

Team Project Proposal - Best Seat

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Introduction

This is a proposal for an event registration application where users can login, choose an event, and reserve a seat for that event.

Project Summary

Project Name	Best View
Short Description	Seat registration application where users can login, choose an event, and reserve a seat for that event
Team Enthusiasm Rank (1–10)	----
Team Confidence (1–10)	----
Product Owner	Matthew Boubin (mjb9353)

Project Details

Name

Best View

Description

Best View is an applications where vendors can create an instance of an event by listing the time when an event will be occurring and the space it will be held in. Each vendor space will have an associated seating layout that will be rendered in the front end of the application. Event attendees can login to a user profile, choose an event, view the available seats within the event space layout, and reserve a seat for that event. Event attendees will be expected to complete a mock payment process workflow in order to officially secure their spot for the event.

Problem Statement

Event vendors generate income from customers by selling them tickets to events. In event spaces where there are assigned seats, customers often would prefer to sit in a particular section. Best Seat allows users to view the layout of a theater and choose the seat that best fits their needs when buying a ticket for an event.

User Personas and Major Features

- **Target Users:** Event Attendees, Event Vendors.
- **Major Features:** List key functionality.

MVP (Minimum Viable Product)

- **User Profiles** - users can create a profile to login to and associate events with themselves as an identifiable user.
- **Vendor Profiles** - event vendors can create and manage a profile to post events
- **Seating for Single Event space** - users and vendors can view a seating layout of the event space in the app.
- **Reservable seating** - users can reserve seats in the layout for a specific event that vendors have created.
- **Mock payment processing** - The users will go through a payment workflow to reserve a seat for an event hosted by a vendor.
- **Holding Timer for Reservations** - There will be a holding cooldown associated with the user's registration as they go through the process of completing the payment for their reservation (idempotency problem)

MLP (Minimum Lovable Product)

- **Events Feed** - a feed of available events that users can see when logged into their account
- **Multiple Event Space Layouts** - vendors have the ability to create custom event layouts
- **Multiple Reservations** - users have the ability to reserve multiple seats for a particular event in the same payment workflow as the reservation of single events.

Nice-to-Have Features

- **Event Notifications** - Users can receive updates when events are created and available in their feed.
- **View other user reservations** - Users can view the behavior of other users and their reservations (very hard and possibly expensive)
- **Gifting a reservation to another user** - when reserving multiple seats for an event, the user can 'gift' one of their reservations to an other identifiable user in the app.

CRUD Features

How is this project interactive for the user personas?

Admin

- **Create** - Event Space, User Profile, Vendor Profile, Event Instance
- **Read** - Event Seating Layout with Reservations, Users, Vendors
- **Update** - Event Space, User Profile, Vendor Profile, Event Instance
- **Delete** - Event Space, User Profile, Vendor Profile, Event Instance

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Event Attendee

- **Create** - User Profile, Event Registrations
- **Read** - Vendor Event List, Event Seating Layout
- **Update** - Event Registration (seat), User Profile Attributes
- **Delete** - Event Registration, User Profile

Event Vendor

- **Create** - Vendor Profile, Event Instances
- **Read** - My vendor events, User Registrations to events
- **Update** - Event Layout, Vendor Profile, Event Instance
- **Delete** - Event Layout, Vendor Profile, Event Instance

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Similar Already Existing Applications

- TodayTix
- Stubhub
- TicketMaster
- SeatGeek
- AMC Theatres