

## 1. Event Buddy: Project Proposal

### Overview

#### What is the problem we are trying to solve?

People often struggle to find interesting events nearby that match their preferences. They may miss out on events due to lack of awareness or find it inconvenient to manage event details in one place.

#### Why are we doing this?

We aim to make discovering and planning events easier, connecting people with activities that align with their interests and helping them manage event logistics effortlessly.

#### Who is the audience?

The primary audience includes:

- Individuals looking for local events such as concerts, workshops, or community gatherings.
- Event enthusiasts who frequently attend or plan outings.
- Casual users seeking occasional recommendations for things to do.

### Major Functions of the Application

#### 4. Event Search and Discovery:

- Users can search for events by category (e.g., music, food, fitness), date, and location.
- Filter options for free/paid events or specific keywords.

#### 5. Event Details View:

- Displays event details like description, location, date, time, and ticket information.
- Integrates with Google Maps for directions.

#### 6. User Profile and Favorites:

- Users can save favorite events and view them in a personalized dashboard.

#### 7. Social Sharing and RSVP Management:

- Share events directly via social media or email.
- Add events to a calendar app (Google Calendar or Outlook).

#### 8. Recommendation System:

- Suggests events based on past searches or preferences.

## 9. Responsive Design:

- Mobile-first, optimized for various screen sizes.

### Wireframes

#### Mobile Wireframes:

- **Home Page:** Search bar, category filters, and trending events.
- **Event Details Page:** Title, image, description, location map, and action buttons (e.g., RSVP, Save).
- **Profile Page:** List of saved events and user preferences.

#### Desktop Wireframes:

- **Home Page:** Expanded search options and a grid layout for events.
- **Event Details Page:** More detailed layout with side-by-side information and actions.

### External API Data Source(s)

- **Primary API:** Eventbrite API
  - Provides event details, categories, locations, and ticketing information.
- **Secondary API:** Google Maps API
  - For map rendering and location directions.

### Initial Module List

17. **Search Module:** Handles event search and API calls.
18. **Event Details Module:** Displays event details and integrates Google Maps.
19. **User Profile Module:** Manages saved events and user preferences.
20. **UI Components:** Common elements like navigation bar, buttons, and modals.
21. **Recommendation Engine:** Filters and suggests events based on preferences.

### Colors/Typography/Styling

- **Colors:**
  - Primary: #3A86FF (Bright Blue)

- Secondary: #8338EC (Vibrant Purple)
- Neutral: #F1F1F1 (Light Gray), #222222 (Dark Gray)
- **Typography:**
  - Primary Font: *Roboto* (Sans-serif, modern and clean).
  - Secondary Font: *Montserrat* (Sans-serif, bold headers).
- **Styling Elements:**
  - Animated search bar with focus effect.
  - Smooth hover animations on event cards.
  - CSS transitions for modal opening/closing.

### Schedule

Week	Milestone	Description
Week 5	Planning and Setup	Finalize wireframes, create API connections, and set up project structure.
Week 6	Core Features	Implement search, event display, and Google Maps integration.
Week 7	User Profile & Favorites	Add user dashboard and functionality to save events.
Week 5	Final Touches & Deployment	Resolve bugs, improve performance, and deploy the application.