

# Event Scheduler

## Note To Self:

1. Give overview of the project.
2. Explain how you approached the designing of frontend and backend.
3. For frontend explain how you used reusable code, optimized performance(Web vitals), used services for modular code etc.
4. For backend explain how you designed database(what were entity and relationships), code structure, separation of concern, DTOs etc.
5. Explain what challenges you faced and how you overcame(Cycle DI)

## Objective:

1. Creating a portal where users can subscribe to an event.
2. The event should be created by admin users.
3. The users need approval from the admin to get invited to an event.
4. Event can be of invite, paid and free type.

## Key Features

1. Two types of users: Admin, Normal Users
2. Only admin can create an event
3. Normal Users has to request to join the event
4. Admin needs to approve the user to let him/her join the event
5. Event can be free and paid type
6. Ticket type: Free, Price and Invite

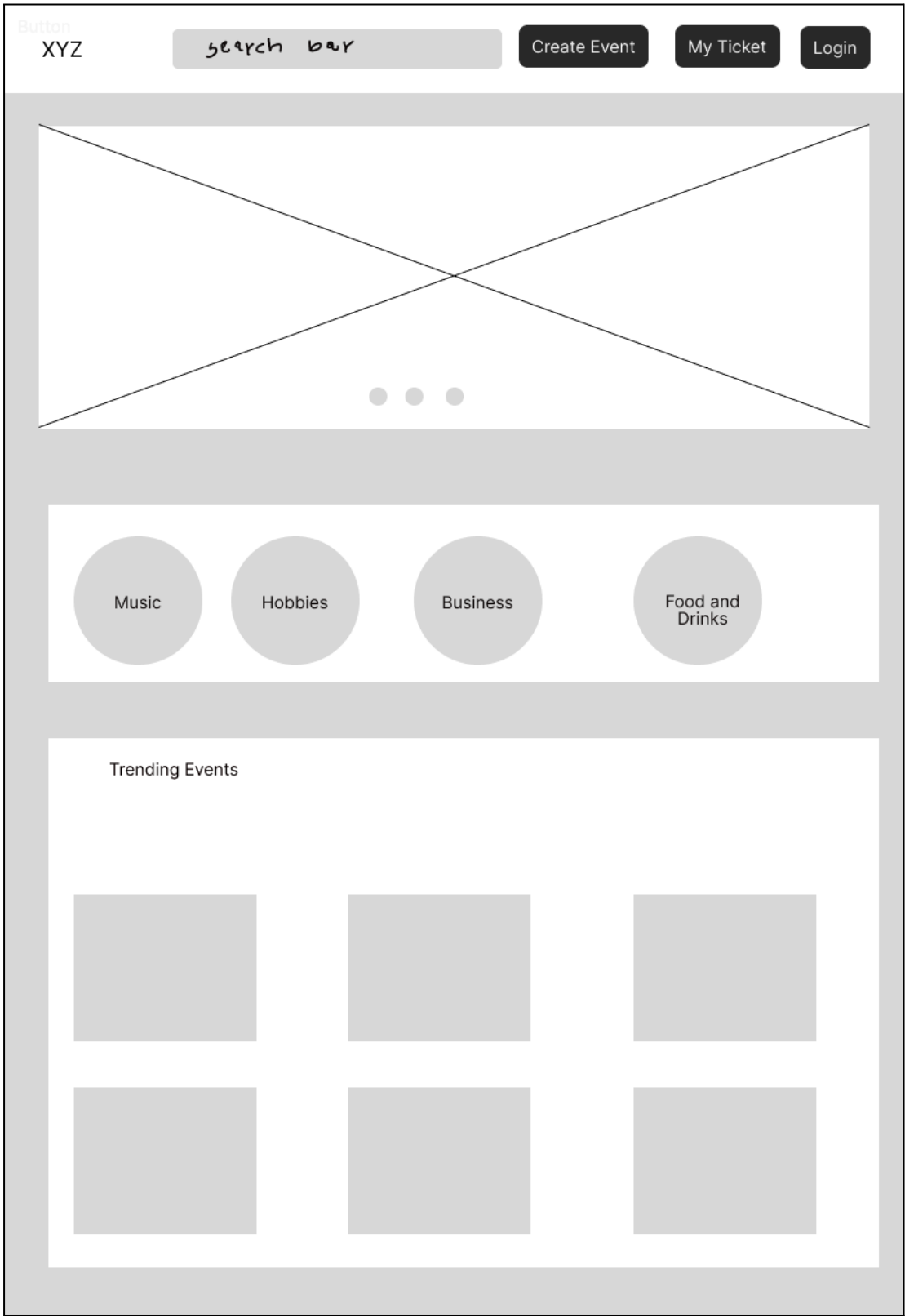
# **FrontEnd:**

**Tech Stack: Angular v17, CSS, HTML**

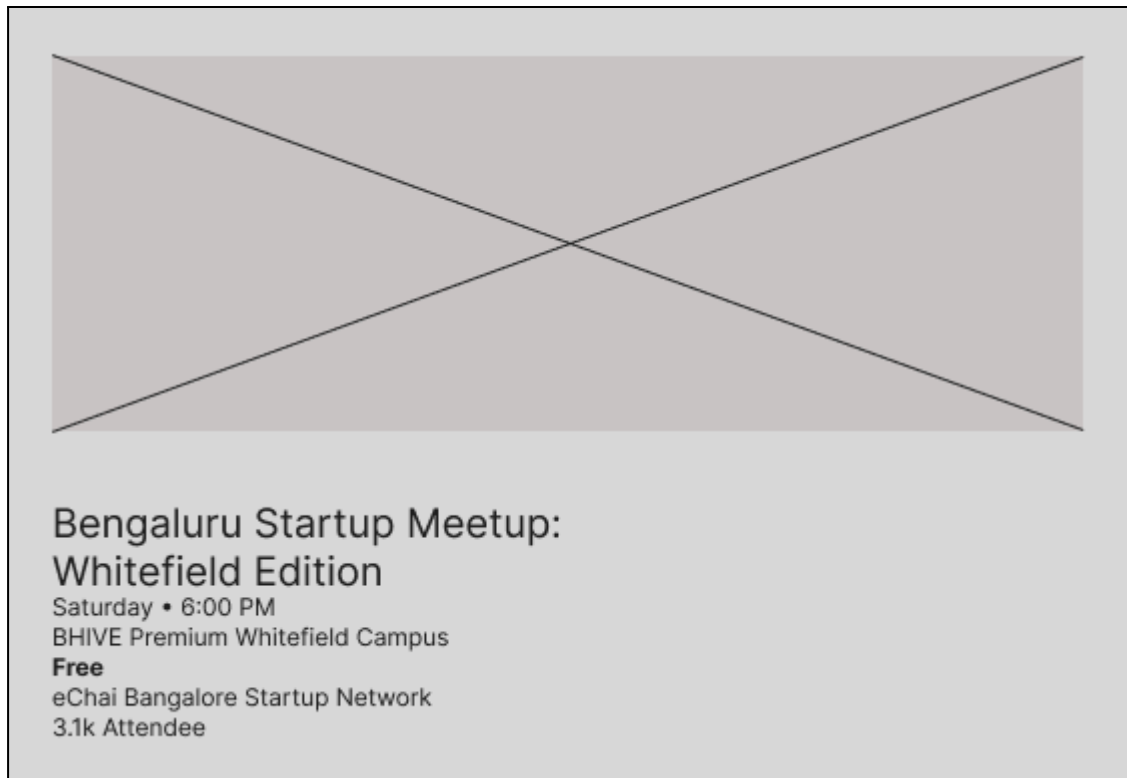
## **Key Features:**

- 1. User intuitive interface**
- 2. Modular Code(Separation of Concern)**
- 3. Reusable Components**
- 4. Optimize performance**
- 5. Robust Error Handling and showing Error Message**

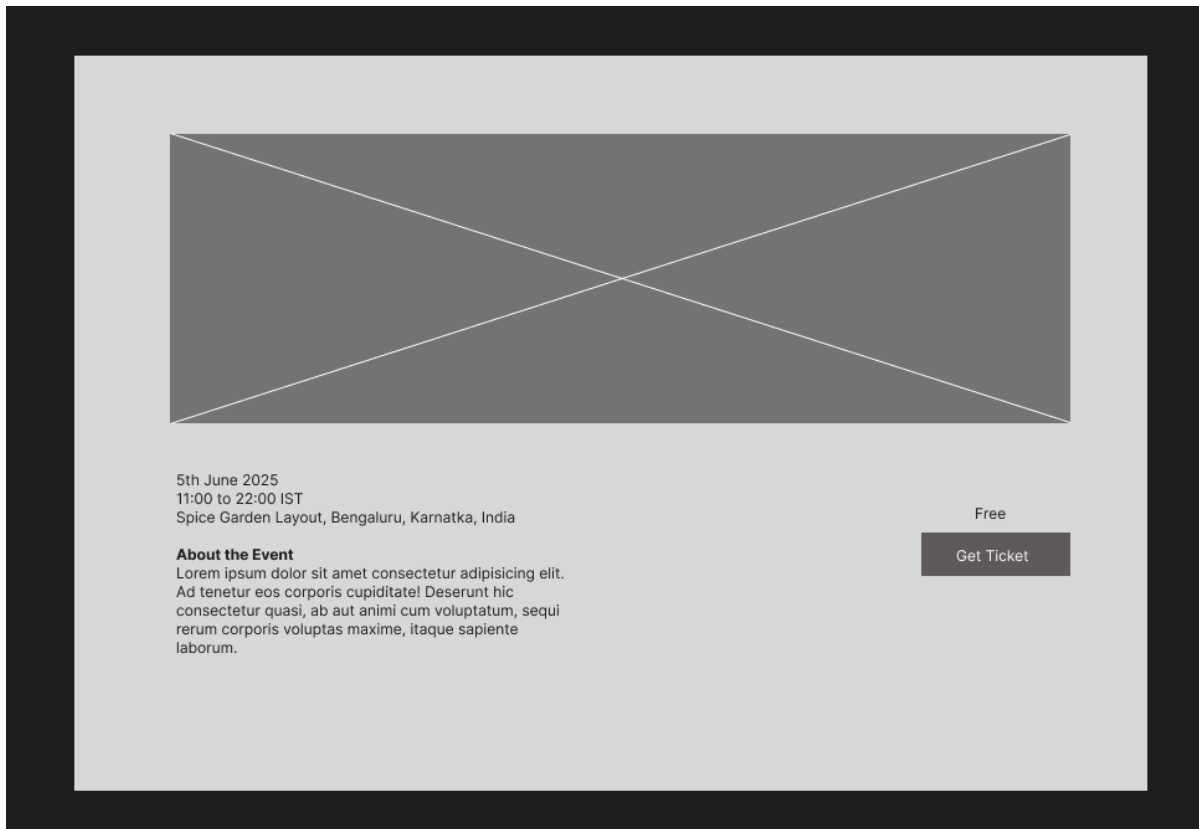
# Home Page



## Event Card



## Event Detail



## Backend

Tech Stack: [Asp.Net](#) Core Web API, Nugget Packages

### Key Features:

1. Scalable Architecture
2. Modular Code
3. Robust Error Handling Mechanism
4. Well Commented Code
5. SOLID and OOPs Principle
6. Authentication and Authorization Mechanism(JWT)

# Database Design



## Folder Structure

```
/YourProject
|
├─ Controllers/      # API Controllers
├─ Models/           # Data Models / DTOs
├─ Data/             # Database context and configuration
├─ Repositories/     # Interfaces & implementations for data access
├─ Services/         # Business logic layer
├─ DTOs/             # Data Transfer Objects
├─ Mappings/         # AutoMapper profiles
├─ Middleware/       # Custom middleware
├─ Filters/          # Action filters, exception filters
├─ Utilities/        # Helpers, extensions, constants
├─ Program.cs        # Entry point (.NET 6+)
├─ appsettings.json  # Configuration
└─ YourProject.csproj
```