

PRESENTED BY :
GROUP 12

CAVENT

Anggota Kelompok:

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- 2702248686 - Yudhistira
- 2702216021 - Adrian Ananta
- 2702223683 - Kevin Erdianto Simon

PENDAHULUAN

LATAR BELAKANG

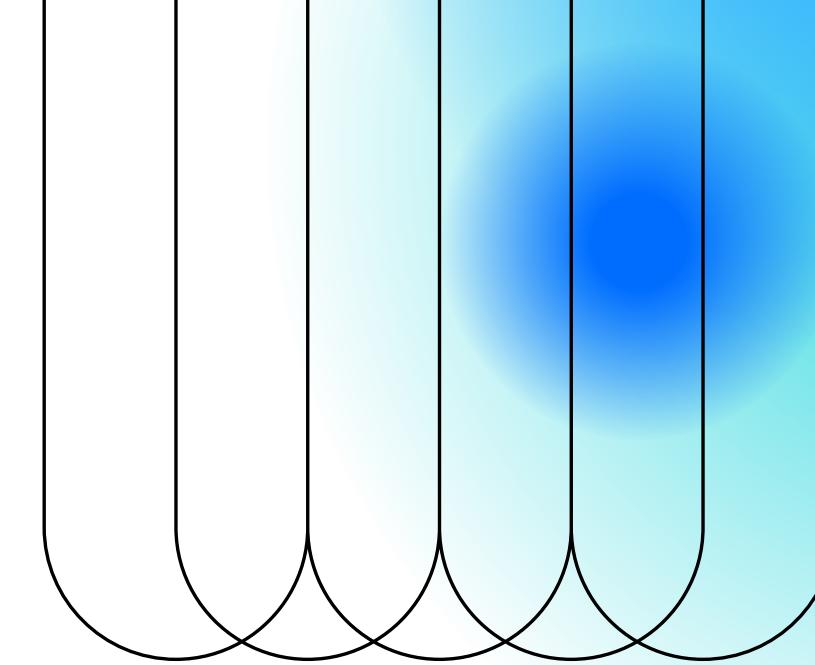
Mahasiswa kesulitan menemukan event antar kampus karena informasi yang terfragmentasi, sementara penyelenggara sulit menjangkau audiens luas. Platform yang ada belum efektif dan berkelanjutan. Cavent hadir sebagai solusi terpusat untuk menghubungkan mahasiswa dengan event serta membantu penyelenggara memperluas jangkauan, demi meningkatkan partisipasi dan konektivitas antar mahasiswa.

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PROBLEM

- Informasi event kampus tersebar dan tidak terpusat
- Mahasiswa sulit menemukan event sesuai minat
- Penyelenggara kesulitan menjangkau mahasiswa lintas kampus
- Partisipasi rendah dan manajemen peserta kurang efisien



SOLUTION - CAVENT

Cavent adalah platform terpusat yang memudahkan mahasiswa menemukan dan mendaftar event antar kampus sesuai minat melalui pencarian cerdas dan rekomendasi. Bagi penyelenggara, Cavent memperluas jangkauan promosi dan menyediakan fitur manajemen event yang efisien, sehingga meningkatkan partisipasi dan efektivitas acara.

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RUMUSAN MASALAH

- **MASALAH 1**

Bagaimana merancang arsitektur dan antarmuka pengguna (UI/UX) platform web "Cavent" yang intuitif dan responsif untuk memfasilitasi pencarian serta pendaftaran event bagi mahasiswa?

- **MASALAH 3**

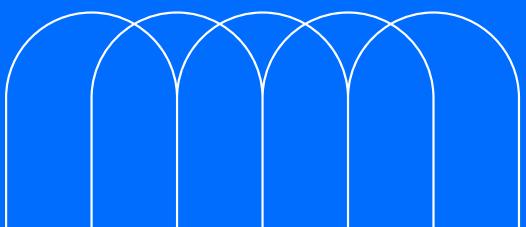
Bagaimana membangun sistem pengelolaan event bagi penyelenggara (organisasi kemahasiswaan, dosen, perusahaan) agar dapat dengan mudah mempublikasikan dan mengelola peserta event di "Cavent"?

- **MASALAH 2**

Bagaimana mengimplementasikan fitur-fitur utama "Cavent" seperti pencarian event berdasarkan kategori/minat, rekomendasi event, dan sistem pendaftaran yang efisien untuk mahasiswa?

- **MASALAH 4**

Bagaimana menguji fungsionalitas dan kelayakan prototipe platform "Cavent" dalam memenuhi kebutuhan mahasiswa dalam mencari event lintas kampus dan penyelenggara dalam menjangkau audiens yang lebih banyak?



TUJUAN & MANFAAT



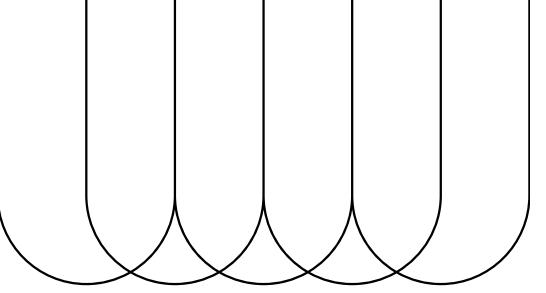
TUJUAN

- Mengembangkan prototipe platform web Cavent sebagai pusat informasi event mahasiswa
- Mempermudah mahasiswa menemukan dan mendaftar event
- Membantu penyelenggara menjangkau audiens lebih luas
- Meningkatkan partisipasi mahasiswa dalam kegiatan non-akademik



MANFAAT

- Mahasiswa lebih mudah mengakses event yang relevan dengan minat dan pengembangan diri
- Pendaftaran event lebih cepat dan efisien
- Penyelenggara dapat mempromosikan dan mengelola acara dengan jangkauan lebih luas
- Mendukung pengembangan soft skills dan jaringan lintas kampus



RUANG LINGKUP

USER TARGET

Mahasiswa dan penyelenggara event di lingkungan kampus

PLATFORM

web-based application

JENIS EVENT

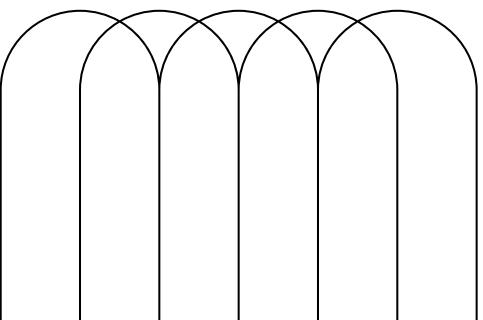
Event akademik, organisasi, dan kegiatan kemahasiswaan

AKSES

Terbuka khusus untuk mahasiswa

FITUR YANG DIKEMBANGKAN

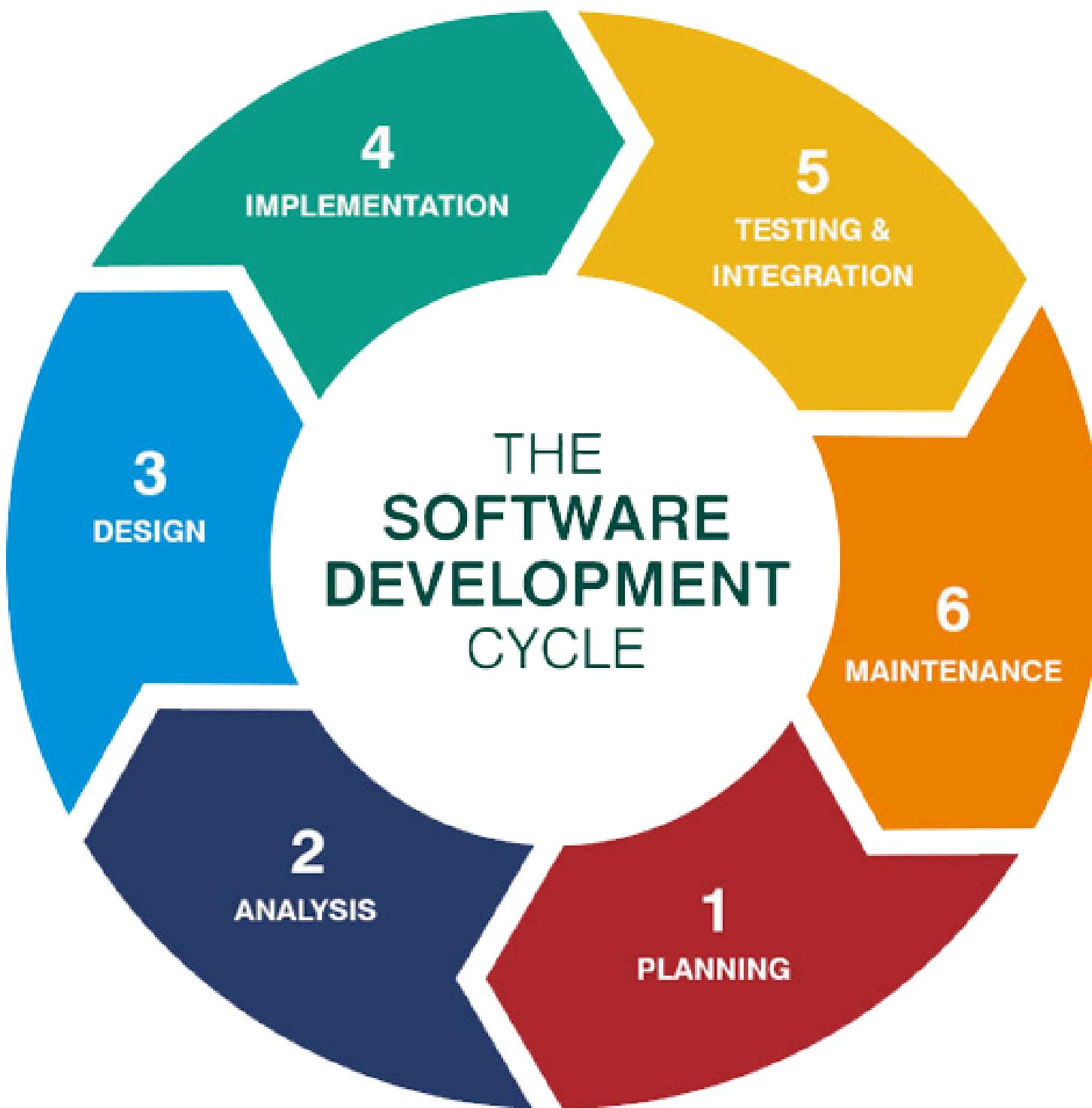
- Authentication system (Login/Register)
- Event discovery dan search
- Event registration system
- Event Recommendation
- User profile management
- Event management dashboard



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METODOLOGI PENELITIAN

AGILE DEVELOPMENT



PLANNING & ANALYSIS

- Requirement Gathering
- System Architecture Design

DESIGN

- UI/UX Design (Figma)
- System Flow

IMPLEMENTATION

- Frontend (React)
- Backend (Gin Gonic)
- Database (PostgreSQL)

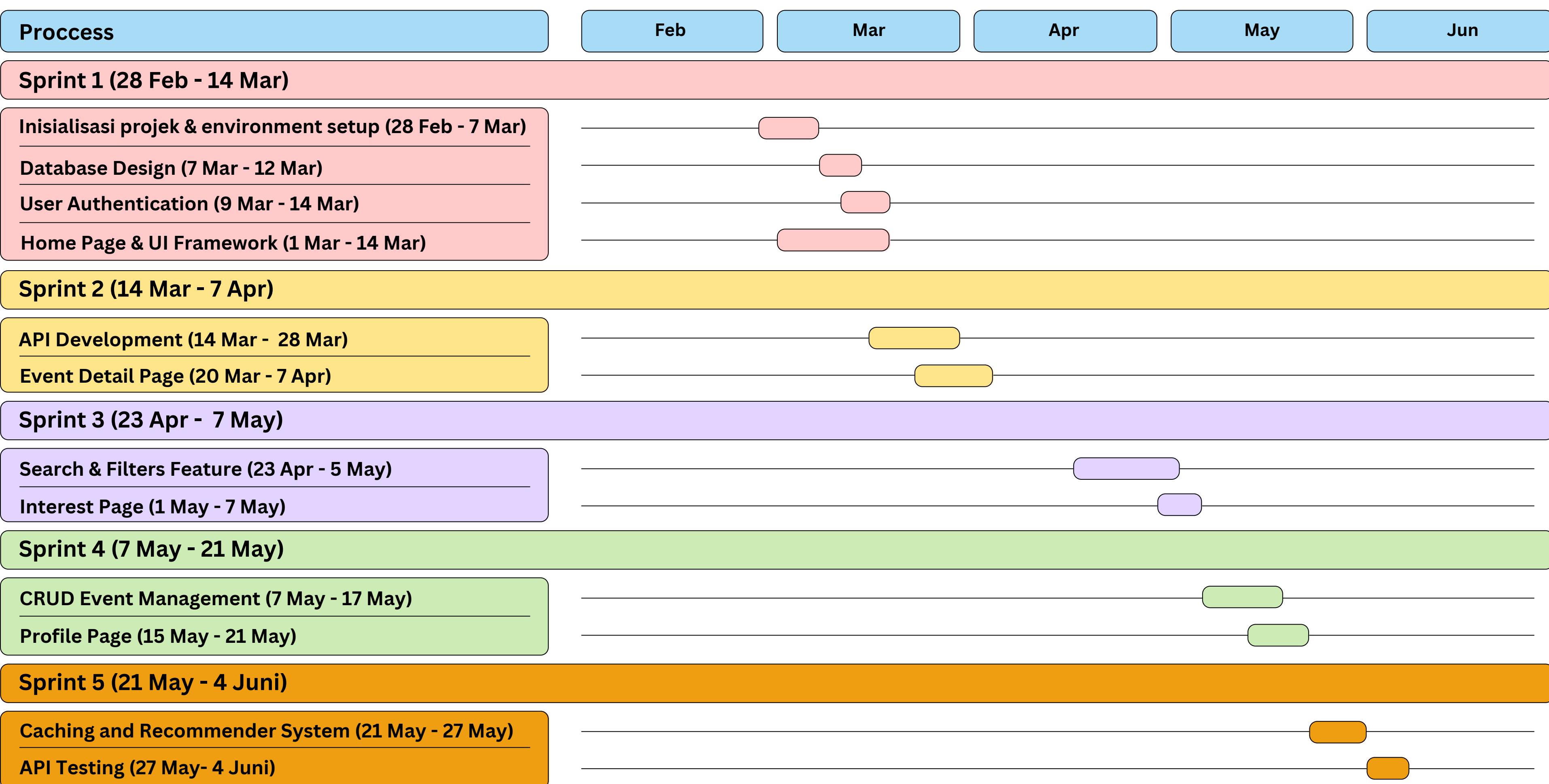
TESTING & INTEGRATION

- Unit Testing (Postman)
- User Testing

DEPLOYMENT & MAINTENANCE

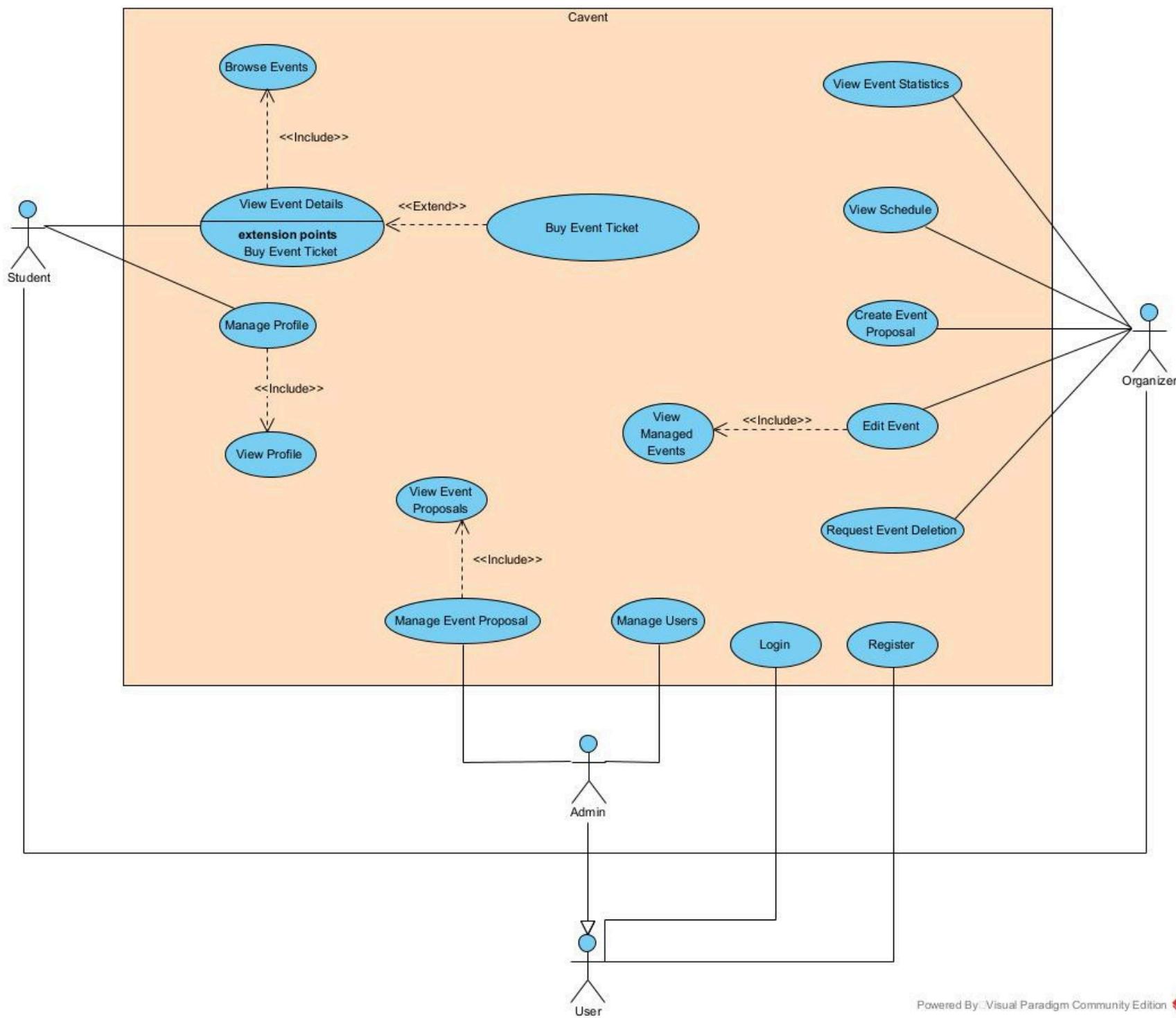
- Docker

Gantt Chart



Planning & Analysis

- Use Case



REQUIREMENT GATHERING

- User Story

Sebagai	Mahasiswa
Menginginkan	Mencari dan registrasi event berdasarkan minat dengan mudah
Sehingga	Mudah untuk mengikuti event yang diminati
Kriteria	<ul style="list-style-type: none"> - Mahasiswa dapat menggunakan filter berdasarkan kategori, tanggal, dan lokasi - Menampilkan judul, deskripsi, tanggal, lokasi , tipe acara dan organisasi acaranya - Mahasiswa dapat langsung register acara dalam platform - Mendapat notifikasi pengingat ketika mengikuti event - Tampilan dashboard untuk seluruh acara yang sudah diregistrasi

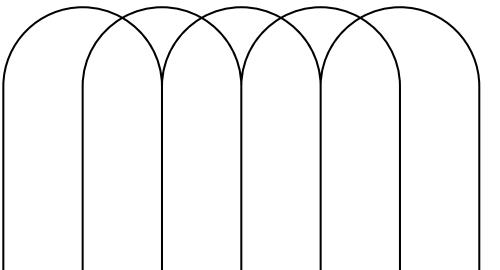
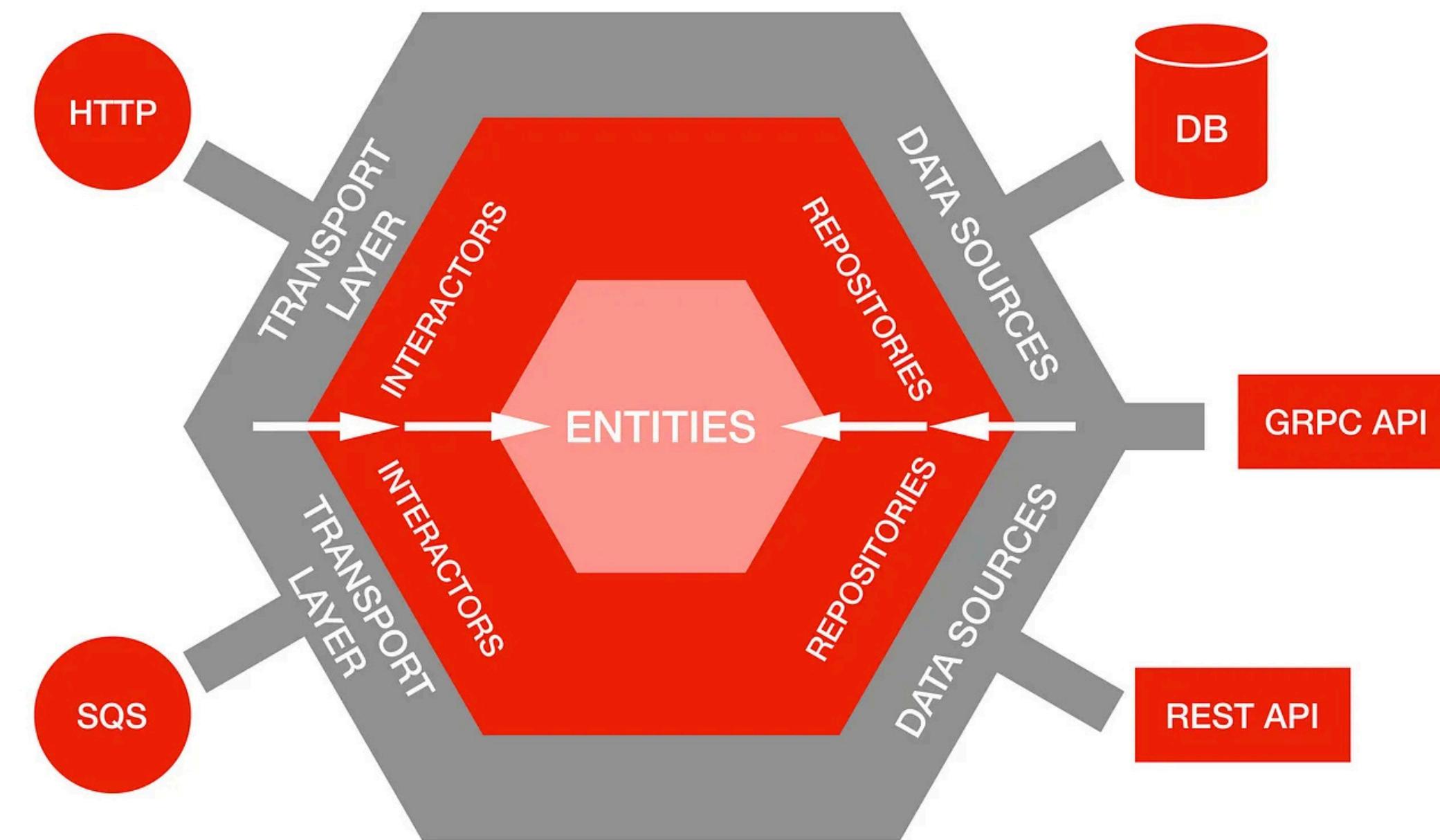
Sebagai	Penyelenggara Acara
Menginginkan	Membuat dan mempublikasikan acara
Sehingga	Acara dapat tersebar luas dan banyak mahasiswa yang mengikuti
Kriteria	<ul style="list-style-type: none"> - Dapat menambahkan judul, deskripsi, tanggal, lokasi, tipe acara, dan cara registrasi - Dapat mengedit/cancel acara - Dapat menambahkan limit partisipasi acara - Tampilan dashboard untuk seluruh acara yang diselenggarakan - Mendapatkan notifikasi apabila acara diterima atau ditolak dalam platform

Sebagai	Admin Platform
Menginginkan	Mereview dan mengatur acara yang dipublikasikan
Sehingga	Hanya acara yang sesuai dapat ditampilkan dalam platform
Kriteria	<ul style="list-style-type: none"> - Admin dashboard yang menampilkan acara yang telah di submit oleh penyelenggara - Admin dapat menerima atau menolak acara berdasarkan guideline platform

Planning & Analysis

SYSTEM ARCHITECTURE DESIGN

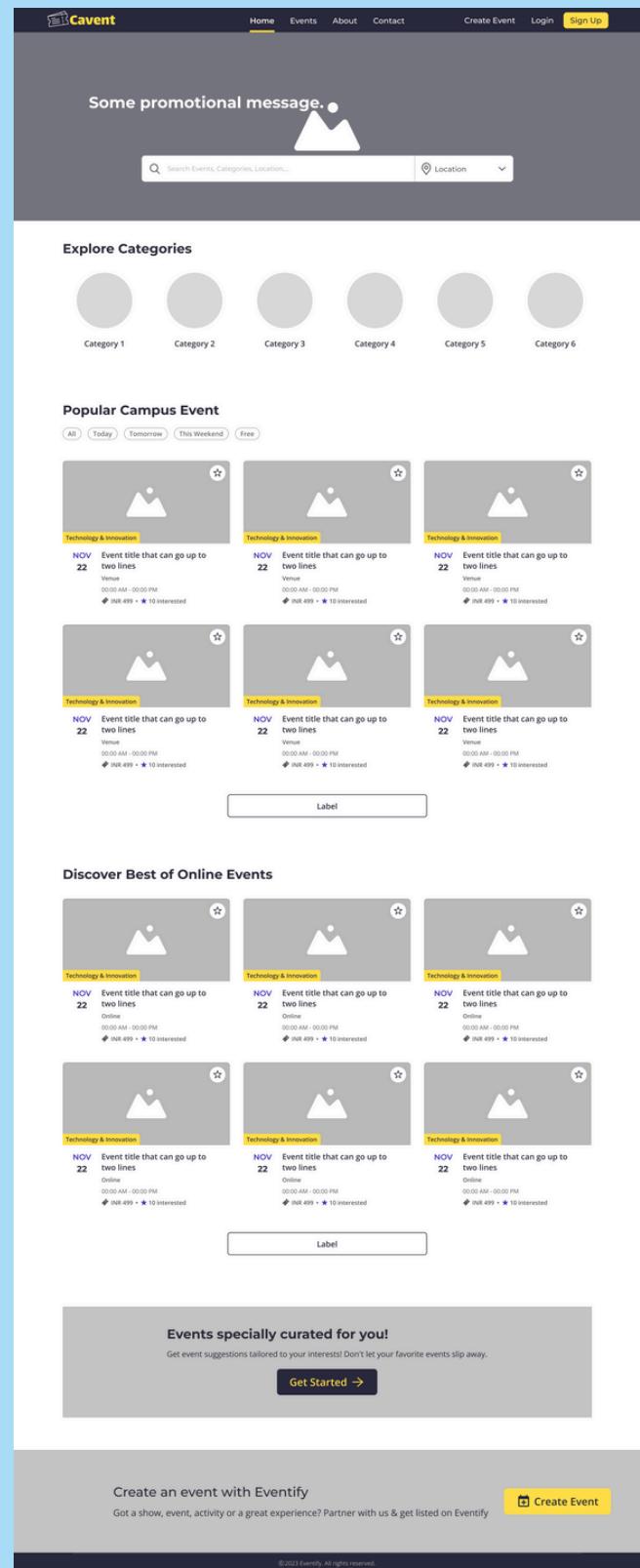
Hexagonal Architecture



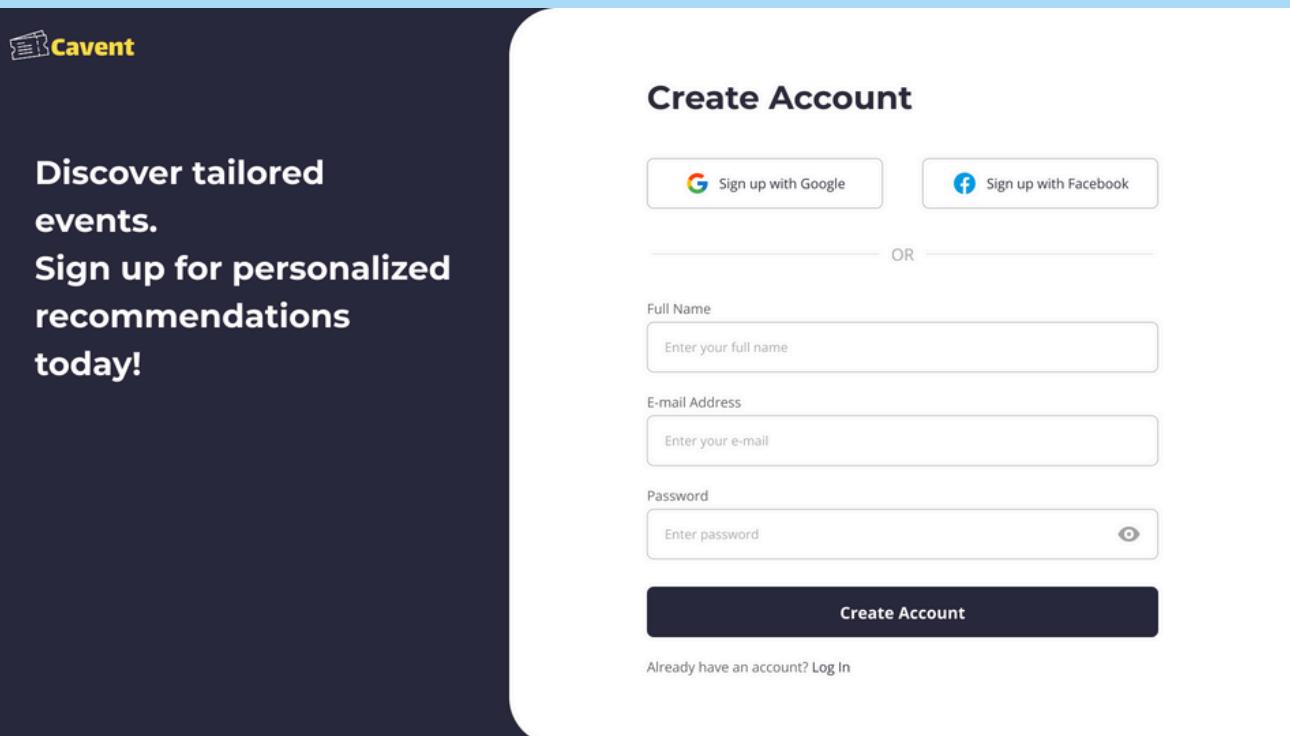
Design

UI/UX DESIGN

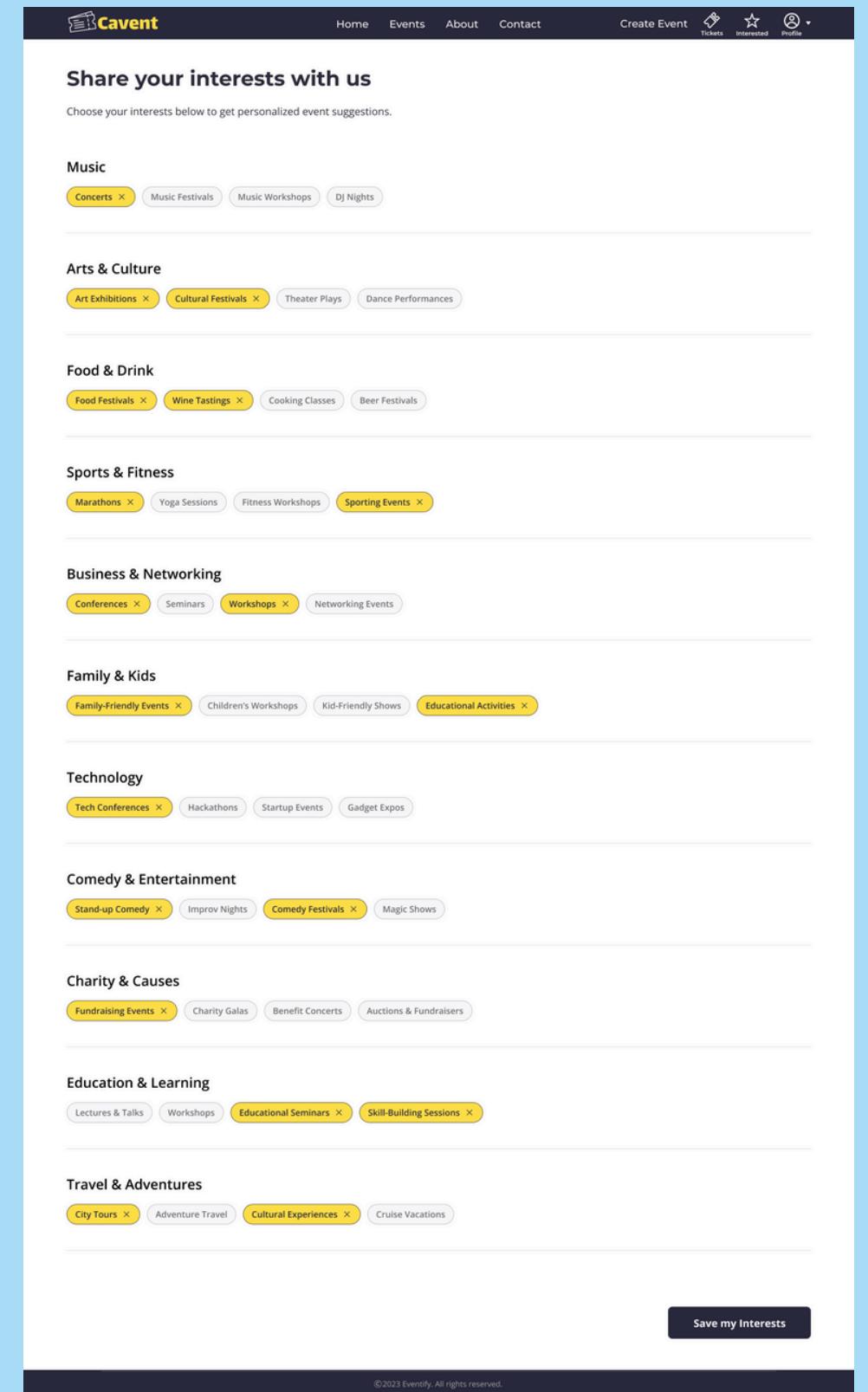
Home Page



Sign up/Sign in



Interest Page



Design

UI/UX DESIGN

Search Result Page

The Search Result Page displays a grid of event cards. Each card includes a placeholder image, the event title, date, venue, and price (INR 499). The page features a search bar at the top and various filters on the left side for Price (Free, Paid), Date (Today, Tomorrow, This Week, This Weekend, Pick a Date), Category (Adventure Travel, Art Exhibitions, Auctions & Fundraisers, Beer Festivals, Benefit Concerts), and Format (Community Engagement, Concerts & Performances, Conferences, Experiential Events, Festivals & Fairs).

Event Detail Page

The Event Detail Page shows a large placeholder image at the top. Below it, the event title is displayed. The page includes sections for Date and Time (with a "Buy Tickets" button), Location (with a map and address input), Ticket Information, Hosted by (with a host name and follow button), and Event Description (with a long paragraph of placeholder text). At the bottom, there are sections for Tags and Other events you may like.

Profile Page

The Profile Page is divided into two main sections: Account Settings and Account Information. The Account Settings section includes tabs for Account Info, Change Email, and Password. The Account Information section includes Profile Photo (with a placeholder image), Profile Information (with fields for First Name, Last Name, Website, and Company), Contact Details (with fields for Phone Number, Address, City/Town, Country, and Pincode), and a Save My Profile button. A copyright notice at the bottom right states "© 2023 Eventify. All rights reserved."

Design

UI/UX DESIGN

Create Event Page

Create a New Event

Event Details

Event Title *

Event Category *

Date & Time

Event Type * Single Event Recurring Event

Session(s) * Start Date * DD/MM/YY Start Time * 12:00 AM End Time 12:00 AM

Location

Where will your event take place?

Additional Information

Event Description *

Save & Continue

Event Title

Location
Time

Upload Image

Choose File No file chosen

Feature Image must be at least 1170 pixels wide by 504 pixels high.
Valid file formats: JPG, GIF, PNG.

Save & Continue

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Event Title

Location
Time

What type of event are you running?

Ticketed Event
My event requires tickets for entry

Free Event
I'm running a free event

What tickets are you selling?

Ticket Name e.g. General Admission

Ticket Price ₹ 0.00

Save & Continue

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Event Title

Location
Time

Nearly there! Check everything's correct.



Event Title

Date and Time

Day, Date
 Time
+ Add to Calendar

Location

Address

Ticket Information

Ticket Type: Price /ticket

Hosted by

Host Name Contact + Follow

Event Description

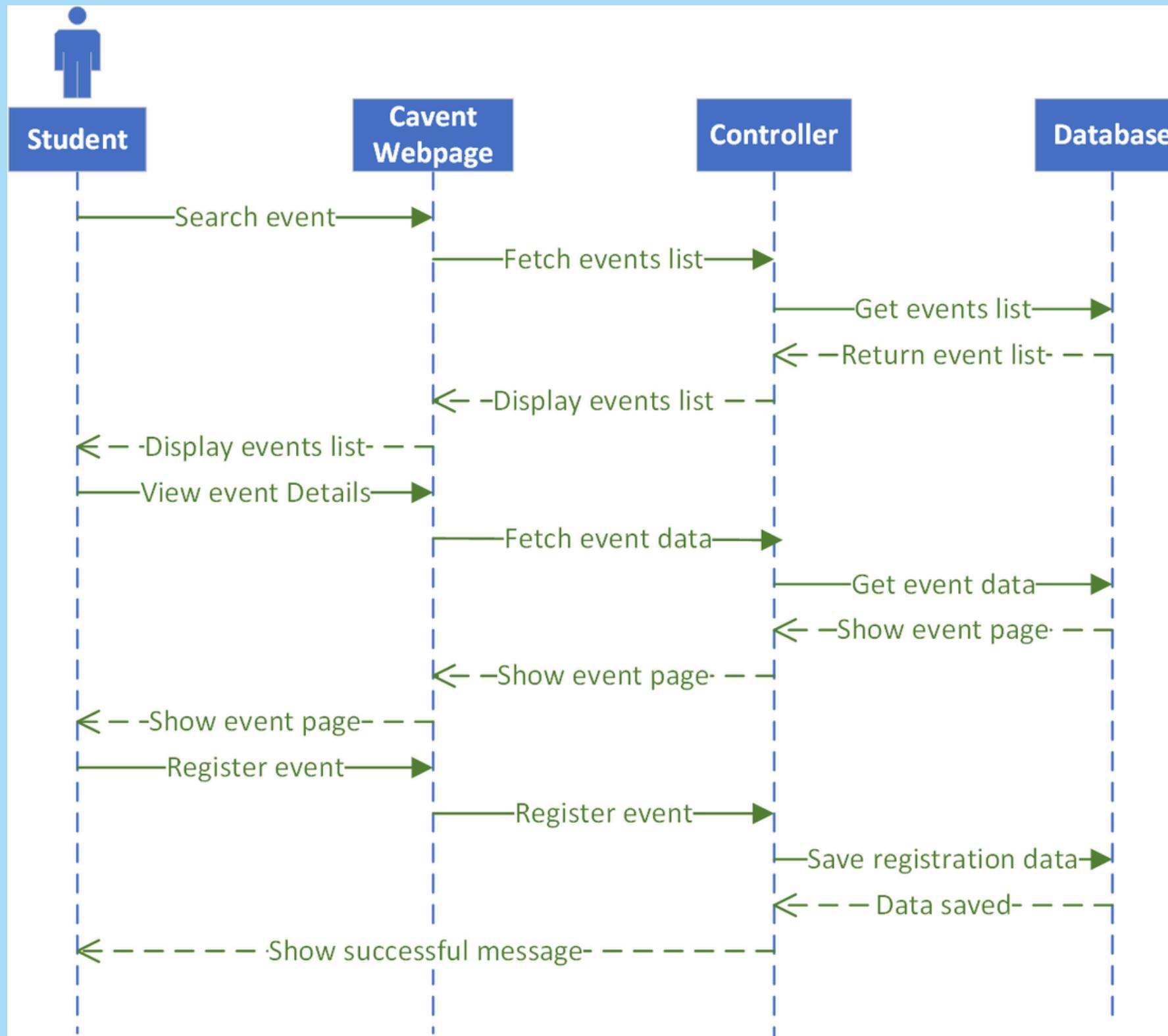
Lorem ipsum dolor sit amet consectetur. Eget vulputate sociis sit urna sit aliquet. Vivamus facilisis diam libero dolor volutpat diam eu. Quis a id posuere estiam at enim vivamus. Urna nisi malesuada libero enim ornare in viverra. Nibh commodo quis tellus aliquet nibh tristique lobortis id. Consequeat ultricies vulputate turpis neque viverra tempor nunc. Et amet massa tellus consequat mauris imperdiet tellus. Praesent risus magna nisi turpis egestas ultrices viverra pellentesque blandit. Rutrum consequat eu penatibus ipsum at. Vestibulum a pharetra facilisis varius proin ultrices tellus. Ac viverra pharetra sit elementum magna nullam ornare in a. Egestas velit id nisi a. Elementum eget vulputate dignissim urna sed tellus felis. Tellus in et sed mattis morbi velit massa donec.

Save For Later **Publish Events**

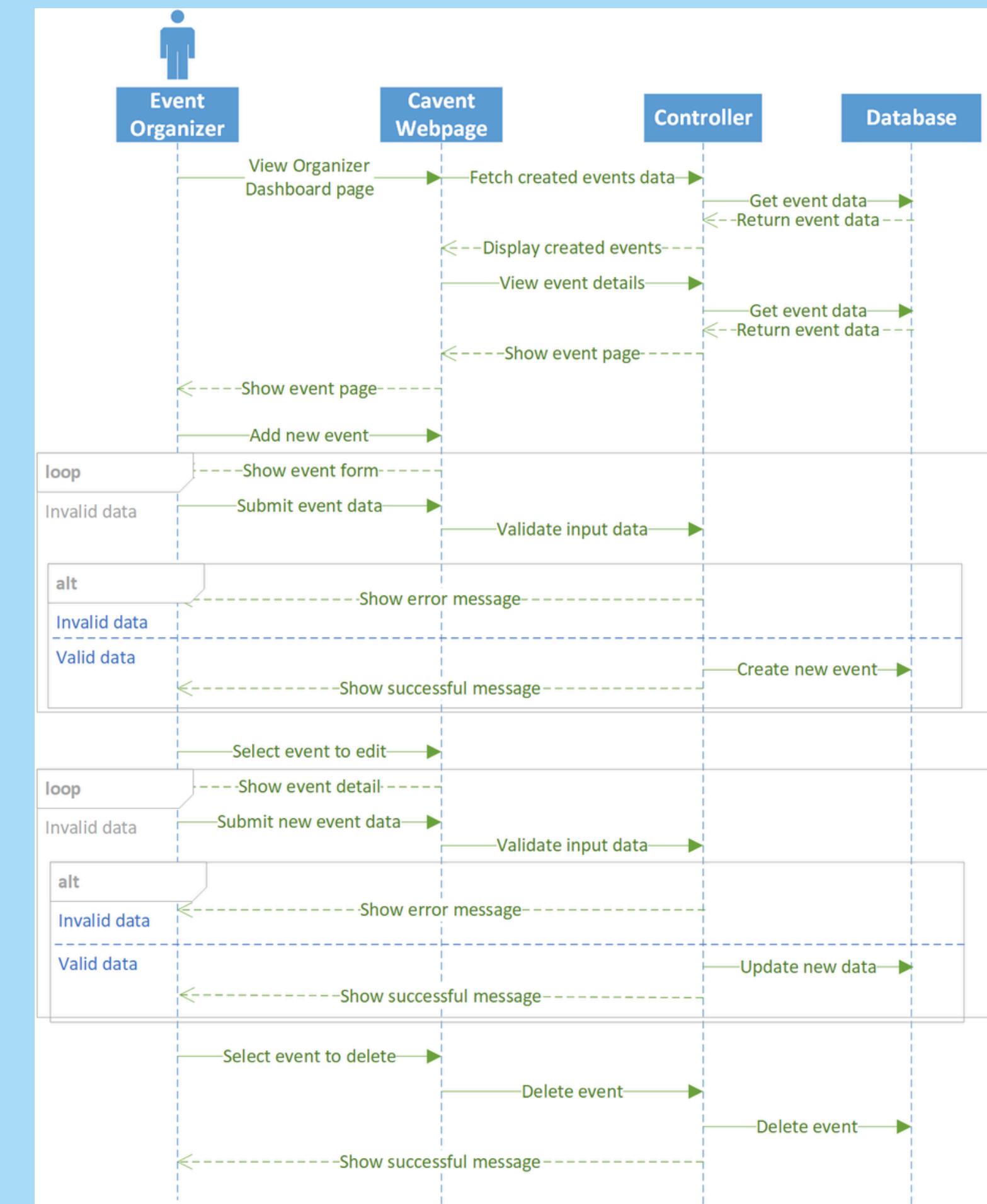
Design

SYSTEM FLOW

Search + Registration Flow

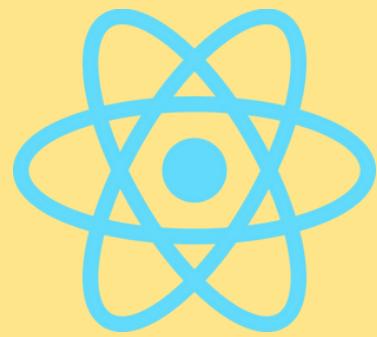


Event Management Flow



Implementation

FRONTEND



React



Vite



TypeScript

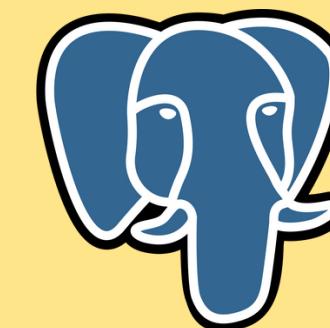
BACKEND



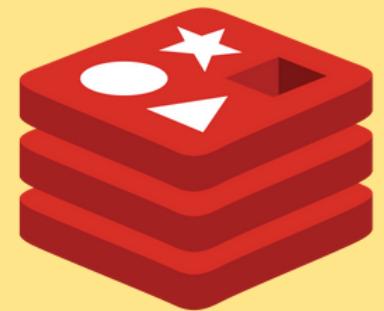
Gin Gonic



Golang



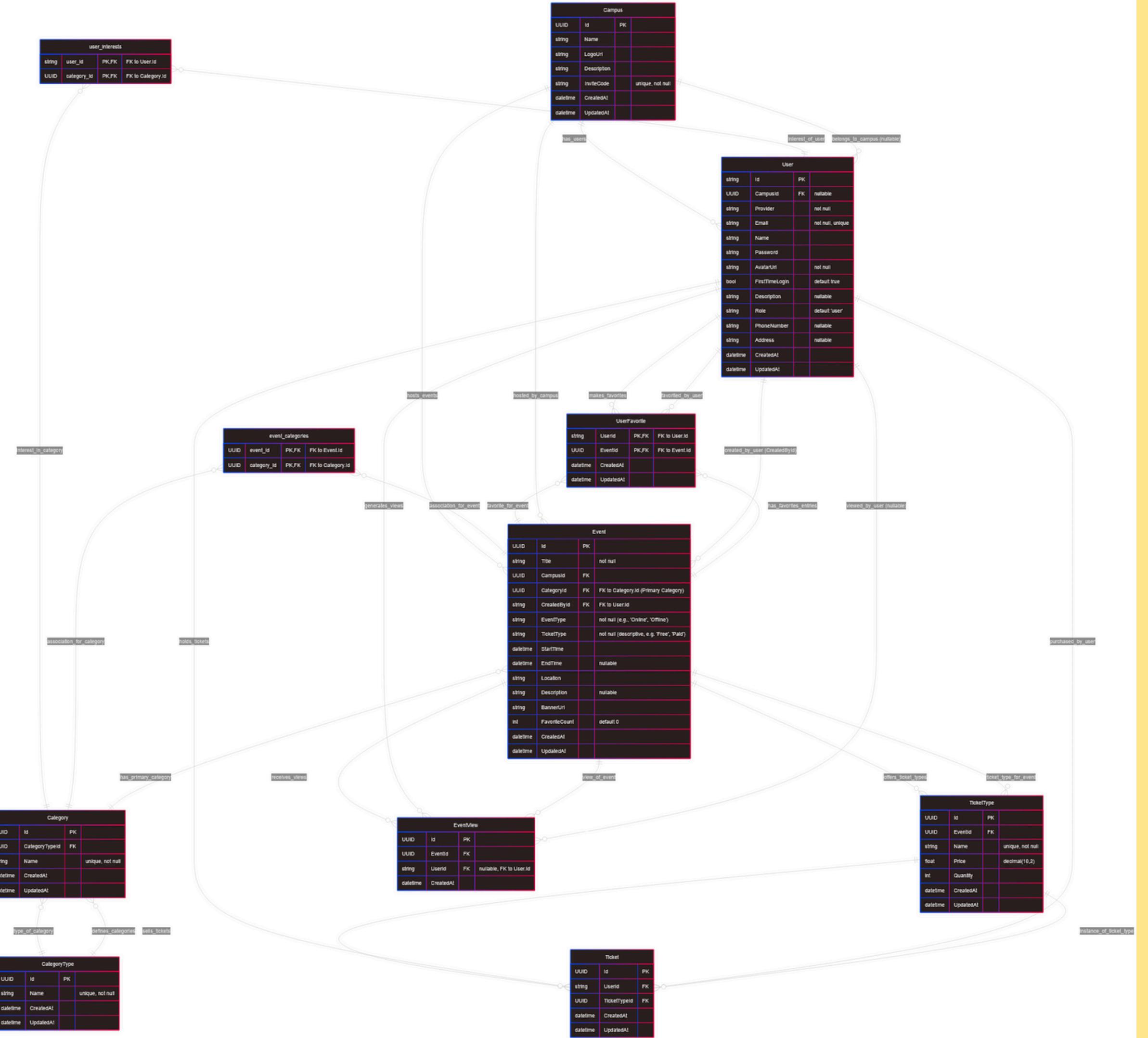
PostgreSQL



Redis



Supabase



Code

```
func (e *EventGormRepo) GetAllEvents(pagination paginate.Pagination) (*paginate.Pagination, error){  
    var events []*model.Event  
  
    query := e.db.Preload("TicketTypes").Preload("Campus").Preload("Category")  
  
    for i, filter := range pagination.Filter{  
        zap.L().Sugar().Infof("Filter %d: %s with args %v", i, filter, pagination.FilterArgs[i])  
        args := pagination.FilterArgs[i]  
        query = query.Where(filter, args...)  
    }  
  
    query = query.Scopes(paginate.Paginate(events, &pagination, e.db)).  
            Where("start_time > ?", time.Now())  
  
    err := query.Find(&events).Error  
  
    if err != nil {  
        return nil, err  
    }  
  
    pagination.Rows = events  
    return &pagination, nil  
}
```

```
export const EventForm = () => {  
    const formValuesForReview = watch();  
  
    return () =>  
        <div className="space-y-12 w-full">  
            <div className="flex items-center justify-center">  
                {Array.from({ length: totalSteps }).map(_, index) => (  
                    <div key={index} className="flex items-center">  
                        <div className="flex flex-col items-center justify-center relative">  
                            <div  
                                className={cn(  
                                    "w-4 h-4 rounded-full transition-all duration-300 ease-in-out",  
                                    index <= step ? "bg-primary" : "bg-primary/30",  
                                    index < step && "bg-primary"  
                                )}>  
                            />  
                            <span className="absolute top-5">{crumbs[index]}</span>  
                        </div>  
                    {index < totalSteps - 1 && (
```

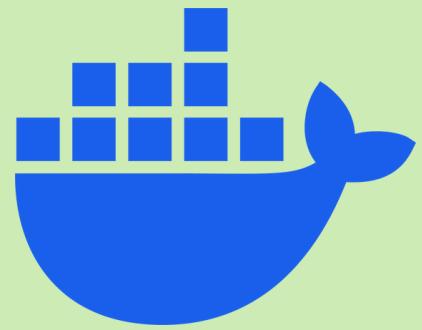
Testing & Integration



POSTMAN

The screenshot shows the Postman interface with a dark theme. On the left, a sidebar lists API endpoints under a 'Cavent' category. The main area shows a POST request to 'http://localhost:8080/api/v1/auth/register'. The 'Body' tab is selected, showing a form-data structure with fields: name (Yuyuyu), password (Tungtung_00), confirmPassword (Tungtung_00), email (Yuyuyu@email.com), and inviteCode (AAAAAA).

Deployment & Maintenance



docker®

```
services:  
  postgres:  
    image: postgres:16  
    container_name: cavent-postgres  
    environment:  
      POSTGRES_USER: cavent  
      POSTGRES_PASSWORD: cavent  
      POSTGRES_DB: cavent  
    ports:  
      - "5432:5432"  
    volumes:  
      - postgres_data:/var/lib/postgresql/data  
    networks:  
      - network  
  
  redis:  
    image: redis:latest  
    container_name: cavent-redis  
    ports:  
      - "6379:6379"  
    volumes:  
      - redis_data:/data  
    command: ["redis-server", "--appendonly", "yes"]  
    networks:  
      - network  
    depends_on:  
      - postgres  
  
  frontend:  
    build:  
      context: ./Frontend
```

DEMO

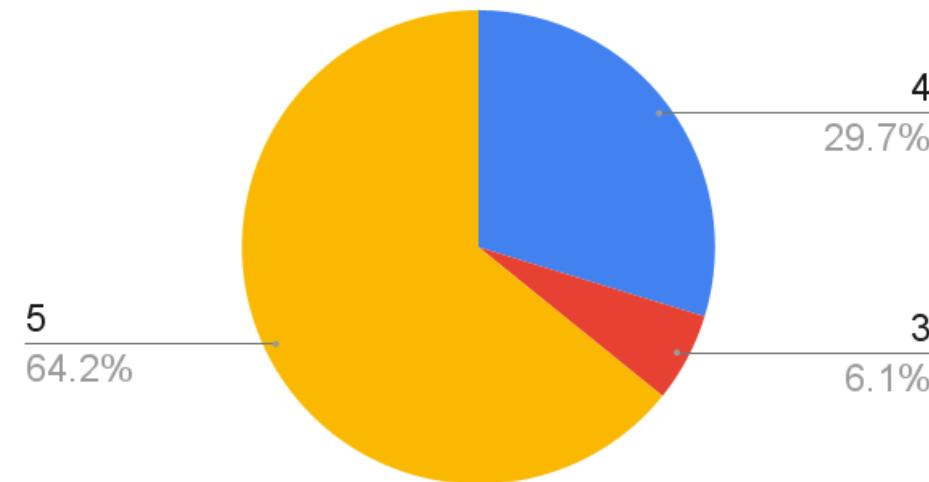
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HASIL DAN PEMBAHASAN

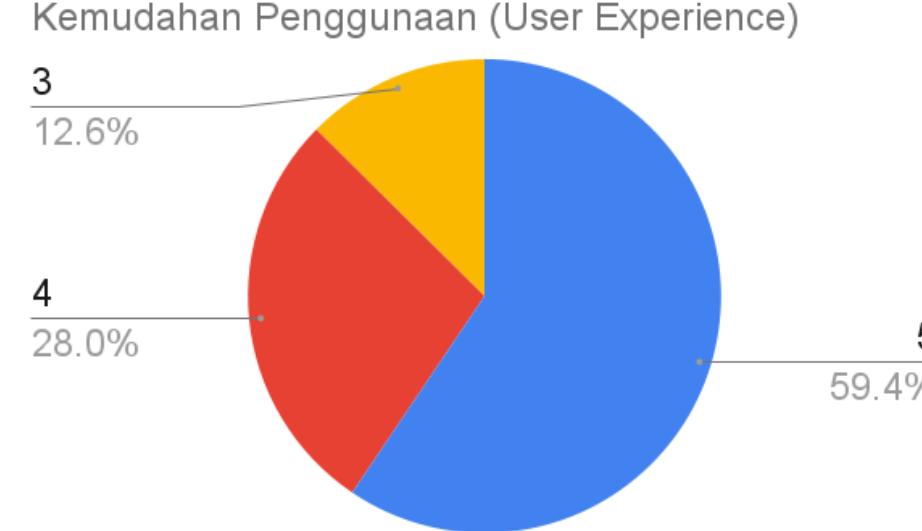
6 Pertanyaan, Total Responden: 32

$$\begin{aligned}\text{Success Rate} &= \text{Count}(>=4) / \text{Total} * 100\% \\ &= (170/194) * 100 \% \\ &= \mathbf{85,86\%}\end{aligned}$$

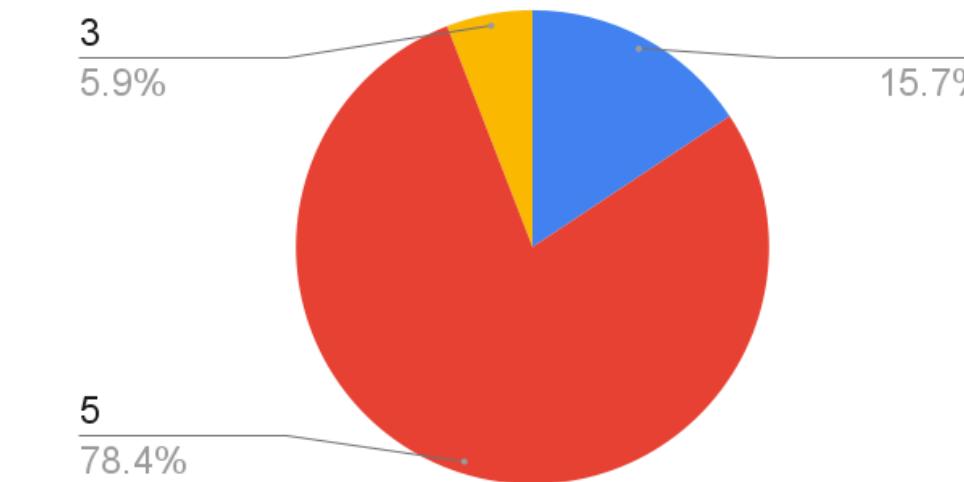
Tampilan antarmuka aplikasi (User Interface)



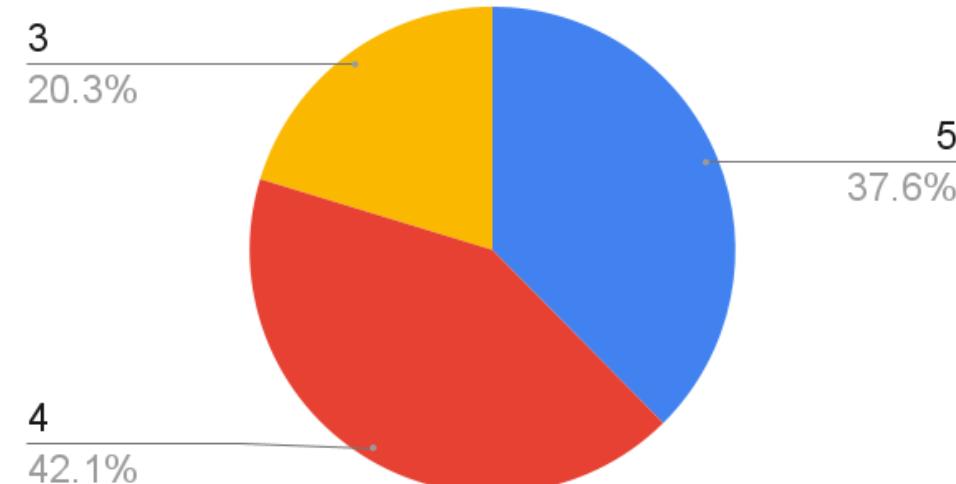
Kemudahan Penggunaan (User Experience)



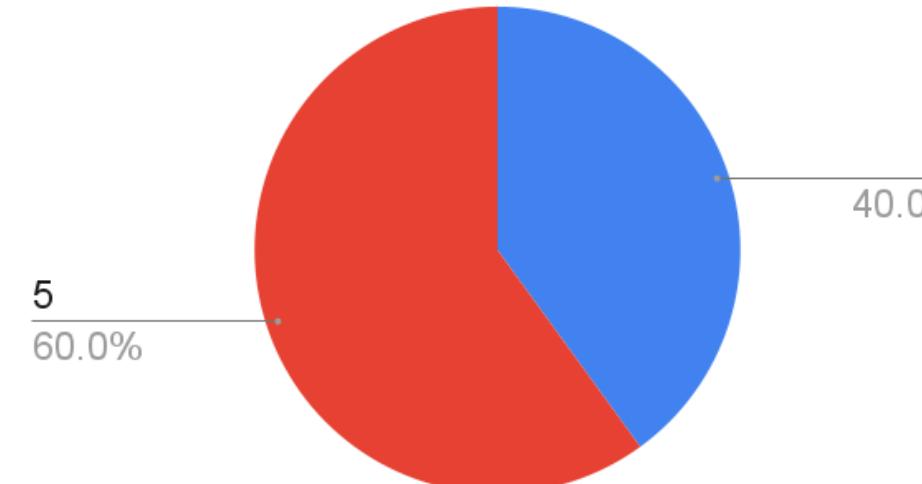
Respon sistem terhadap tindakan pengguna



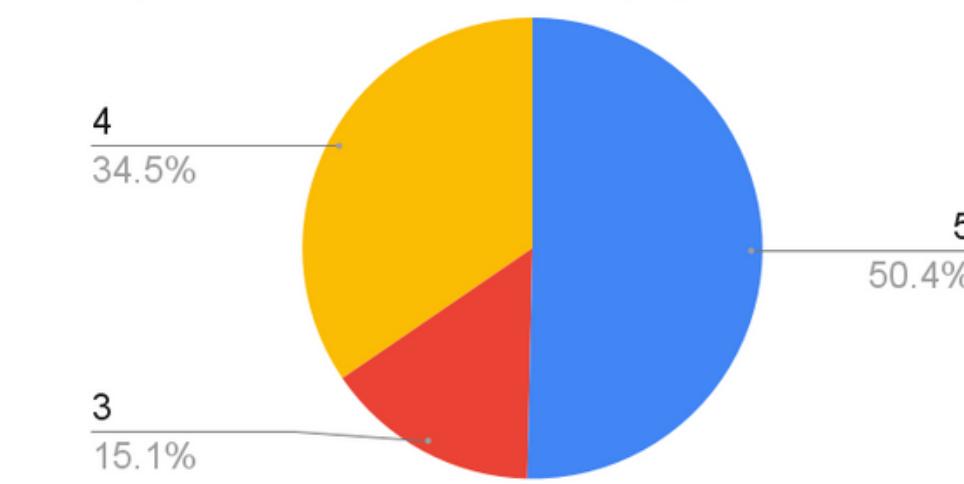
Stabilitas aplikasi (Tidak terjadi crash/error)

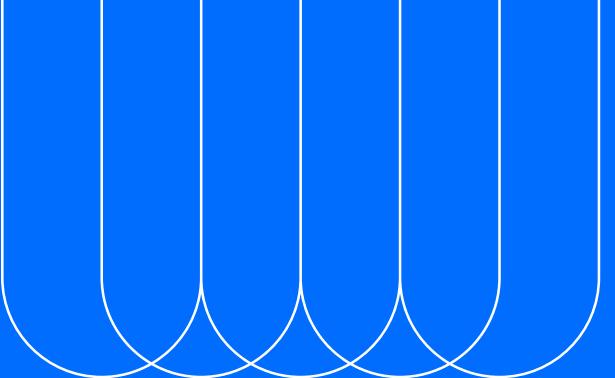


Keamanan sistem (Validasi)



Kepuasan keseluruhan terhadap aplikasi





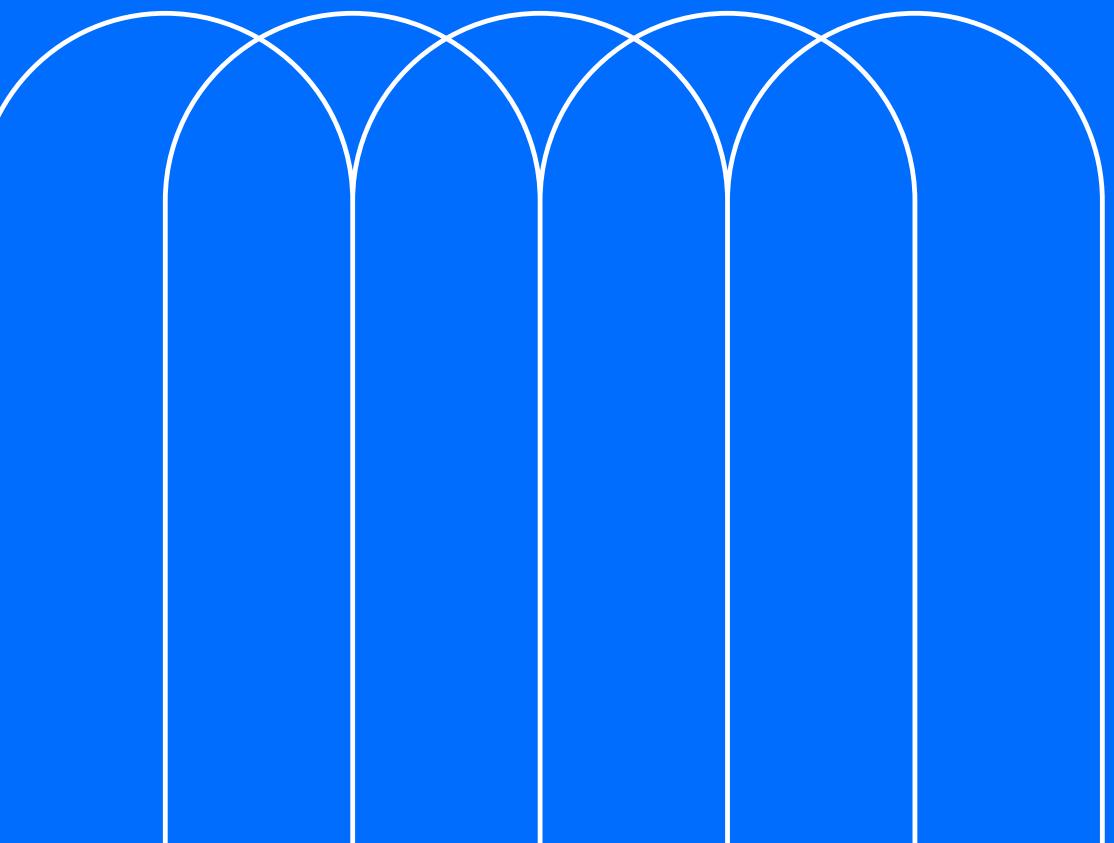
KESIMPULAN

Berdasarkan hasil kuesioner, aplikasi Cavent mendapat penilaian yang cukup baik secara keseluruhan. Aspek interaktivitas sistem, tampilan antarmuka, dan keamanan menempati skor tertinggi, sedangkan stabilitas aplikasi memperoleh skor paling rendah di antara aspek lainnya, menunjukkan masih adanya kasus error atau kendala teknis yang dirasakan sebagian pengguna. Sehingga perlu meningkatkan stabilitas dan pengalaman pengguna agar aplikasi dapat memberikan kenyamanan yang lebih konsisten.

FITUR YANG TELAH TERIMPLEMENTASI

- Login & Register
- Event Register
- Event Management
- Event Recommendation
- Search feature

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THANK YOU

