Sprint 1 Presentation

(01/20/2026 to 02/22/2026)

05-SP26-FA26-PAHIFC-WEBMOB

Introduction

Project Description:

The Palouse Alliance Community Research Platform is a centralized website designed to help Palouse residents find local events, services and resources. It also helps community members post and advertise events for users to attend.

Team Roles:

- Vijay Deva (Integration Manager)
- Omar Adil (Frontend Developer)
- Kaeden Paterson (Backend Developer)
- Aryan Puthran (Database Manager)

Sprint Objectives

- Collect client requirements and existing solution/codebase
- Create user stories and use cases for project and features discussed in meetings
- Identify a full-stack framework and begin learning prep
- Create a blueprint for the frontend UI.

Requirements Gathering

Meeting Methods:

- Zoom (Bi-Weekly)
- Email Discussion

Meeting 1:

- Group Introduction
- Project Background/Motivation
- Presenting our 3 sprint plan
- Closing Q&A

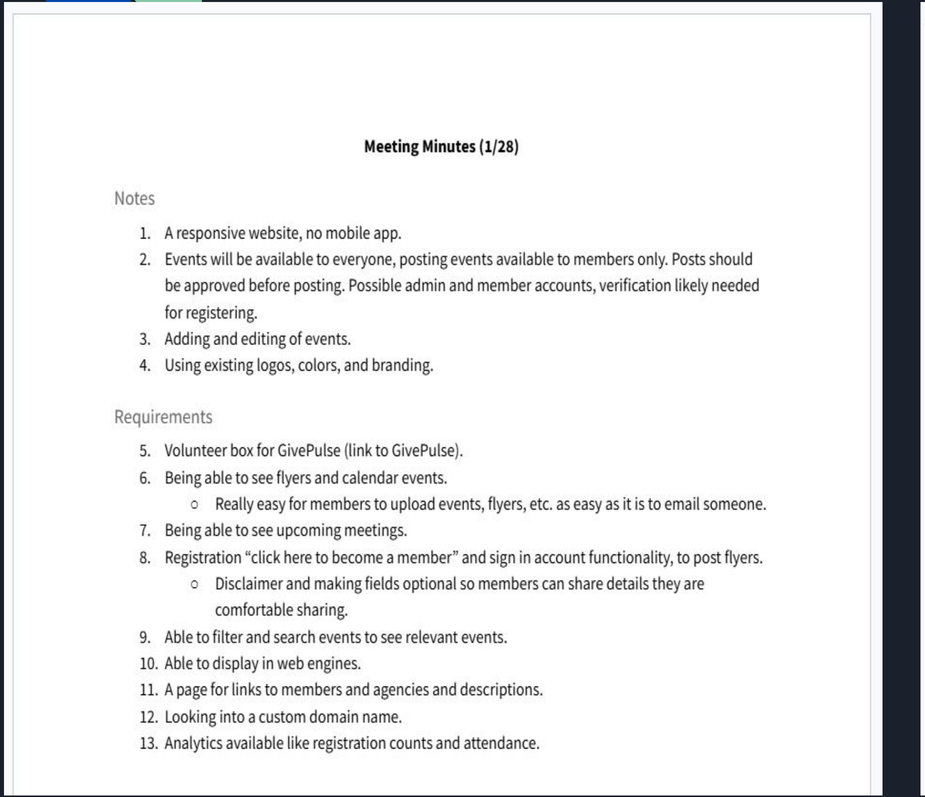
Meeting 2:

- Team Roles
- Tech Stack
- Initial Mockup Demo
- Feature Discussion (Account Management)

Key Requirements:

- Easy to use; should be just as easy as sending an email to Palouse Alliance directly
- Integrate a calendar system that filters and displays upcoming events
- Responsive design; mobile friendly
- Email notifications for new events

Sample MoM



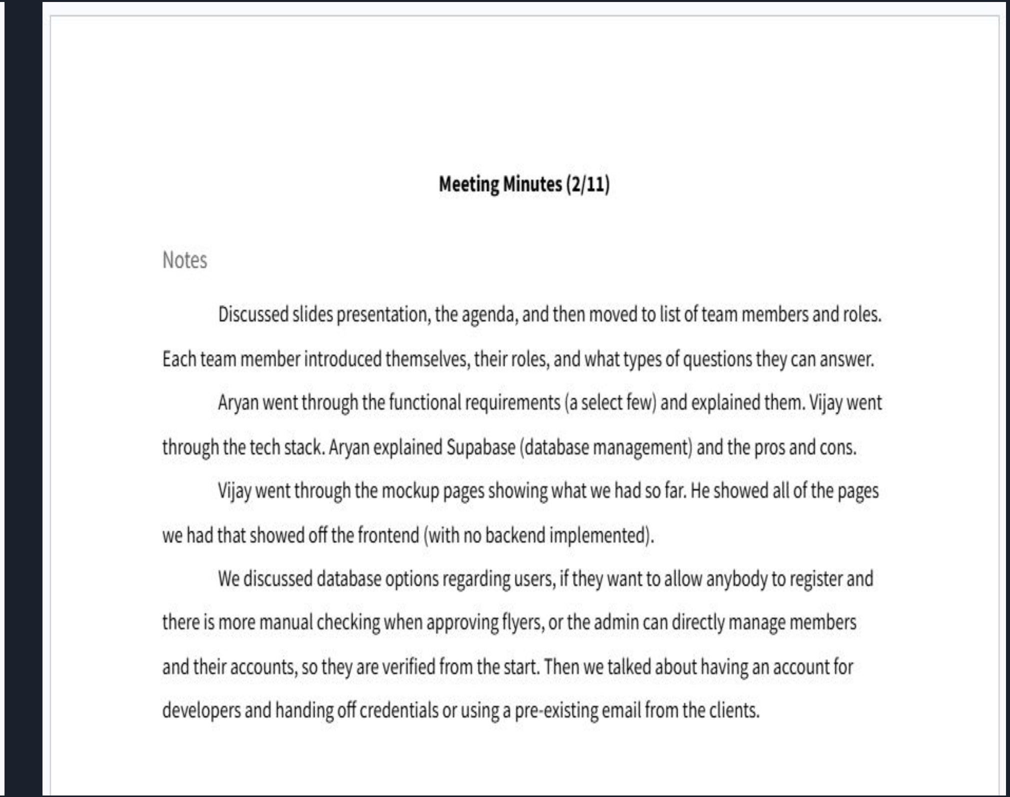
Meeting Minutes (1/28)

Notes

1. A responsive website, no mobile app.
2. Events will be available to everyone, posting events available to members only. Posts should be approved before posting. Possible admin and member accounts, verification likely needed for registering.
3. Adding and editing of events.
4. Using existing logos, colors, and branding.

Requirements

5. Volunteer box for GivePulse (link to GivePulse).
6. Being able to see flyers and calendar events.
   - Really easy for members to upload events, flyers, etc. as easy as it is to email someone.
7. Being able to see upcoming meetings.
8. Registration "click here to become a member" and sign in account functionality, to post flyers.
   - Disclaimer and making fields optional so members can share details they are comfortable sharing.
9. Able to filter and search events to see relevant events.
10. Able to display in web engines.
11. A page for links to members and agencies and descriptions.
12. Looking into a custom domain name.
13. Analytics available like registration counts and attendance.



Meeting Minutes (2/11)

Notes

Discussed slides presentation, the agenda, and then moved to list of team members and roles. Each team member introduced themselves, their roles, and what types of questions they can answer.

Aryan went through the functional requirements (a select few) and explained them. Vijay went through the tech stack. Aryan explained Supabase (database management) and the pros and cons.

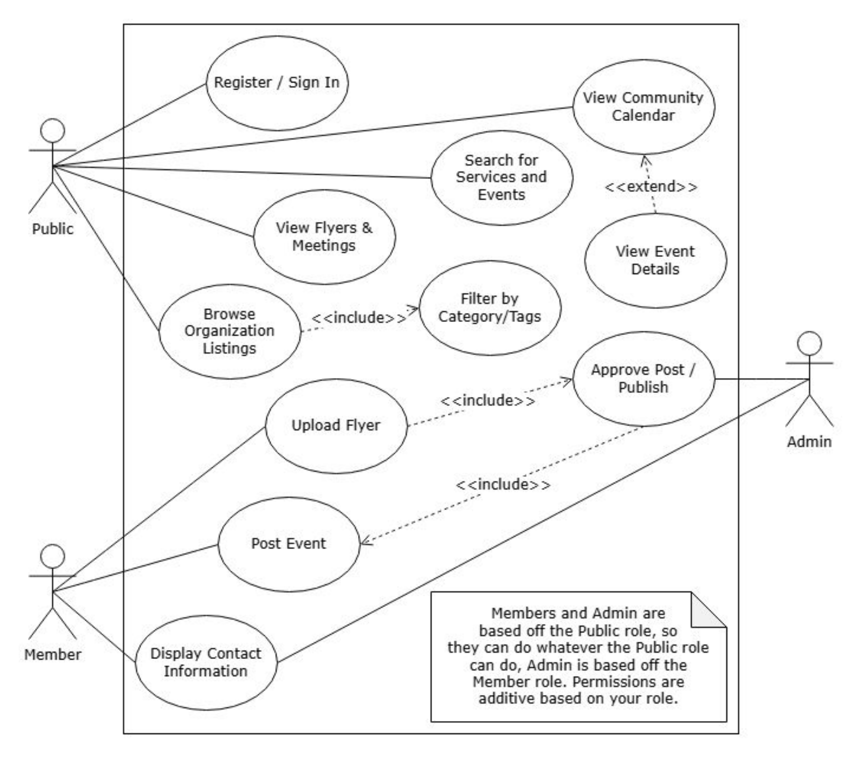
Vijay went through the mockup pages showing what we had so far. He showed all of the pages we had that showed off the frontend (with no backend implemented).

We discussed database options regarding users, if they want to allow anybody to register and there is more manual checking when approving flyers, or the admin can directly manage members and their accounts, so they are verified from the start. Then we talked about having an account for developers and handing off credentials or using a pre-existing email from the clients.

User Stories, Use Cases, and UML Diagrams

- Key User Stories
  - [US-1] User Login
    - As a member, want to log in to my account so that I can access member-only features and manage my listings.
  - [US-4] Post Event or Flyer
    - As a member, I want to submit a new event or flyer so that our organization can share information with the community.
  - [US-5] Admin Approves Submissions
    - As an admin, I want to review and approve submitted events and flyers before publication so that only appropriate content appears publicly.
  - [US-6] View Flyers and Meetings
    - As a public user, I want to view upcoming flyers, meetings, and events so that I can stay informed about local resources and happenings.

User Stories, Use Cases, and UML Diagrams



Members and Admin are based off the Public role, so they can do whatever the Public role can do, Admin is based off the Member role. Permissions are additive based on your role.

- Key Use Cases
  - [UC-1] Search and Attend Events
  - [UC-2] Upload and Approve Event or Flyer
  - [UC-4] Volunteer Opportunity Discovery

User Stories, Use Cases, and UML Diagrams

- Since we are currently developing the structure of the tech stack (awaiting a final confirmation by the client), there aren't class or activity diagrams to show.

- Next sprint we plan to create these diagrams, along with a database ER model. On the next slide, I walk through the plan for the database (subject to change upon client approval).

User Stories, Use Cases, and UML Diagrams - Database Schema Overview

Users

- email
- name
- role
- phone_number
- wants_notifications
- organization_id

Categories

- name

Tags

- name

Events

- title
- description
- start_datetime
- end_datetime
- location
- organization_id
- created_by
- status
- category_id
- volunteer_url

Organizations

- name
- description
- phone_number
- email

Notifications

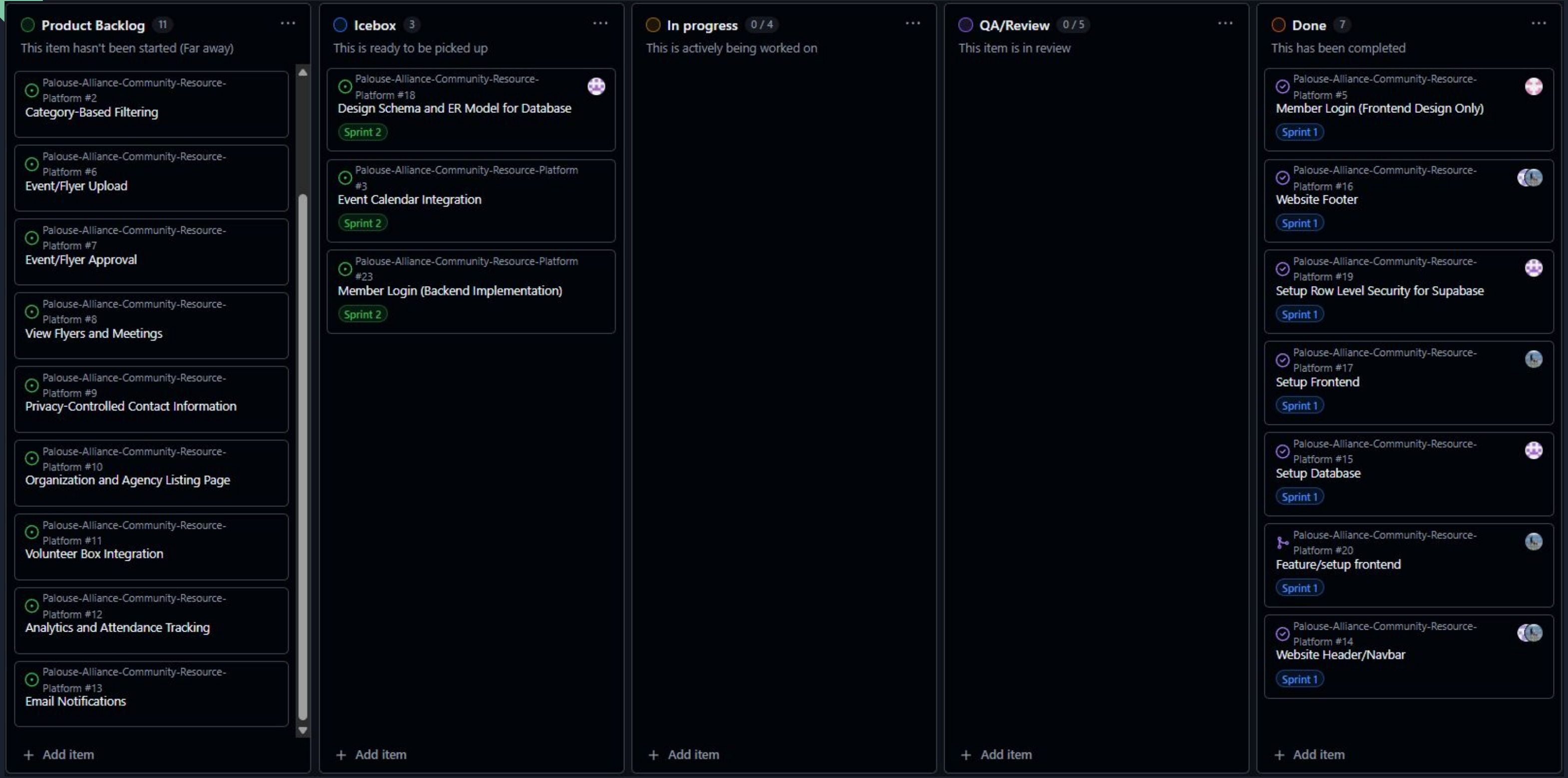
- event_id
- recipient_id
- message
- sent_at

Installation and Evaluation of Existing Solution

- Currently, the client is having organizations email them in order to post flyers and event details for upcoming opportunities. This means events may have a delay in getting posted, or if lost in the mail, won’t be posted at all.

- Our goal as to design a solution that allows organizations to post events directly to a website. This would alleviate manual checking of posts and allow them to simply click to approve pending posts made by members of organizations on the website.

Kanban Overview & Team Contributions



Product Backlog 11

This item hasn't been started (Far away)

- Palouse-Alliance-Community-Resource-Platform #2
  Category-Based Filtering
- Palouse-Alliance-Community-Resource-Platform #6
  Event/Flyer Upload
- Palouse-Alliance-Community-Resource-Platform #7
  Event/Flyer Approval
- Palouse-Alliance-Community-Resource-Platform #8
  View Flyers and Meetings
- Palouse-Alliance-Community-Resource-Platform #9
  Privacy-Controlled Contact Information
- Palouse-Alliance-Community-Resource-Platform #10
  Organization and Agency Listing Page
- Palouse-Alliance-Community-Resource-Platform #11
  Volunteer Box Integration
- Palouse-Alliance-Community-Resource-Platform #12
  Analytics and Attendance Tracking
- Palouse-Alliance-Community-Resource-Platform #13
  Email Notifications

+ Add item

Icebox 3

This is ready to be picked up

- Palouse-Alliance-Community-Resource-Platform #18
  Design Schema and ER Model for Database
  Sprint 2
- Palouse-Alliance-Community-Resource-Platform #3
  Event Calendar Integration
  Sprint 2
- Palouse-Alliance-Community-Resource-Platform #23
  Member Login (Backend Implementation)
  Sprint 2

+ Add item

In progress 0 / 4

This is actively being worked on

+ Add item

QA/Review 0 / 5

This item is in review

+ Add item

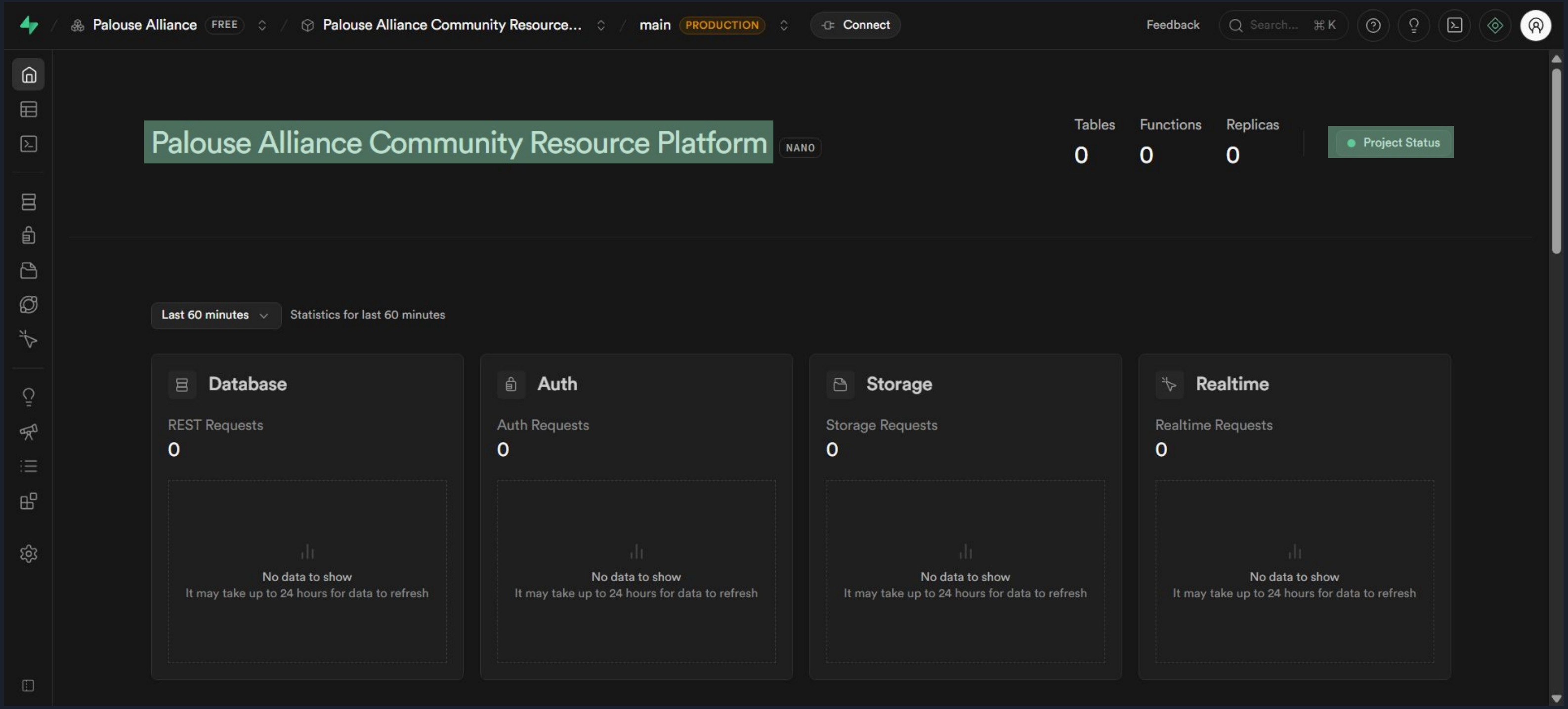
Done 7

This has been completed

- Palouse-Alliance-Community-Resource-Platform #5
  Member Login (Frontend Design Only)
  Sprint 1
- Palouse-Alliance-Community-Resource-Platform #16
  Website Footer
  Sprint 1
- Palouse-Alliance-Community-Resource-Platform #19
  Setup Row Level Security for Supabase
  Sprint 1
- Palouse-Alliance-Community-Resource-Platform #17
  Setup Frontend
  Sprint 1
- Palouse-Alliance-Community-Resource-Platform #15
  Setup Database
  Sprint 1
- Palouse-Alliance-Community-Resource-Platform #20
  Feature/setup frontend
  Sprint 1
- Palouse-Alliance-Community-Resource-Platform #14
  Website Header/Navbar
  Sprint 1

+ Add item

Feature Demonstration - Database Setup



Palouse Alliance Community Resource Platform NANO

Tables	Functions	Replicas
0	0	0

Statistics for last 60 minutes

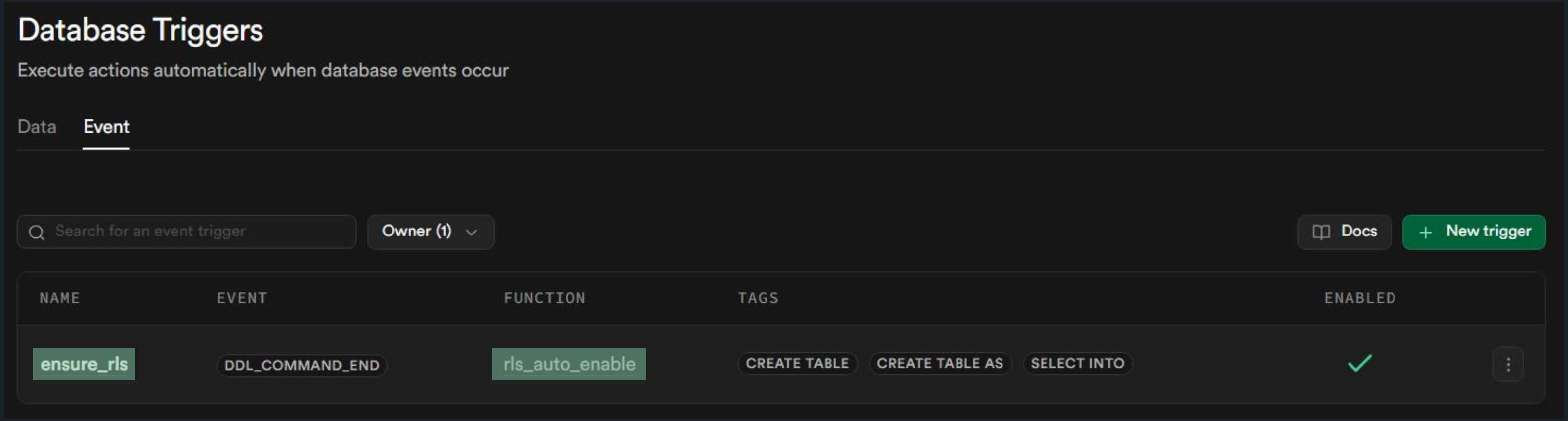
Database
REST Requests
0
No data to show
It may take up to 24 hours for data to refresh

Auth
Auth Requests
0
No data to show
It may take up to 24 hours for data to refresh

Storage
Storage Requests
0
No data to show
It may take up to 24 hours for data to refresh

Realtime
Realtime Requests
0
No data to show
It may take up to 24 hours for data to refresh

Feature Demonstration - Enable RLS



Database Triggers

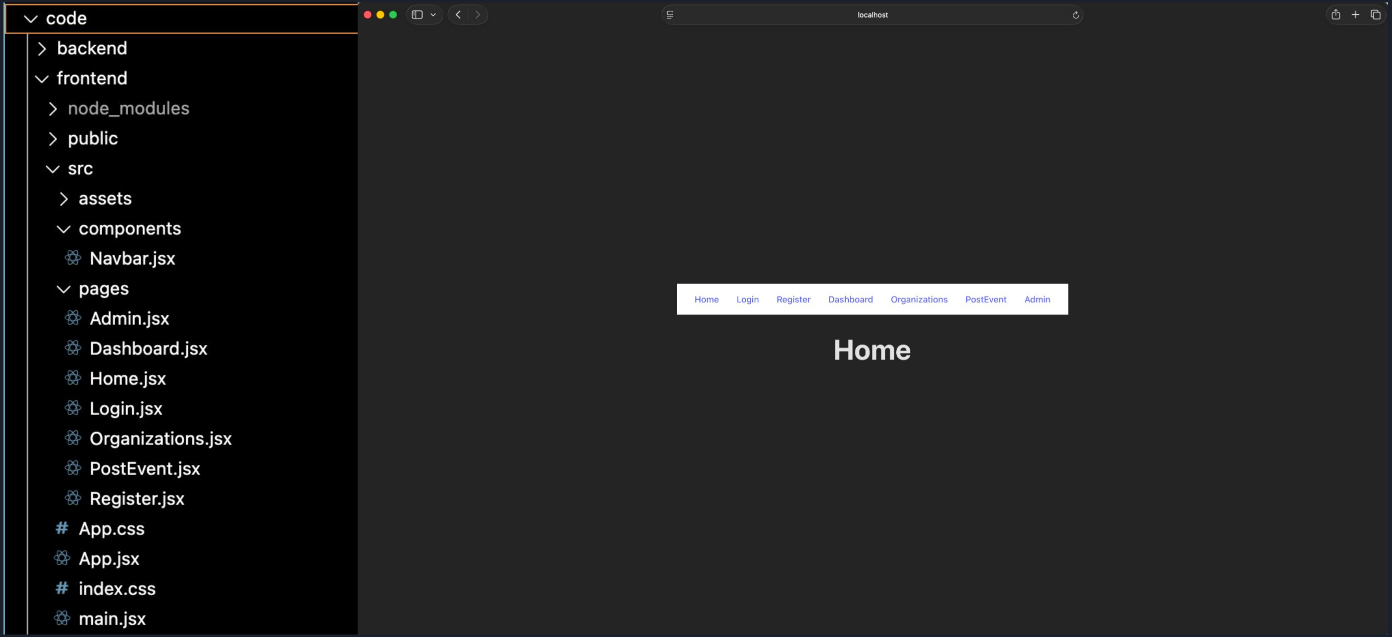
Execute actions automatically when database events occur

NAME	EVENT	FUNCTION	TAGS	ENABLED

ensure_rls	DDL_COMMAND_END	rls_auto_enable	CREATE TABLE
			CREATE TABLE AS
			SELECT INTO
				✓

Feature Demonstration - Frontend Setup

- React + Vite
- Navbar with routes for each page



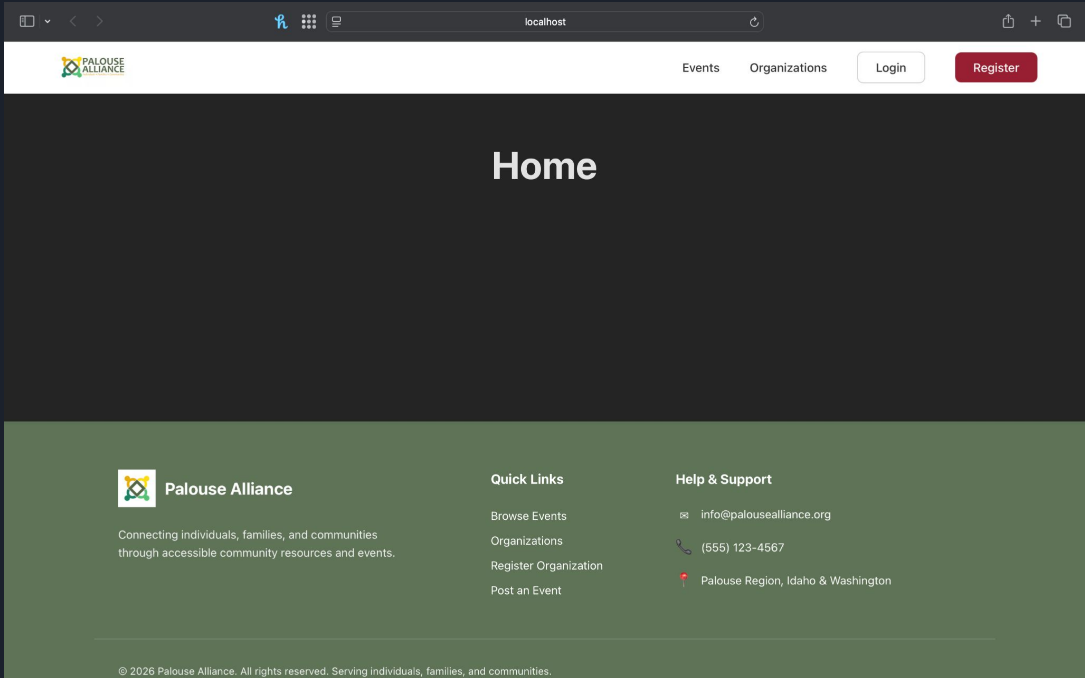
```
code
  backend
  frontend
    node_modules
    public
    src
      assets
      components
        Navbar.jsx
      pages
        Admin.jsx
        Dashboard.jsx
        Home.jsx
        Login.jsx
        Organizations.jsx
        PostEvent.jsx
        Register.jsx
      App.css
      App.jsx
      index.css
      main.jsx
```

Feature Demonstration - Header/Footer

- Header includes buttons for, events, organizations, login, and registration

- Footer contains quick links as well as a help and support section.

Current Header/Footer:



Home

Palouse Alliance

Connecting individuals, families, and communities through accessible community resources and events.

Quick Links

- Browse Events
- Organizations
- Register Organization
- Post an Event

Help & Support

✉ info@palousealliance.org
☎ (555) 123-4567
📍 Palouse Region, Idaho & Washington

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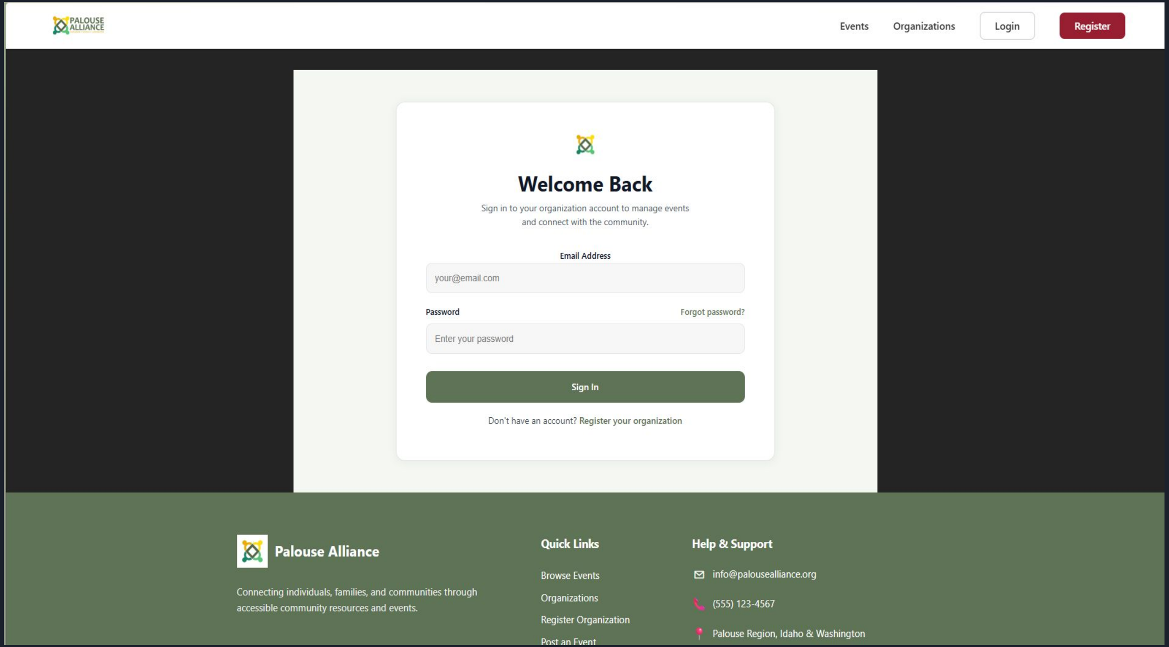
Feature Demonstration - Login Page (Frontend only)



Welcome Back

Sign in to your organization account to manage events and connect with the community.

Email Address

your@email.com

Password

Forgot password?

Enter your password

Sign In

Don't have an account? Register your organization

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Quick Links

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Organizations
Register Organization
Post an Event

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- Currently the front end design only
- Routes to register page when intended
- Routes to dashboard after login
- As of now, clients are still working on the workflow of Account Management and login so the backend implementation has been put on hold until sprint 2

Skills Identification and Learning - Front-End Development

- Skill Set Identified: Frontend development with React including client-side routing and component based architecture
- Learning Resource: React documentation (react.dev), Vite documentation (vite.dev)
- What I Learned: I learned how to structure a React application using Vite as a build tool.

Skills Identification and Learning - Front-End Development

- Skill Set Identified: I gained experience in front-end development using React and CSS for UI layout design. I focused on building the applications structure to ensure a consistent look across our current pages.
- Learning Resource: I used online resources such as Youtube tutorials and github documentation to help develop my part of the sprint.
- What I Learned: I learned how to build a navbar that stays at the top of the screen as well as an organized, sticky footer that stays at the bottom of the page.

Skills Identification and Learning - Database Management

- Skill Set Identified: I need to learn Supabase triggers to enable Row Level Security (RLS).
- Learning Resource: I followed the Supabase Docs on Postgres Triggers.
- What I Learned: I learned how to create a trigger and integrate it with the database to enable RLS by default.

Skills Identification and Learning - Integration Management

- Skill Set Identified: I needed to learn how to integrate the front-end, backend, and database into one single working application, including authentication, API requests, and deployment.
- Learning Resource: I reviewed Supabase documentation, Vercel deployment guides, and the BroCode react course on YouTube.
- What I Learned: I learned how front-end communicates and works with the backend services we have running on our application. With this I also did extra research on user authentication and deployment because I thought those were the most important to start on.

Sprint Achievements and Challenges

Completed User Stories this Sprint:

- [Setup Database]
- [Setup Frontend]
- [Website Header/Navbar]
- [Website Footer]
- [Setup Row Level Security for Supabase]
- [Feature/setup frontend]
- [Login Page (Front-end only)]

Challenges:

- This sprint we were blocked by some decisions towards account management and login that needed to be made by the clients.
- Most of the backend/database work was pushed back due to this.

Responsible Use of AI

- AI was not used for any code, setup, or documentation in repository.
- AI was used for spell check in our team submissions, which allowed for more concise and better communication.
  - All changes were reviewed and approved by a team member before being implemented.

Next Steps and Sprint Retrospective

For Sprint 2:

- Finalize database and link with current frontend UI (Login//Register page)
- Draft landing page
- Start calendar integration (Frontend & Backend)
- Finalize account management/creation workflow

What went well:

- Bi-weekly meetings were enough to get feedback and have time for us to work
- Members attended every meeting on time, and were cooperative when rescheduling was needed
- Assigning roles for client meetings (team lead, note taker, etc.)

What did not:

- Take more initiative on unassigned or lesser priority tasks

Conclusion

In this sprint, we gathered requirements from our clients, proposed a tech stack, drafted a mockup, started outlining the front-end, and setup the database. In our next sprint, we plan to get final confirmation about some vital decisions from the client and make some big progress features wise.