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**Event Management Systems**

# **Atomicity**



**Department of Electronics and Communication Engineering, ITNU**

**Minor Project**

**Under Guidance of Dr. Sachin Gajjar**

**Review 1**

**Developed by-**  
**21BEC079 Vyom Padalia**  
**21BEC086 Parth Thakkar**

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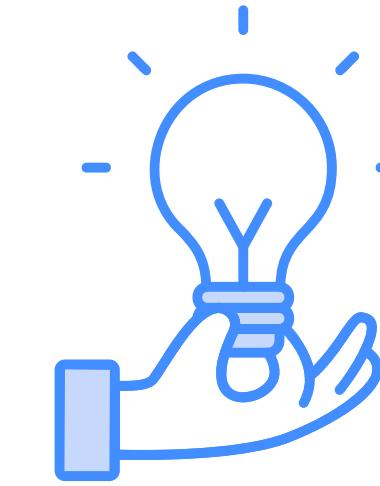
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## Origin Of Idea

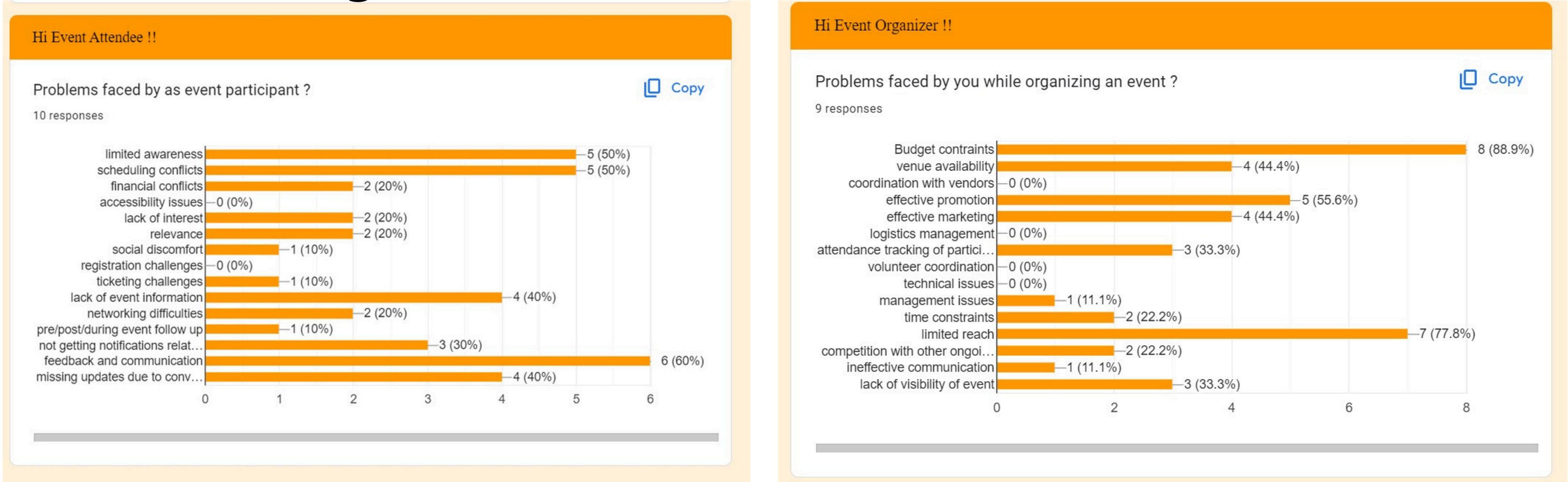
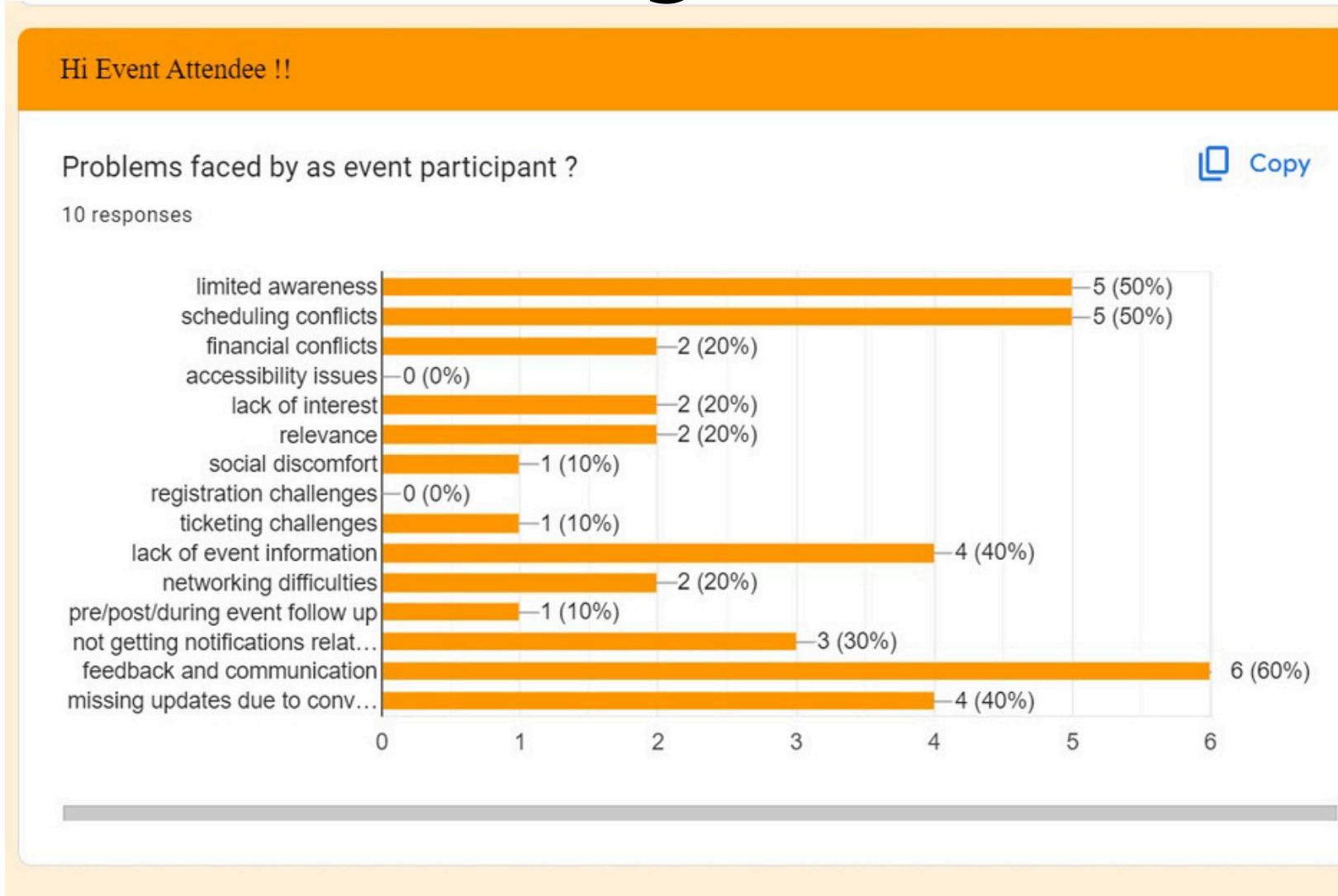


## Preliminary study

- We explored existing event management systems such as Eventbrite and CampusLabs.
- Talked to club members on field for their response.
- Took survey from student.

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# Survey & Analysis





## Prologue

Event management has always been a crucial part of college life, bringing students together for academic, cultural, and technical events. Traditionally, event registrations and information dissemination were handled manually, making the process inefficient. With the advent of technology, online event management platforms have become essential in streamlining event handling and making information accessible to all.



## Motivation

The motivation behind choosing this project lies in addressing the inefficiencies and difficulties in managing college events manually. As students, we've experienced confusion over event details, registrations, and schedules. Our platform aims to simplify event coordination and provide students and faculty with an accessible and efficient system for event management.



## Objective

The objective of this project is to develop a centralized online platform where all college events can be listed, registered for, and managed. It allows users to view event details, register for upcoming events, and track their participation history. Event organizers can seamlessly manage registrations and communicate updates.



## Problem Statement

To design and implement an online platform that centralizes all event-related information and automates the registration process for college events, enhancing accessibility and participation.



## Approach

We plan to develop a web-based event management system using modern web development technologies like Next.js for frontend and backend , and MongoDB for data storage. The system will handle event listings, user authentication, event registration, and updates. Additionally, features like search, filters, and reminders will be implemented to enhance user experience.



Frontend & Backend

NextJS



Language

TypeScript



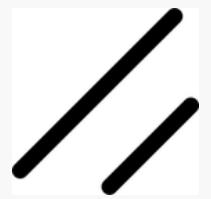
Code Editor

VS Code



Hosting

Vercel



UI Framework

Shadcn UI



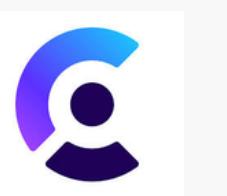
Version Control

Github



API Testing

Postman



Authentication

Clerk



## Tools and Technologies Used

## Work Done & To Do

### Phase-1



- Defined project scope
- Backend: defined routes, add user, add events, register event
- frontend: basic ui, all events page, single event page, user profile page
- database: user, admin,event schema
- authentication: clerk signin signup

July-August

### Phase-2



- role based authorization
- admin stats
- club page

September

### Phase-3



- real time notification,
- payment gateway
- extra can be added/ future scope: attendance recommendation,

October-December

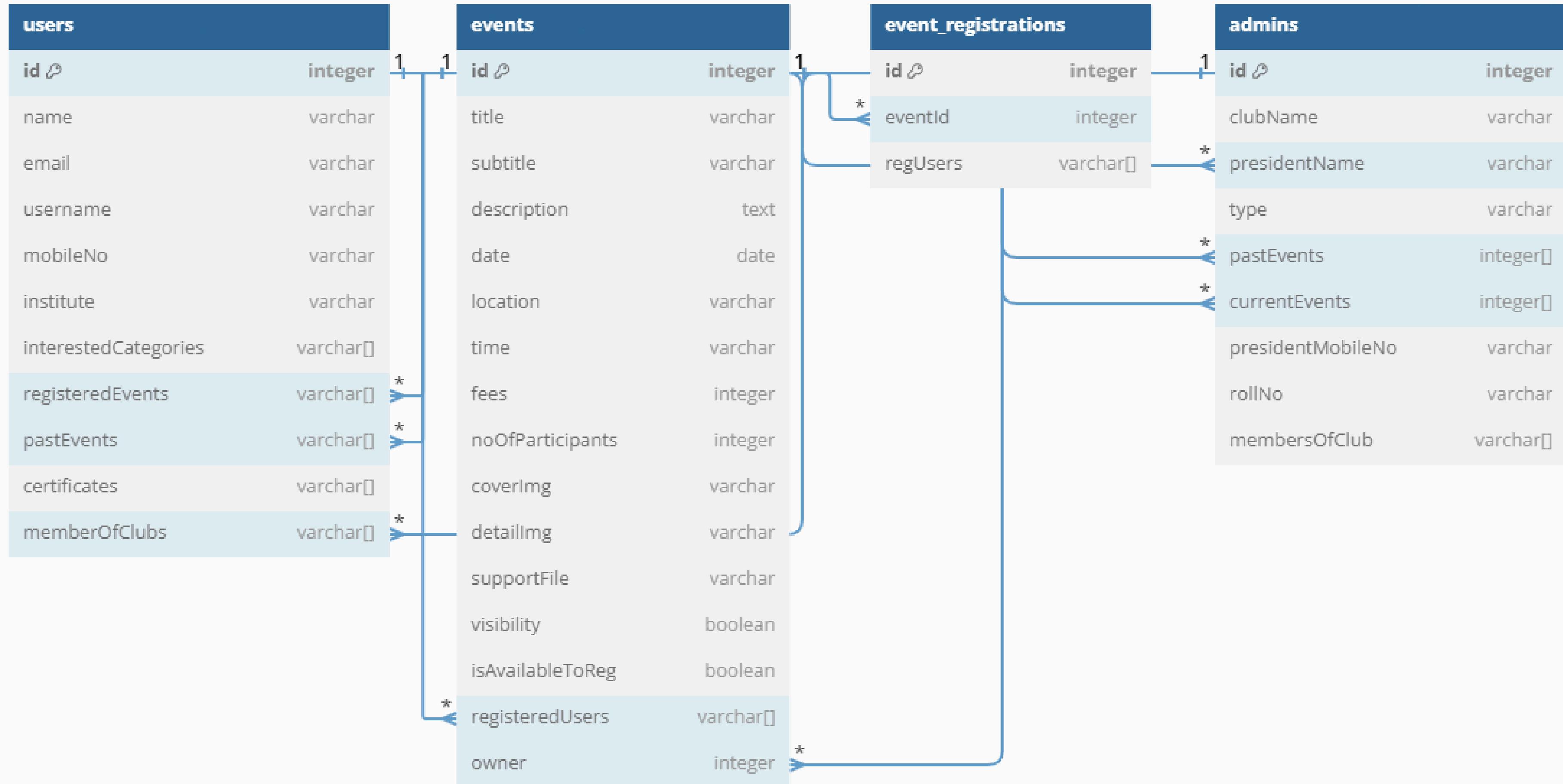


## Future Work

- Adding advanced features like event reminders, notifications, and user-specific event recommendations.
- Expanding the platform to support payments for paid events.
- Developing a mobile-friendly version of the platform.

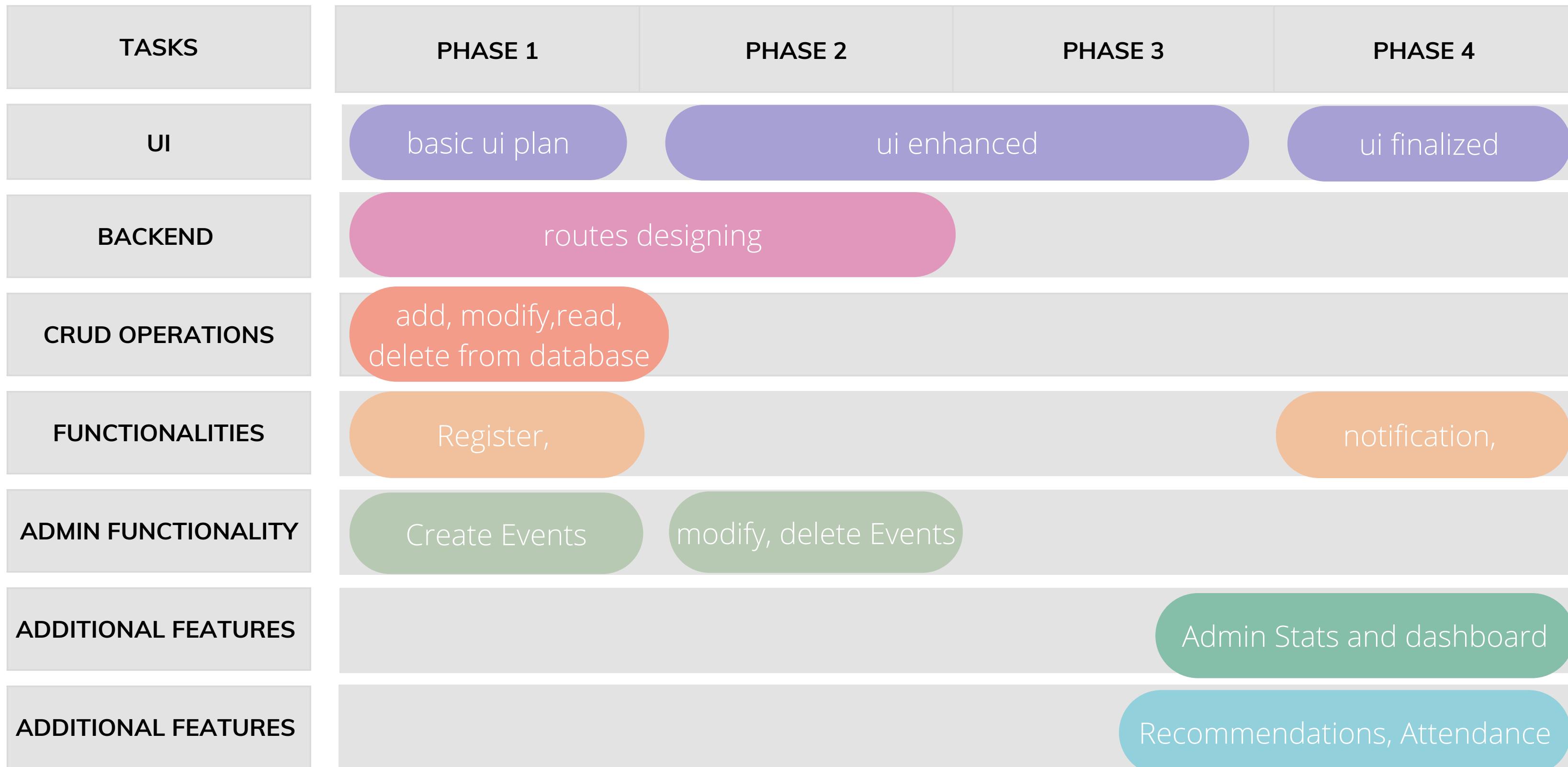
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## Relational Model Design



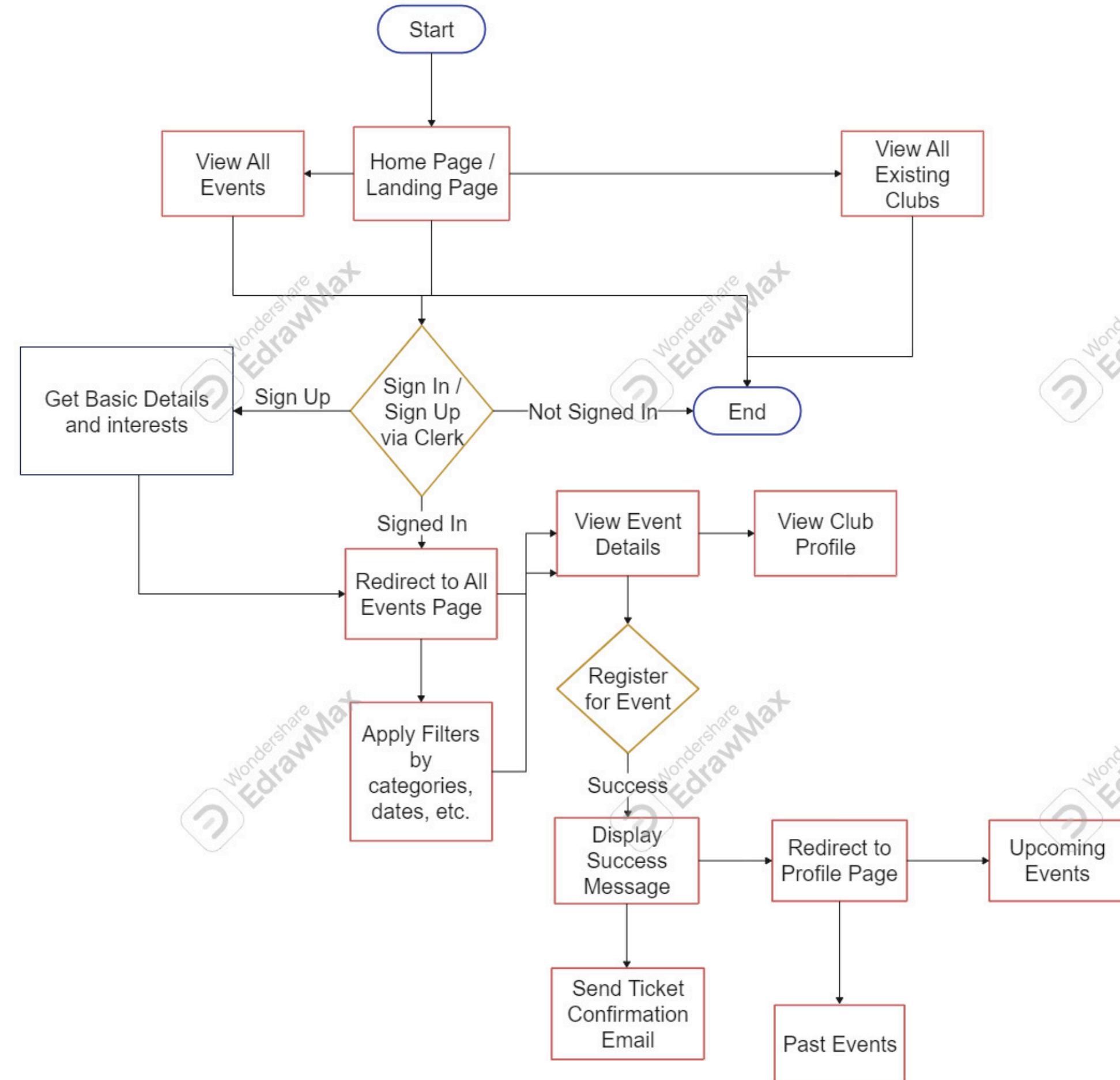
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## GANTT CHART EVENT MANAGEMENT SYSTEM

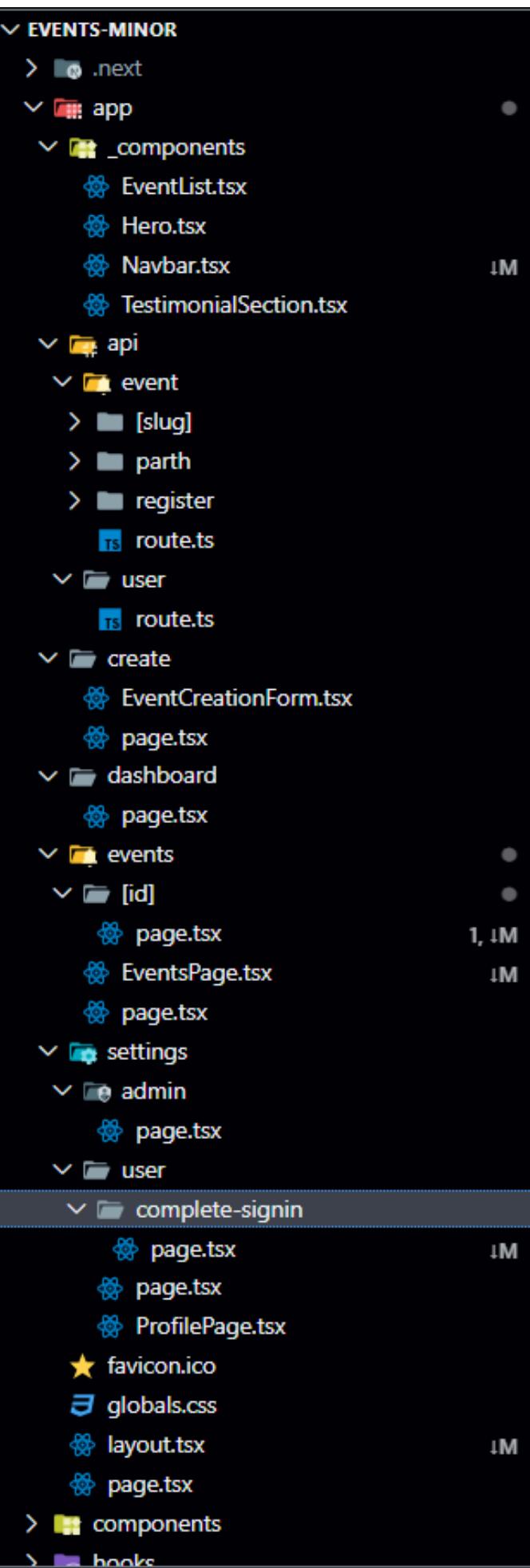


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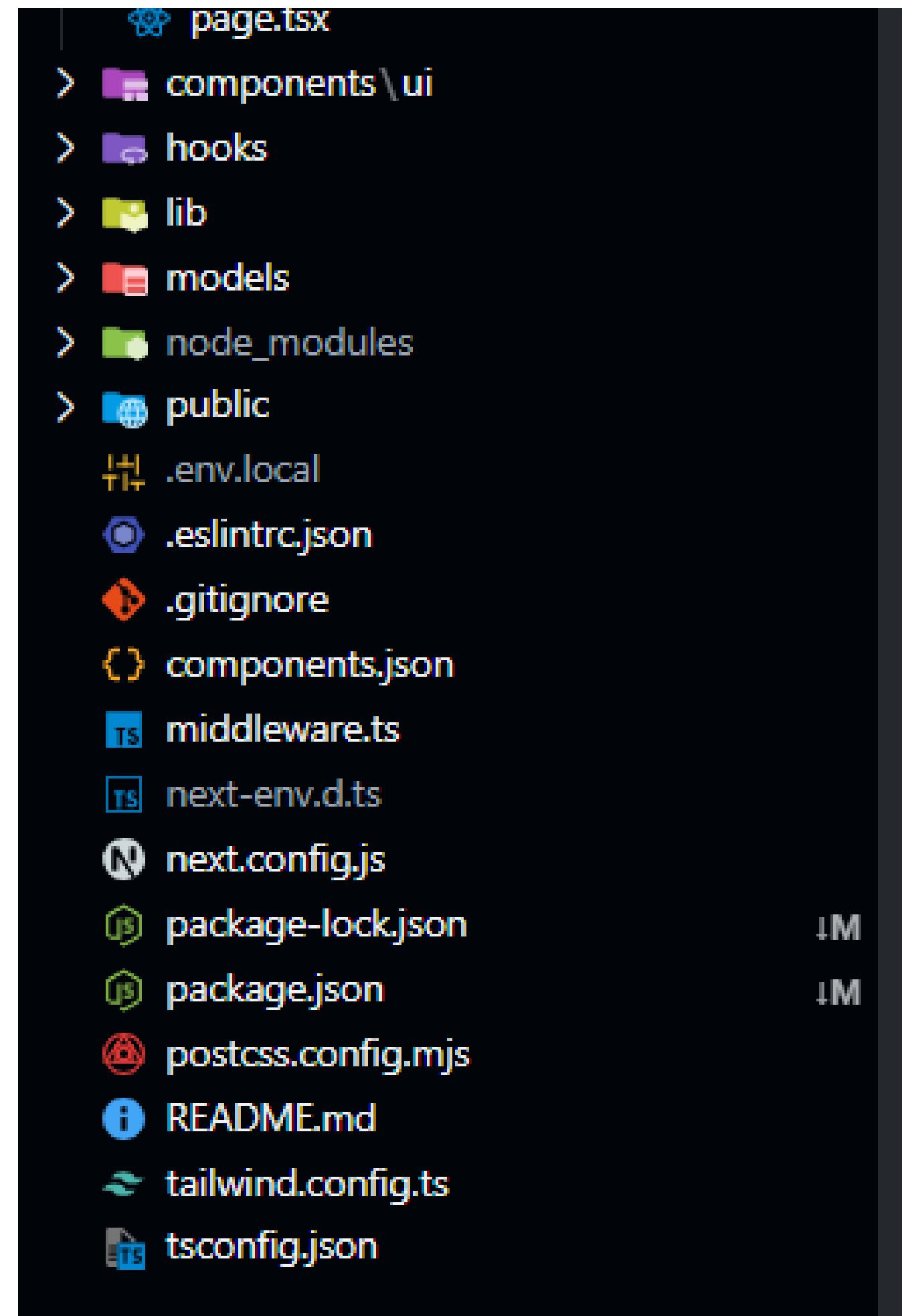
# Flow Chart



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```
EVENTS-MINOR
  .next
  app
    _components
      EventList.tsx
      Hero.tsx
      Navbar.tsx
      TestimonialSection.tsx
    api
      event
        [slug]
        path
        register
        route.ts
      user
        route.ts
    create
      EventCreationForm.tsx
      page.tsx
    dashboard
      page.tsx
    events
      [id]
        page.tsx
        EventsPage.tsx
        page.tsx
    settings
      admin
        page.tsx
      user
        complete-signin
          page.tsx
          page.tsx
          ProfilePage.tsx
          favicon.ico
          globals.css
          layout.tsx
          page.tsx
    components
    hooks
```



```
page.tsx
components\ui
hooks
lib
models
node_modules
public
.env.local
.eslintrc.json
.gitignore
components.json
middleware.ts
next-env.d.ts
next.config.js
package-lock.json
package.json
postcss.config.mjs
README.md
tailwind.config.ts
tsconfig.json
```

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# References

Eventbrite

<https://www.eventbrite.com>

AllEvents

<https://www.allevents.in>

Paytm Insider

<https://insider.in>

BookMyShow

<https://in.bookmyshow.com>

Shade CN

<https://ui.shadcn.com/>

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# Thank You



<https://atomicity.vercel.app>