  - Booked Events: View details, modify, or cancel bookings.
  - Available Events: Book slots for new events.
  - Profile: View user details and log out.
- **Organizer Pages:**
  - CRUD functionality for event management.

## 8. Specialty Requirements

### Option 1: Delightful Design

- Applied advanced design principles with a professional layout.
- Created intuitive navigation to guide users effortlessly.

### Option 2: JavaScript Mastery

- Utilized JavaScript techniques:
  - LocalStorage for persistent data.
  - Dynamic UI updates for event status.
  - Form validation for event creation and booking.

## 9. Future Scope and Learnings

### Future Scope

- **Authentication System:** Add secure login and user verification.
- **Backend Integration:** Store data in a cloud-based database for scalability.
- **Analytics Dashboard:** Provide event insights for organizers.

### Learnings

- Strengthened understanding of front-end design and local storage integration.
- Enhanced skills in creating intuitive user interfaces and managing role-based functionality.

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## 10. Conclusion

The **Event Booking Website** project showcases practical application of web design principles with local storage for simplicity. By addressing the needs of both students and organizers, it offers a functional, user-friendly event management solution.

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