



# COMMUNITY RESTORATION PROJECT

## TEAM 9

# THE ISSUE

1

We need to build a safe, user-friendly platform that connects residents, facilitates event planning, and enables issue reporting.

2

The solution should foster face-to-face interactions and strengthen relationships between neighbors and staff.

3

Our goal is to create a digital platform that translates into real-world community building and improved social capital.



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# OUR SOLUTION:

A new platform for both Partners and users with a points based mechanism with AI Bot:



## AS A COMMUNITY MEMBER –

Residents can find and participate in events, report issues, volunteer, engage in community discussions, and recognize helpful acts through a points system, fostering stronger neighborhood connections and interact with AI Bot.

## AS A COMMUNITY LEADER –

Community leader and staff can organize events, manage volunteers, facilitate discussions, and recognize top contributors using point system to promote resident participation and positive community engagement.



01

## INTRODUCTION

*Overview and special features of  
our solution*

## GAMIFICATION SYSTEM

Encourages Engagement

Promotes Positive Behavior

## NEIGHBORHOOD RECOGNITION

Builds Stronger Connections

Boosts Morale:

## WHAT AND WHY?

## HOSTING, ATTENDING EVENTS

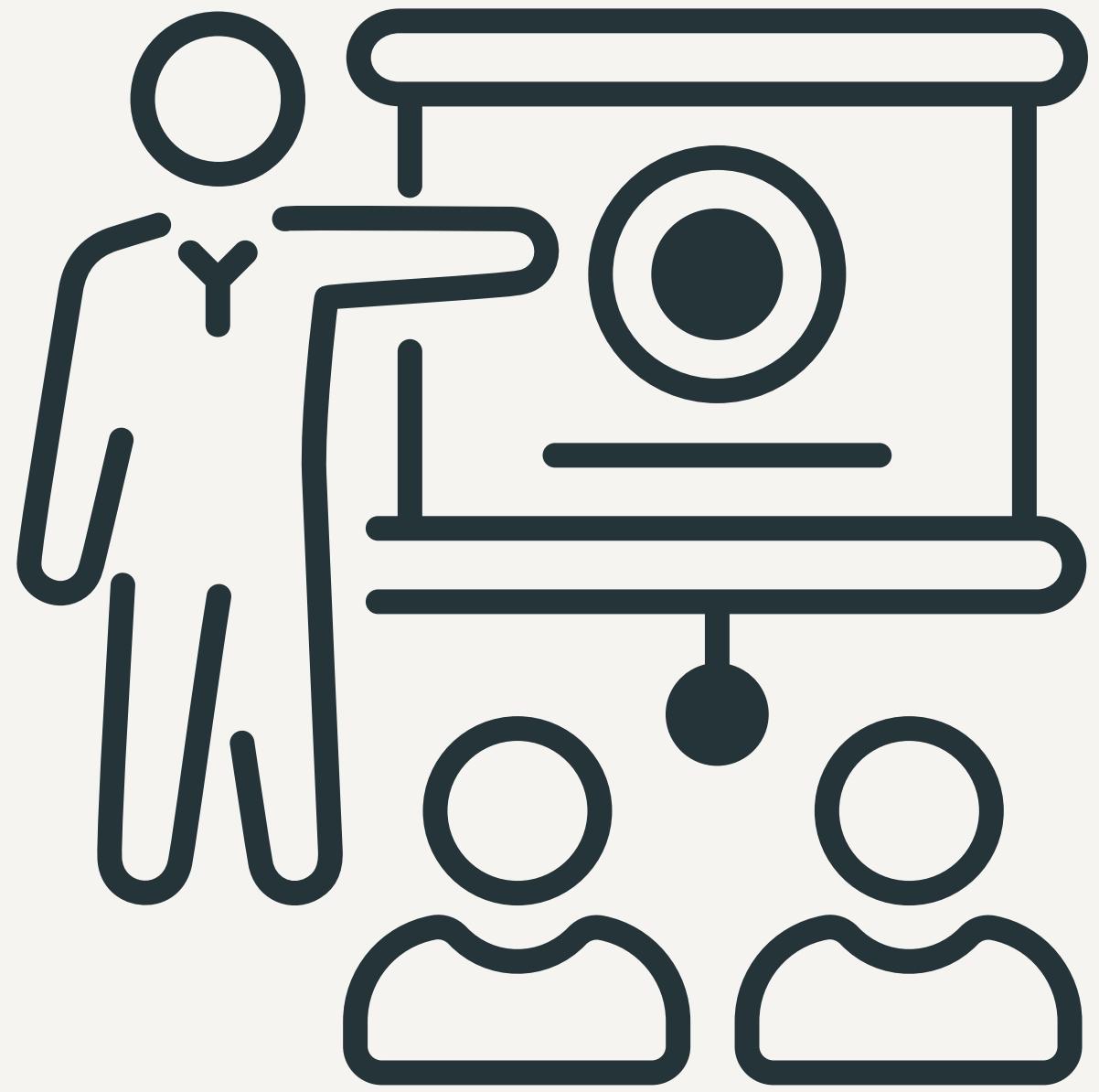
Enhances Community Cohesion

Fosters Face-to-Face Interactions

## NEIGHBORHOOD IMPROVEMENT

Empowers Residents

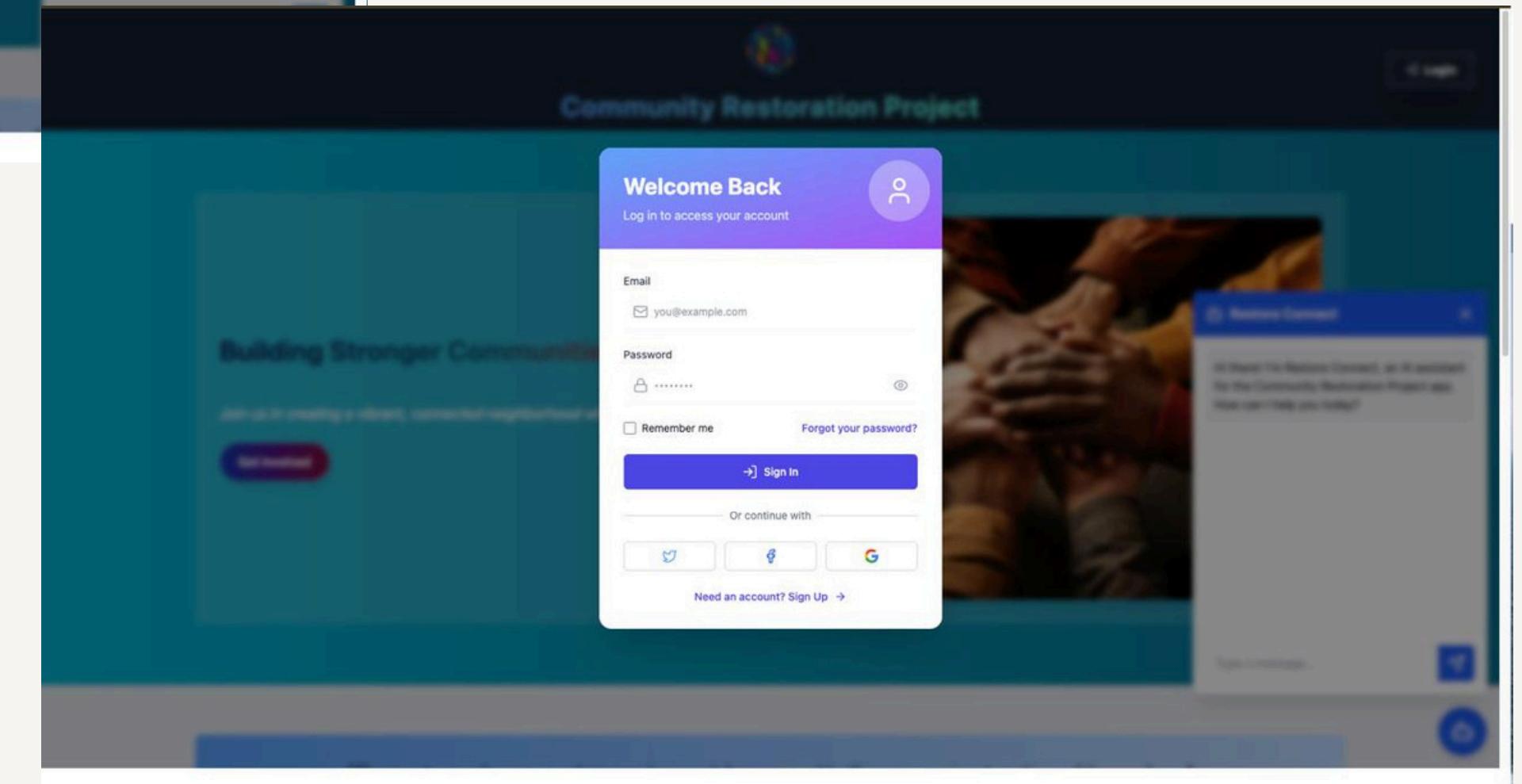
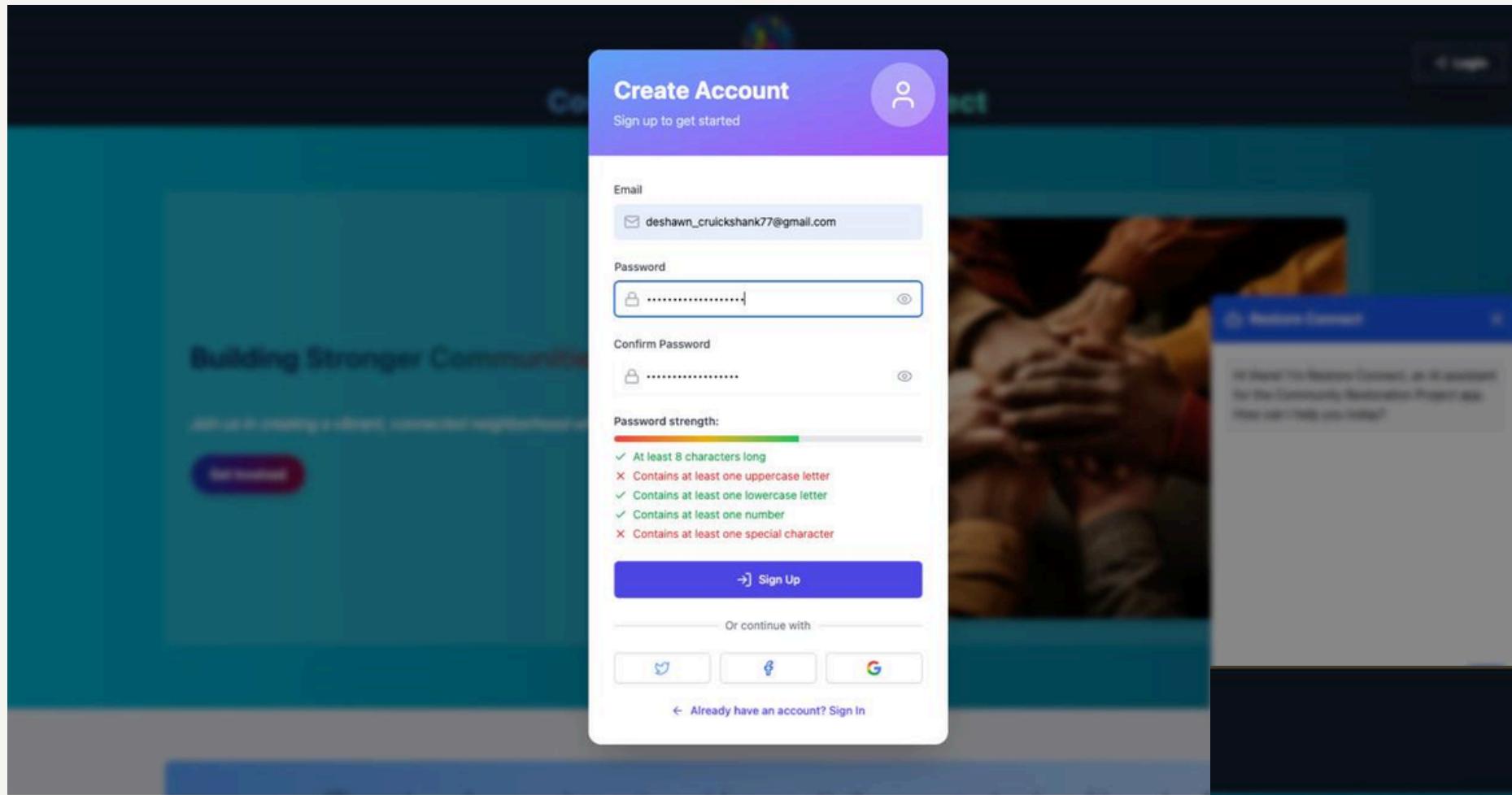
Builds Collective Responsibility



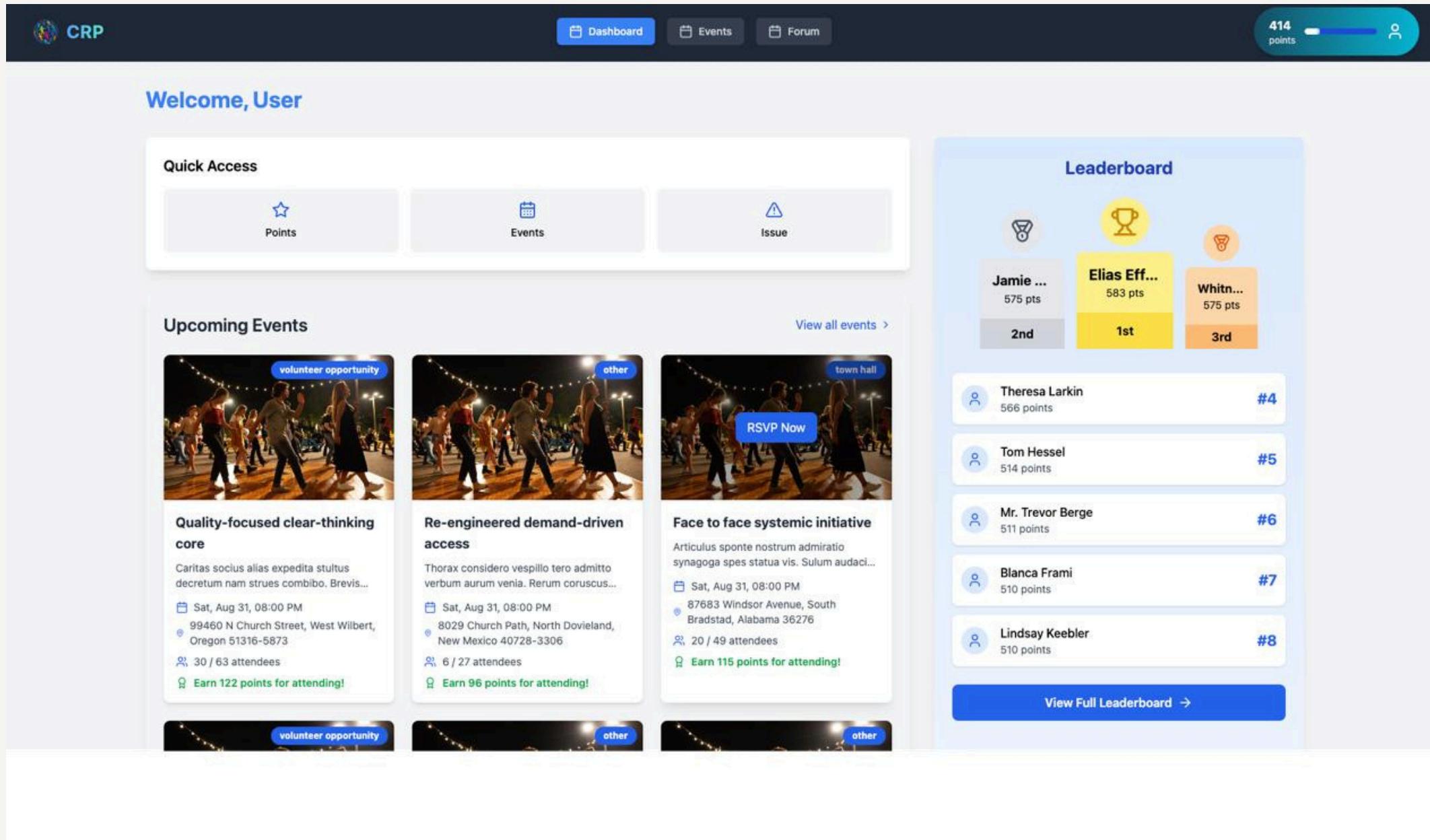
# 02 | DEMO

A Live Demo and few snippets of our app showing user experience

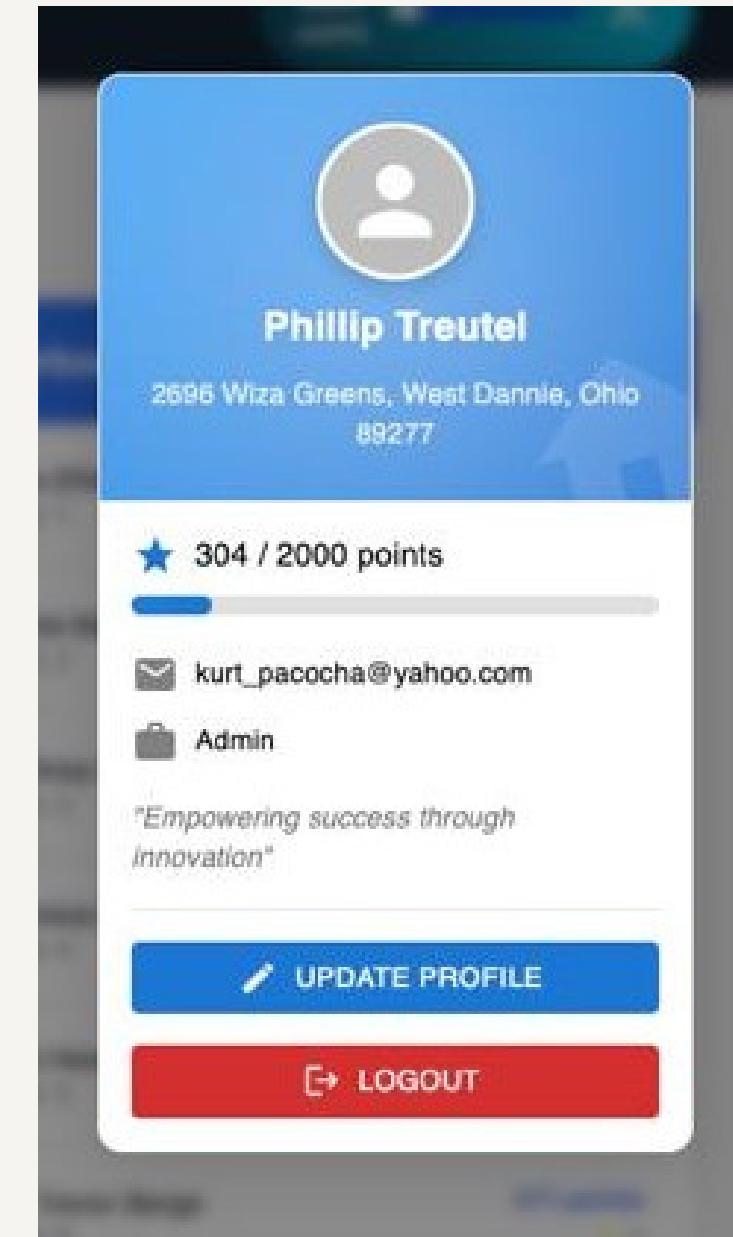
# SIGN UP & LOG IN



# USER DASHBOARD AND PROFILE CARD



The screenshot shows the user dashboard interface. At the top, there's a navigation bar with 'CRP' logo, 'Dashboard' (selected), 'Events', 'Forum', and a points counter '414 points'. Below the navigation is a 'Welcome, User' message. A 'Quick Access' section has three buttons: 'Points' (selected), 'Events', and 'Issue'. The 'Upcoming Events' section displays three event cards with images of people dancing. The first card is for a 'volunteer opportunity' at 'Quality-focused clear-thinking core' on Aug 31, 08:00 PM. The second card is for 'Re-engineered demand-driven access' at 'Articulus sponte nostrum admiratio synagoga spes statua vis. Sulum audaci...' on Aug 31, 08:00 PM. The third card is for a 'town hall' at '87683 Windsor Avenue, South Bradstad, Alabama 36276' on Aug 31, 08:00 PM. The 'Leaderboard' section shows a top三 with Jamie... (2nd), Elias Eff... (1st), and Whitn... (3rd). The main leaderboard lists users with their points and ranks: Theresa Larkin (#4, 566 pts), Tom Hessel (#5, 514 pts), Mr. Trevor Berge (#6, 511 pts), Blanca Frami (#7, 510 pts), and Lindsay Keebler (#8, 510 pts). A 'View Full Leaderboard' button is at the bottom.



The screenshot shows the user profile card for Phillip Treutel. It features a large blue header with his profile picture, name, address (2696 Wiza Greens, West Dannie, Ohio 89277), and phone number (89277). Below the header, it shows his current points (304 / 2000) with a progress bar, email (kurt\_pacocha@yahoo.com), and role (Admin). A quote "Empowering success through innovation!" is displayed. At the bottom are 'UPDATE PROFILE' and 'LOGOUT' buttons.

The screenshot displays the "Community Engagement Hub" interface, which includes the following sections:

- Points Dashboard:** Shows total points (511), gained points (136), gifted points (179), and available points (0). It features a bar chart showing the distribution of points across different categories: Community Events (blue), Volunteer Work (green), Neighborly Acts (yellow), Issue Reporting (orange), Skill Sharing (purple), and Green Initiatives (green).
- Available Rewards:** Lists four reward options with their respective point values: Coffee Shop Voucher (100 PTS), Local Store Discount (200 PTS), Online Course Access (500 PTS), and Community Event Ticket (150 PTS). Each option has a "REDEEM" button.
- Redemption History:** Shows a history entry for a "Coffee Voucher" redeemed on 2023-09-15 for -50 pts.
- Recognize a Neighbor:** A search bar for finding neighbors and a message input field for writing recognition messages. Categories for recognition include Community Events, Volunteer Work, Neighborly Acts, Issue Reporting, Skill Sharing, and Green Initiatives.
- Community Recognitions:** A list of recent recognitions:
  - Mr. Trevor Berge → Phillip Treutel (Community Events) - 4 pts
  - Mr. Trevor Berge → Rosalie Lockman (Volunteer Work) - 2 pts
  - Mr. Trevor Berge → Tamara Cassin (Skill Sharing) - 20 pts
- Redemption History:** Shows a history entry for a "Coffee Voucher" redeemed on 2023-09-15 for -50 pts, a "Local Bookstore Coupon" redeemed on 2023-09-10 for -100 pts, and a "Professional Development Course" redeemed on 2023-09-05 for -500 pts.
- Points Trend:** A line graph showing the trend of points over time from January to June, starting at approximately 350 points and rising to about 1200 points by June.

# POINTS MANAGEMENT HUB

# EVENTS PAGE

CRP

Dashboard Events Forum 414 points

## Community Events

+ CREATE EVENT

Today	Back	Next				
September 2024						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
01	02	03	04	05	06	07
08	09	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	01	02	03	04	05

Search Events

Event Type: All Types Sort by: Date

**Quality-focused clear-thinking core**  
Caritas socius alias expedita stultus decretum nam strues combibo. Brevis conventus corporis stipis delicate asperiores vilis tumultus. Expedita decor cassio.  
Sat, Aug 31, 08:00 PM  
99460 N Church Street, West Wilbert, Oregon 51316-5873  
30 / 63 attendees  
Earn 122 points for attending!

**Re-engineered demand-driven access**  
Thorax considero vespillo tero admitto verbum aurum venia. Rerum coruscus stultus autus aetas pauci caterva maiores aequitas. Voluptates benigne demens culpo amita...  
Sat, Aug 31, 08:00 PM  
8029 Church Path, North Dovieland, New Mexico 40728-3306  
6 / 27 attendees  
Earn 96 points for attending!

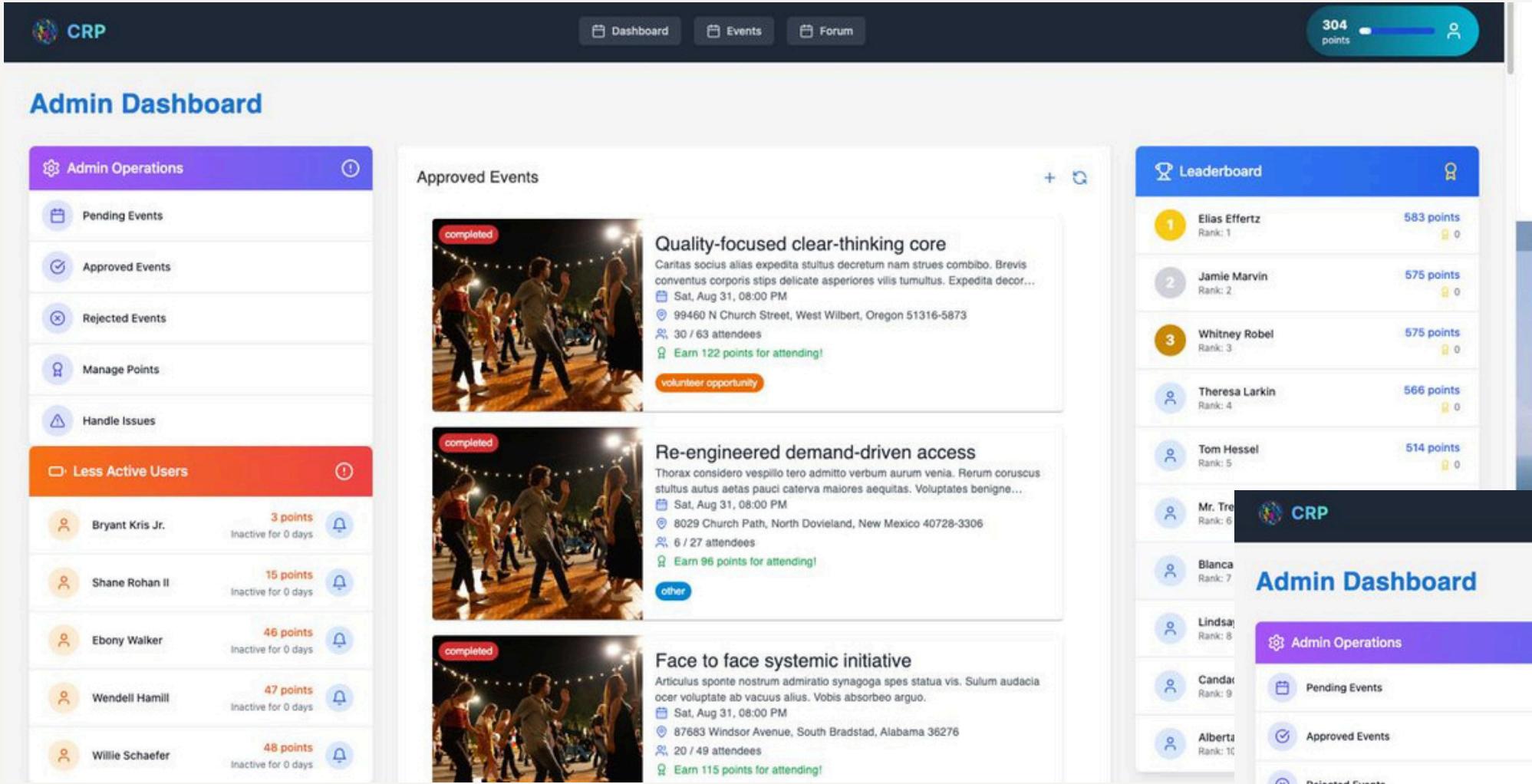
**Face to face systemic initiative**  
Articulus sponte nostrum admiratio synagoga spes statua vis. Sulum audacia ocer voluptate ab vacuous aliis. Vobis absorbeo arguo.  
Sat, Aug 31, 08:00 PM  
87683 Windsor Avenue, South Bradstad, Alabama 36276  
20 / 49 attendees  
Earn 115 points for attending!

The screenshot shows the 'Community Forum' section of a web application. At the top, there are 'Quick Actions' buttons for 'New Post', 'My Posts', and 'Bookmarks'. Below this is a 'Chats' sidebar with messages from users like JohnDoe, JaneSmith, BobJohnson, AliceWilliams, and CharlieGreen. The main area displays two forum posts. The first post, by CRPAdmin, is titled 'Monthly Town Hall Meeting - Agenda Items' and discusses upcoming topics. The second post, by ConcernedParent, reports a broken swing in Oakwood Playground. Both posts include tags, like-counts, comment counts, and share options.

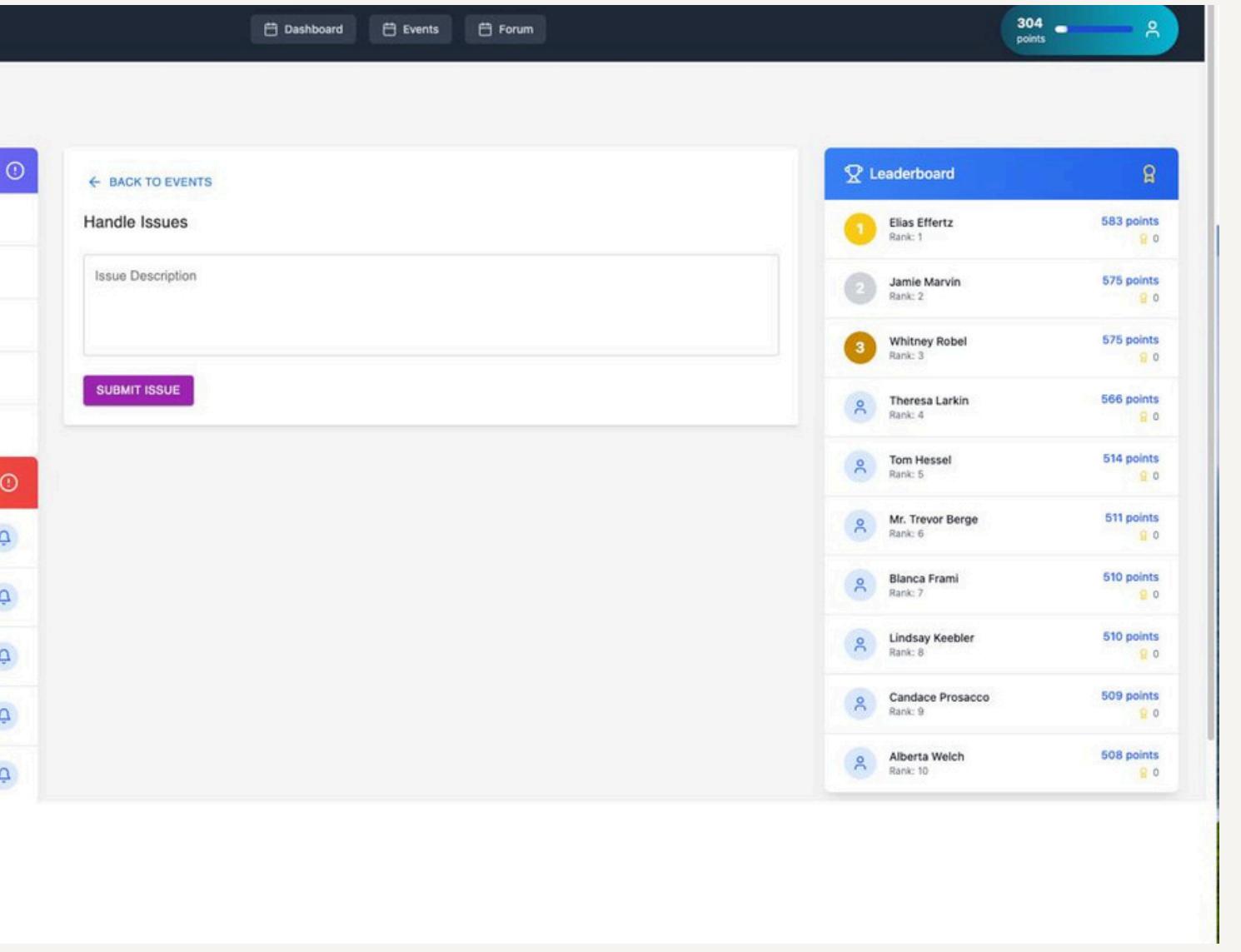
# AI BOT

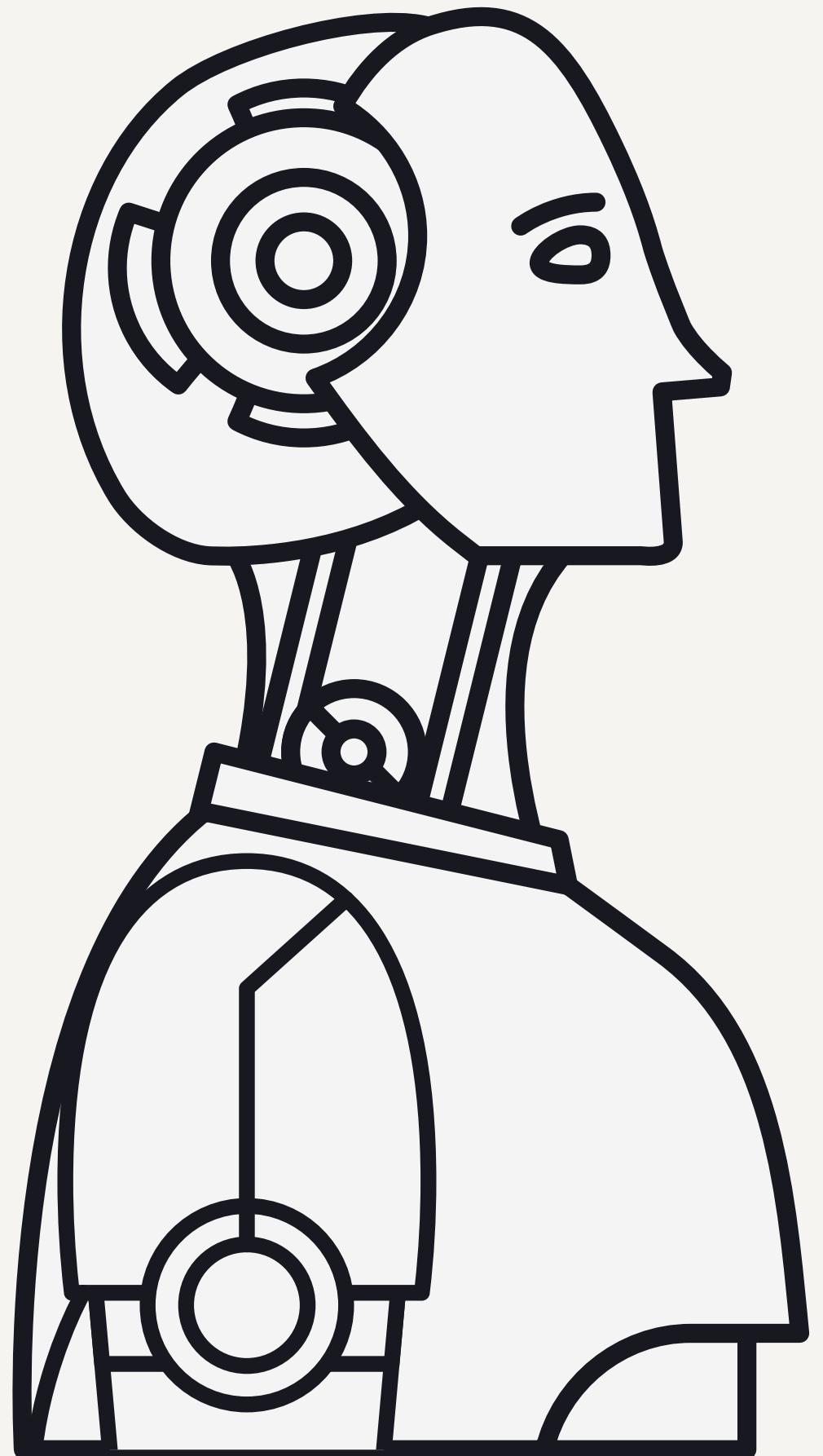
A modal window titled 'Community Assistant' is open. It displays a welcome message: 'Hello! Welcome to the Community Restoration Project app! This app is a safe space for you to connect, help each other, and engage with the community. How can I help you today?'. Below the message is a text input field with placeholder text 'Type a message...' and a send button icon.

# COMMUNITY FORUM



**ADMIN DASHBOARD**



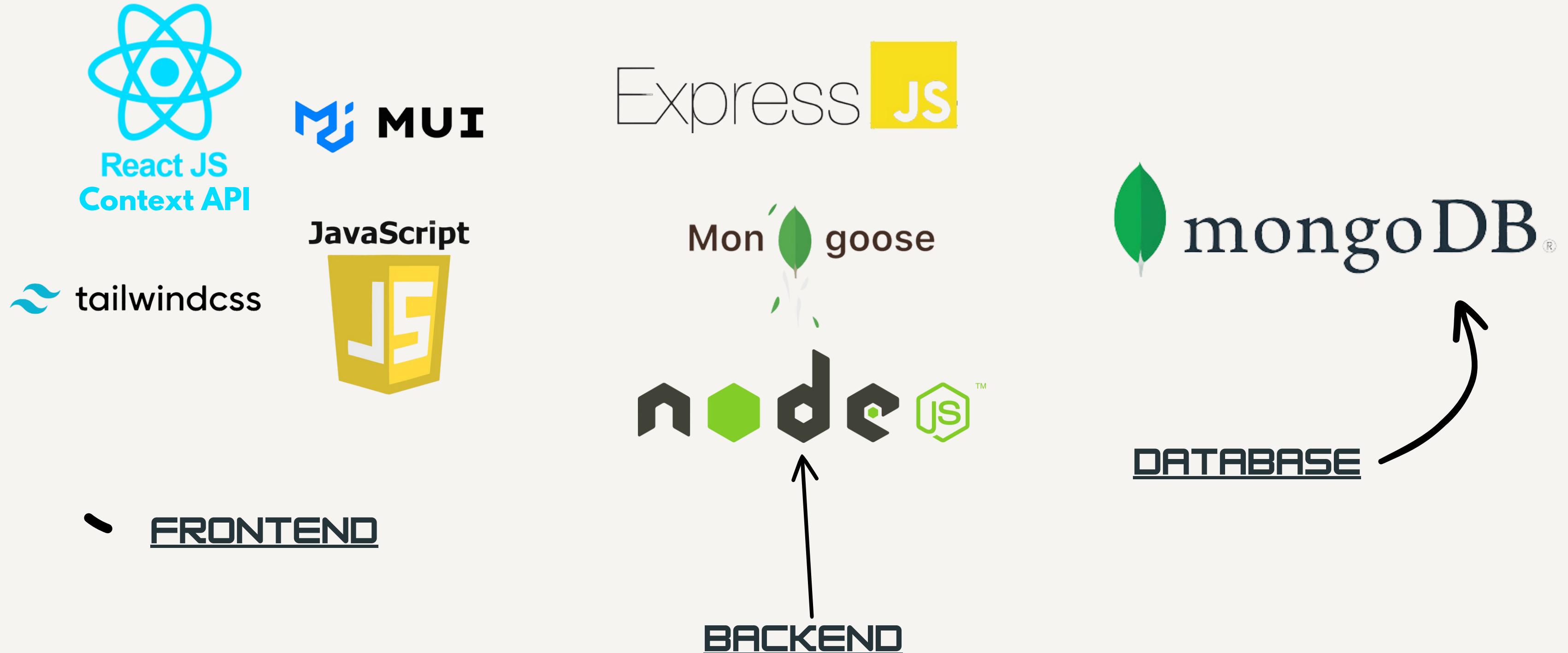


03

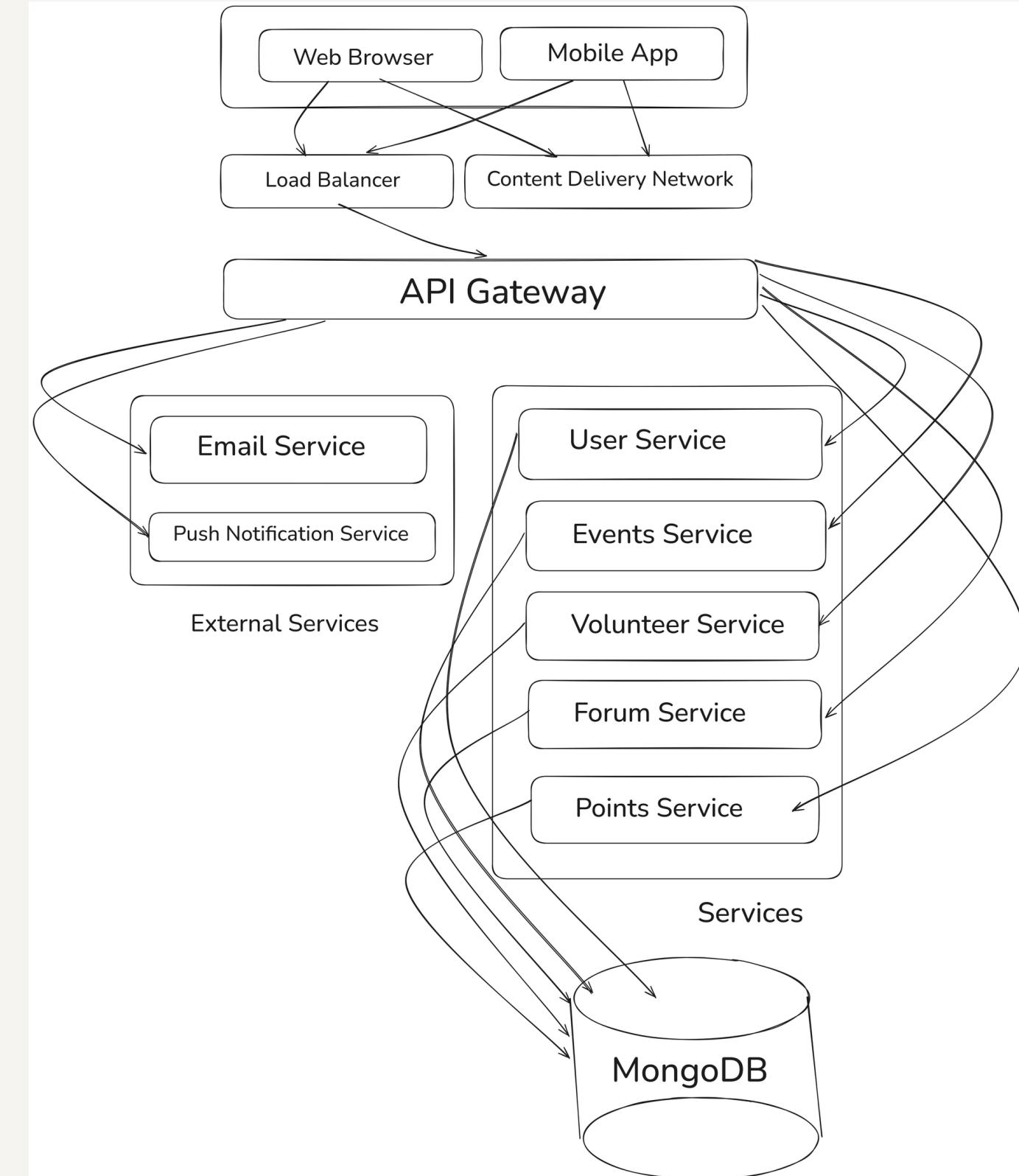
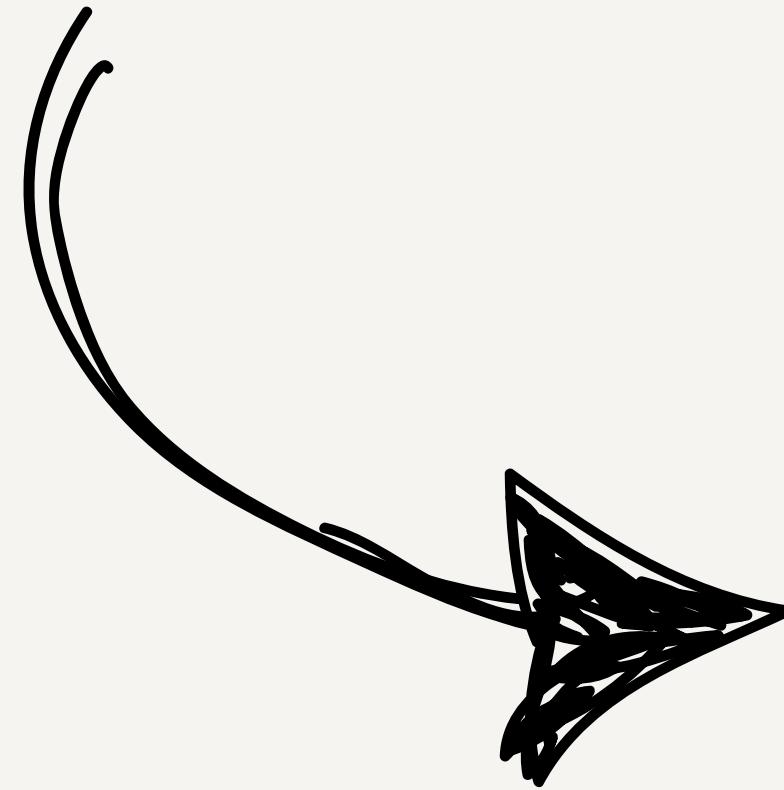
## SYSTEM DESIGN

*Overview of  
System Design and tech Stack*

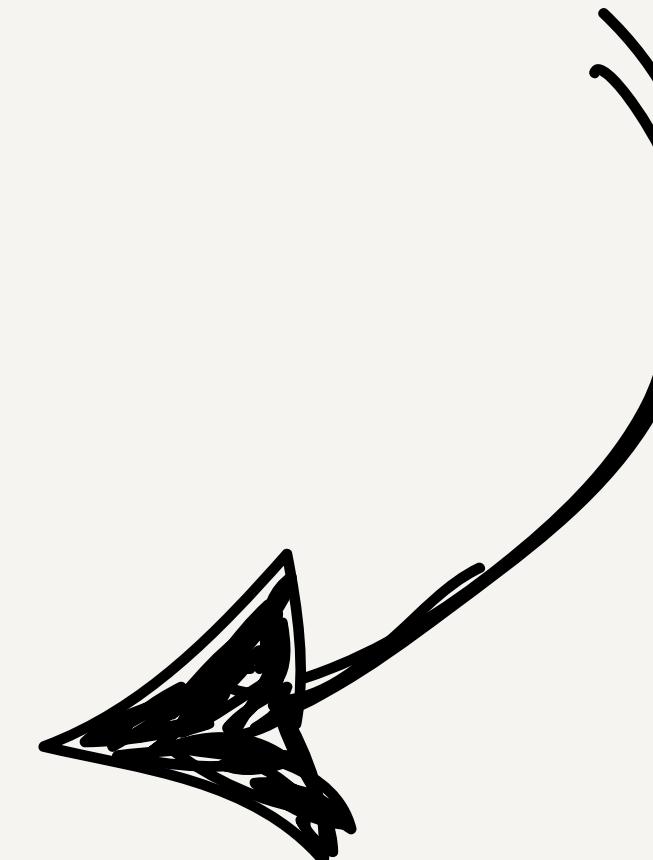
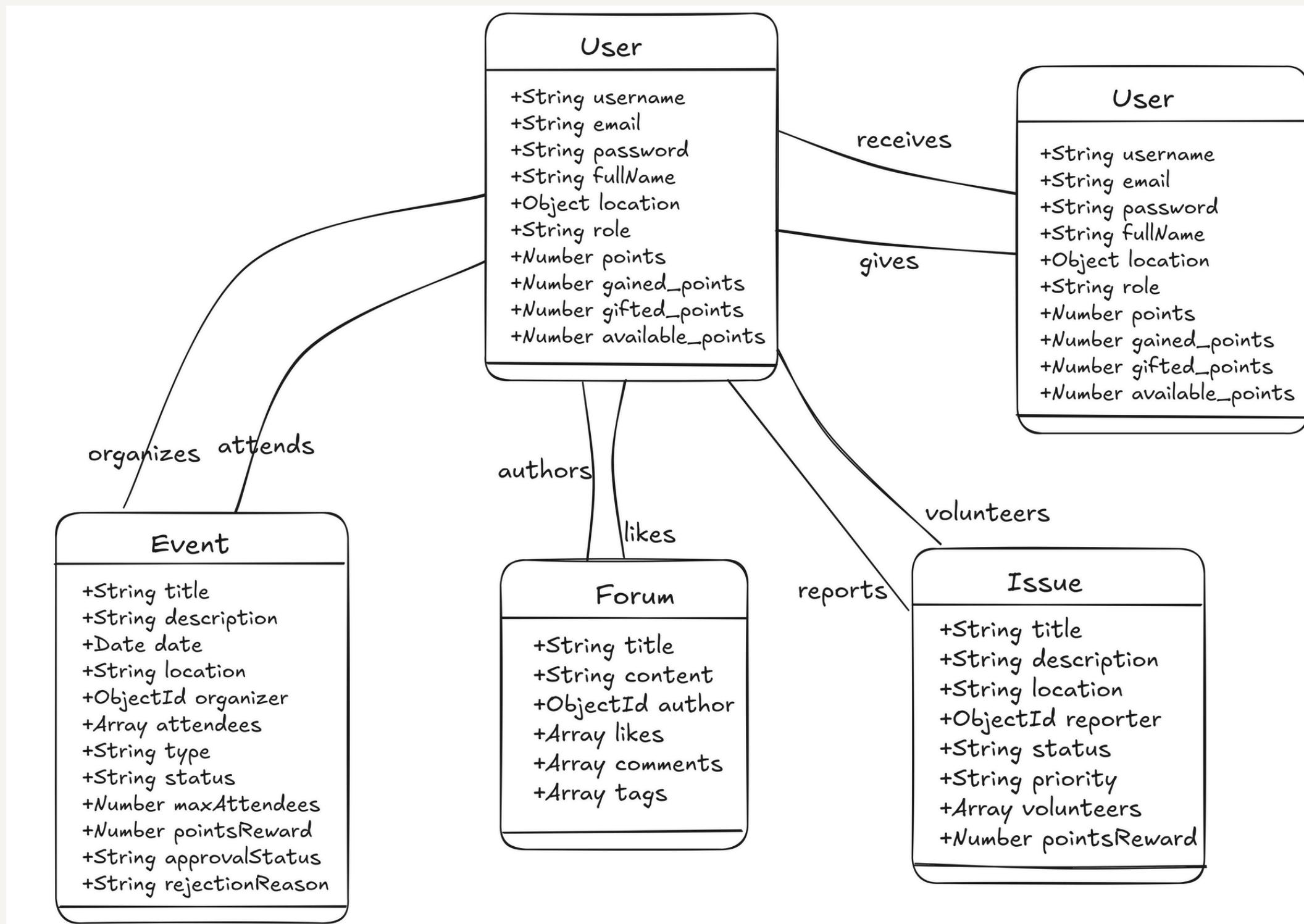
# SYSTEM TECH STACK



# SYSTEM DESIGN



# DATABASE SCHEMA



# FUTURE SCOPE AND IMPROVEMENTS

## Technical

Integrate social media applications like WhatsApp to setup proper notification system.

Hosting the application on cloud and setting up CI/CD pipelines for further improvement

## Non – Technical

Dynamic feedback form -  
Automatically sent to the user portal  
after the event  
to gather feedback and ratings

Skill and Availability Matching-  
Analyzes volunteer profiles and suggests events that match their skills and availability.





04

## CONCLUSION

*key notes and wrapping up the pitch*

# Meet Our Team



**Rebecca Williams**  
Masters Student



**Sai Patibandla**  
Full Stack Developer



**Suzal Regmi**  
Junior at GSU



**Quang Tran**  
Junior at GSU



**Philip Boulds**  
Senior at GSU



**Sravani Arugunta**  
Masters Student at GSU



**Kareem Weaver**  
Junior at Morehouse College



**Varun Savai**  
Masters Student at GSU

