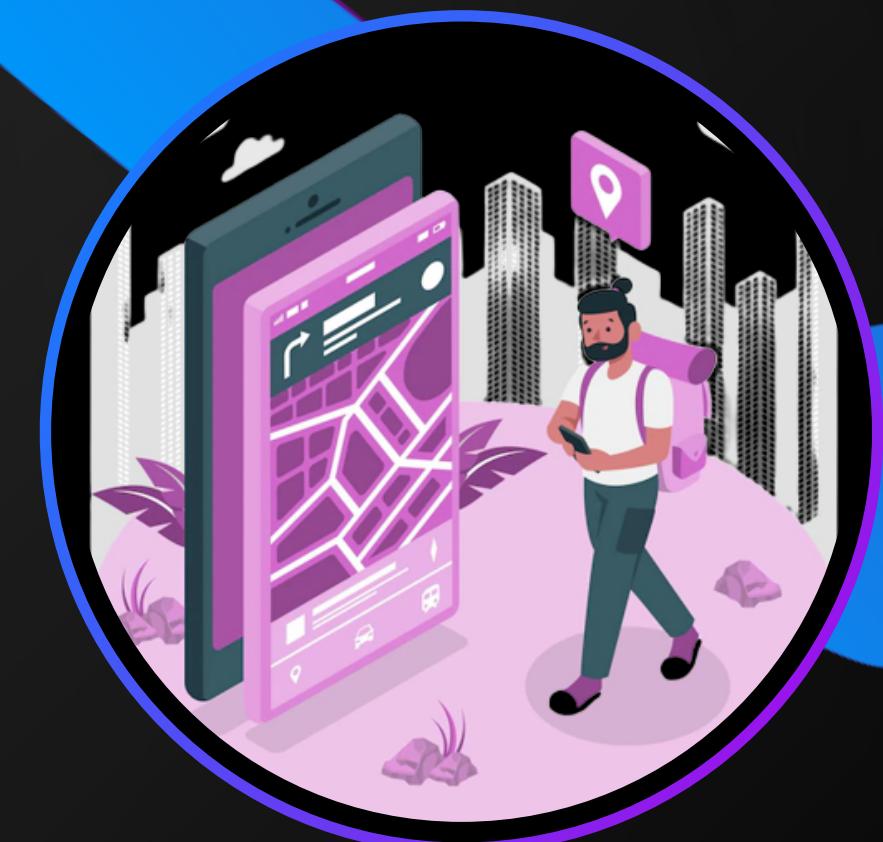




*</Code> with
Maps*

CAMPUS CONNECT

Presented by: Anushka Pimpalshende



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Introduction

In today's college environment, vibrant communities exist for a multitude of interests, from career development to the arts. However, students often face the challenge of effectively discovering and engaging with these communities. Imagine a solution that connects students with their areas of interest and keeps them updated on the latest events, meetings, and locations pertinent to those communities. This is precisely what we aim to achieve - a dynamic system that uses Google Maps as a tool to bridge the gap between diverse campus communities, ensuring that students stay informed and engaged in the activities that matter to them.





Problem Statement:

The problem addressed by the CampusConnect app is the difficulty students face in discovering and engaging with diverse campus communities and their events.

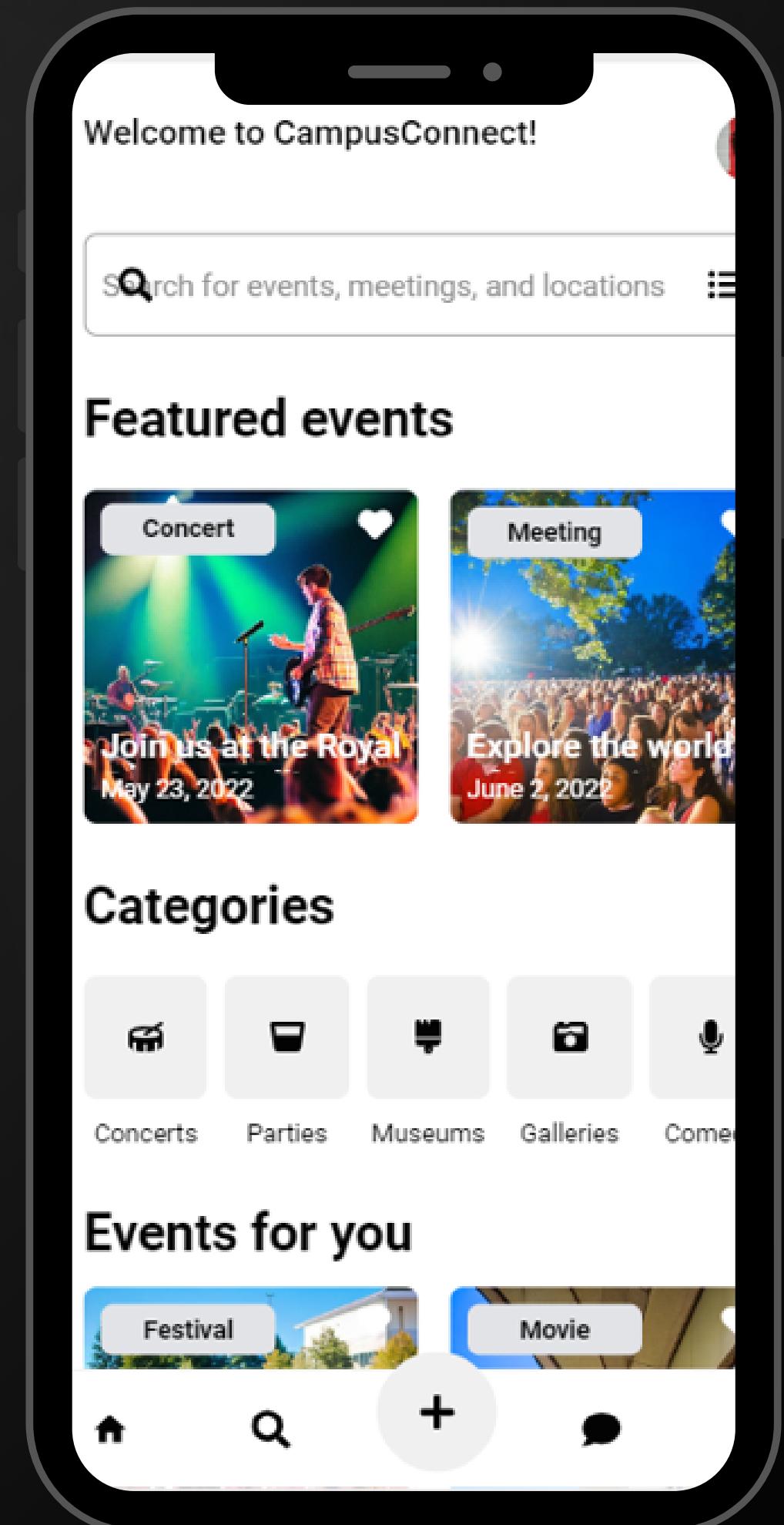
The app aims to bridge this gap by connecting students with their interests, providing event updates, and using Google Maps to enhance engagement and campus involvement.





Solution Overview

CampusConnect is a comprehensive solution that connects students with their interests by offering a user-friendly platform for registering, selecting interests, browsing diverse campus communities, and receiving event notifications. Integrated with Google Maps, it ensures students stay informed and engaged in campus activities, fostering a vibrant and inclusive college community.



PROTOTYPE SCOPE

Key Screens:

1. Registration:

Allows users to create an account with their name, email, and password.

2. Interest Selection:

Permits users to choose their interests from a list of categories.

3. Community Listing:

Displays a list of campus communities grouped by interests.

4. Event Notifications:

Sends users notifications for events related to their selected interests.

Functionality:

- User registration with essential details.
- Selection of interests from a predefined list.
- Viewing a list of campus communities categorized by interests.
- Receiving event notifications based on selected interests.

TECHSTACK



Frontend

- *HTML*
- *CSS*
- *JavaScript*

Backend

- *Node.js*

Database

- *MongoDB*

Web framework

- *Express.js*

Notification

- *Firebase Cloud Messaging (or equivalent)*

Map integration

- *Google Maps JavaScript API*
- *Google Maps Geocoding API*

ARCHITECTURE FLOW

The architectural flow for the CampusConnect project involves several components working together to provide users with a seamless experience. Here's an overview:

1. Frontend:

- User interacts with the web interface using HTML, CSS, and JavaScript.
- Submits registration information and selects interests.

2. Backend (Node.js and Express.js):

- Receives user registration data and stores it in the database.
- Manages user authentication and authorization.

3. Database (MongoDB):

- Stores user profiles, including registration information and selected interests.
- Stores community and event data, such as descriptions and locations.

4. Google Maps Integration (Google Maps APIs):

- Utilizes the Google Maps JavaScript API to display community and event locations on the map.
- Utilizes the Google Maps Geocoding API to convert addresses into geographic coordinates.

5. Event Notifications (Firebase Cloud Messaging or equivalent):

- Sends event notifications to users based on their selected interests.
- Provides a way for users to receive timely event updates.

6. User Interaction Flow:

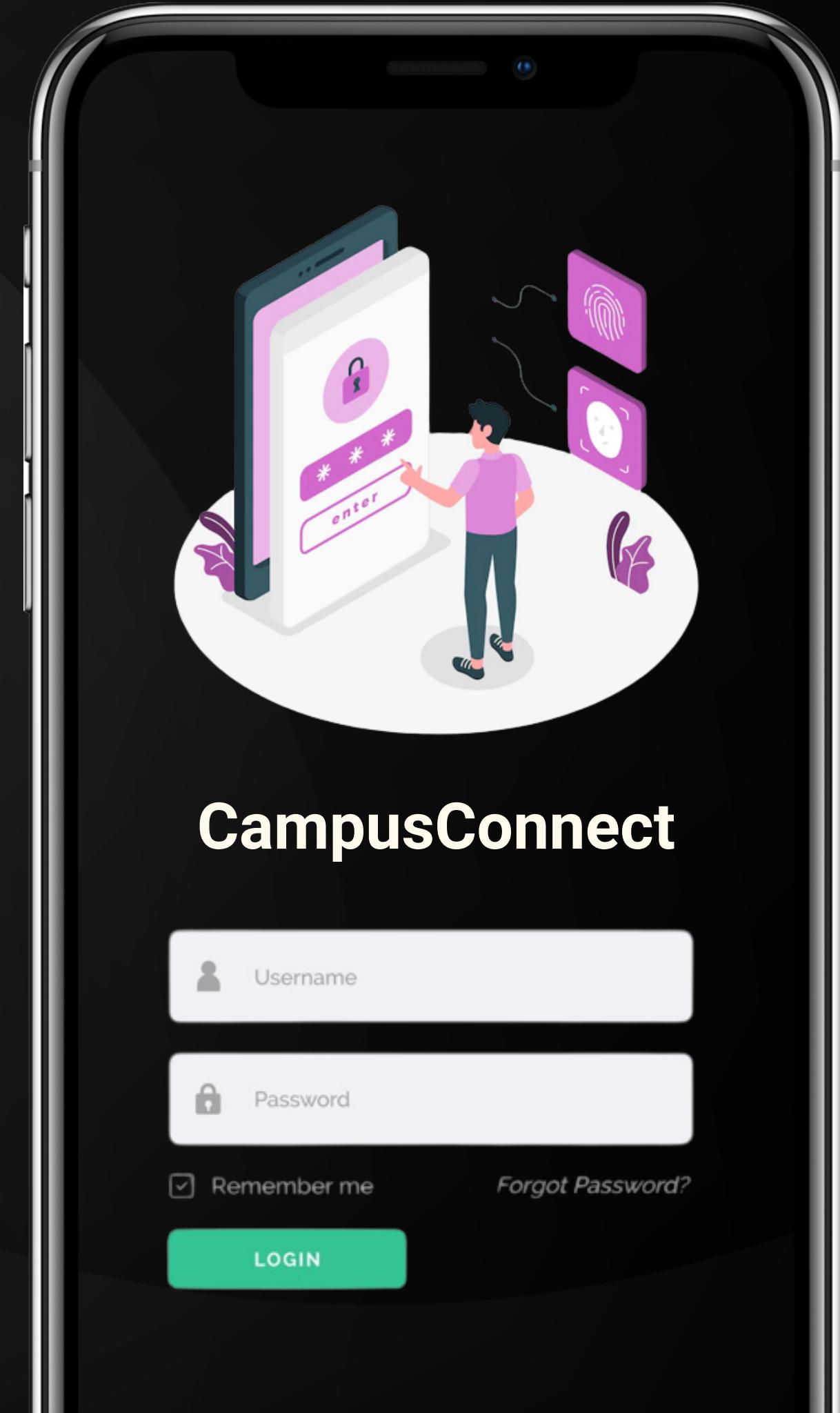
- Users register and select interests.
- They explore communities categorized by interests.
- Receive event notifications based on their selected interests.

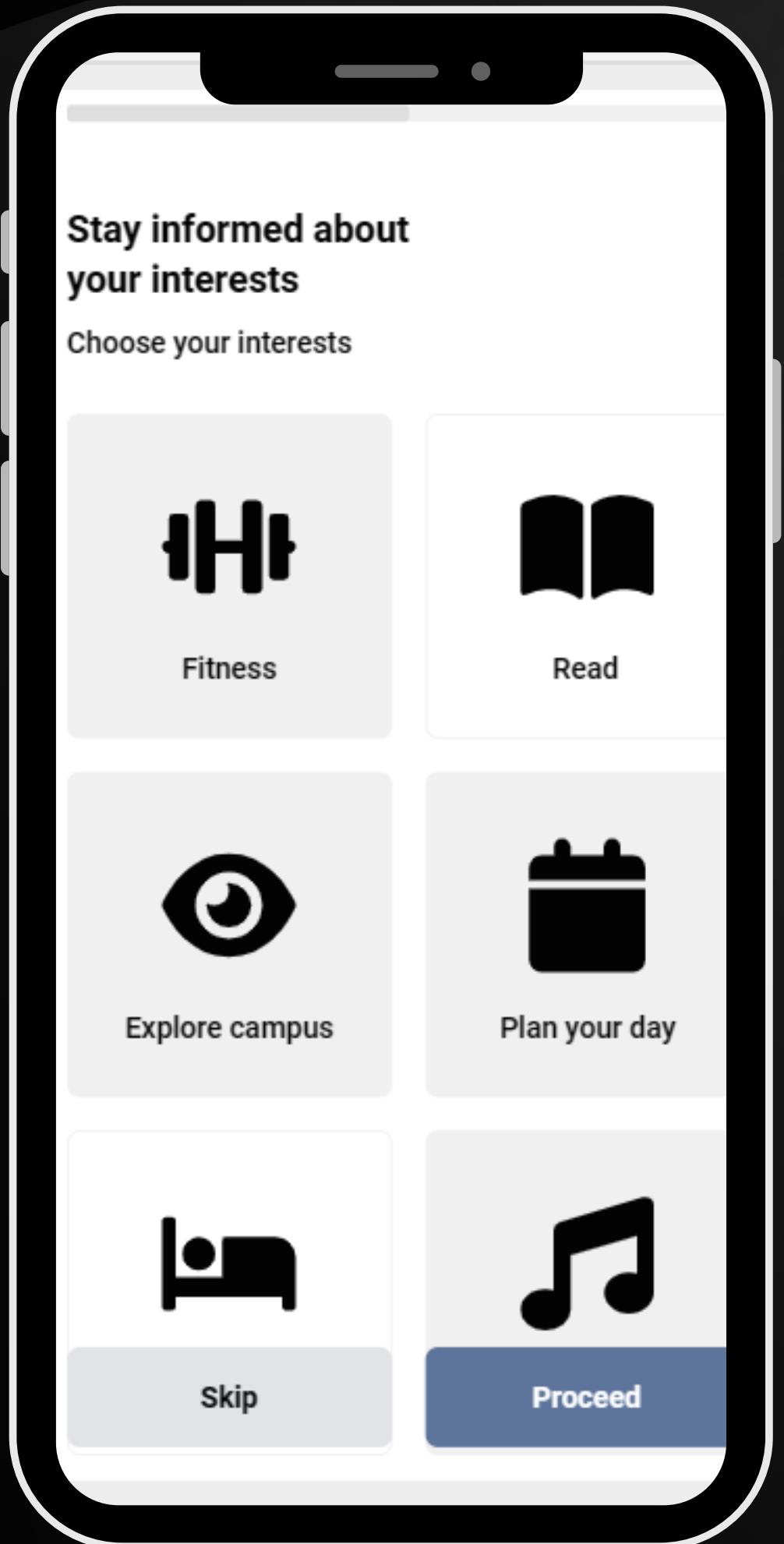
This architectural flow ensures that user data is securely stored, interactions are user-friendly, and event notifications are personalized and timely, creating an engaging and informative platform for campus communities.

User Registration

User registration in CampusConnect is a straightforward process:

- Users provide their name, email, and a password.
- The app validates the email format and ensures its uniqueness.
- Users are registered, and their data is stored securely.
- Upon registration, they can explore campus communities and select their interests.
- The registration process is designed for simplicity and efficiency.

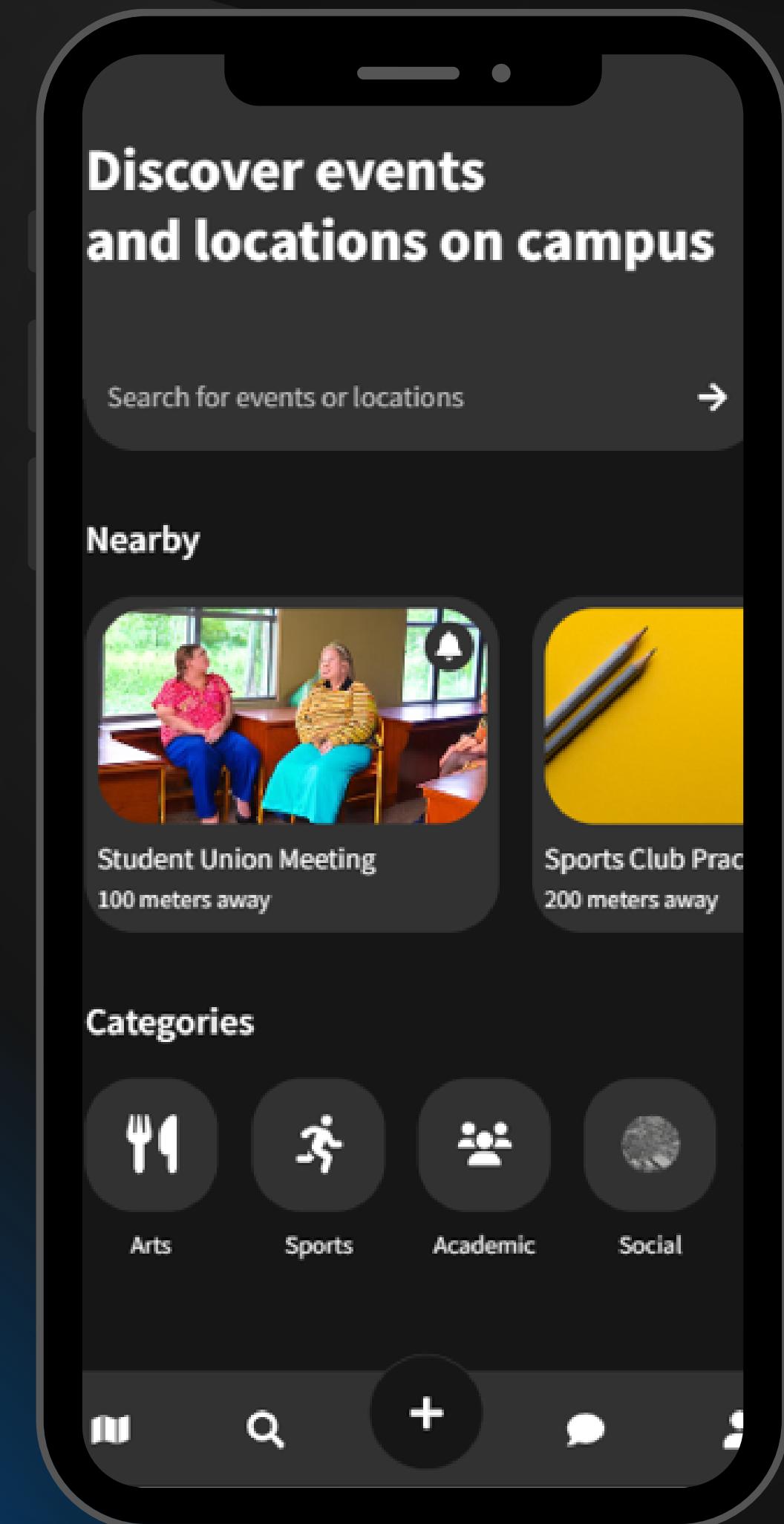




Interest Selection

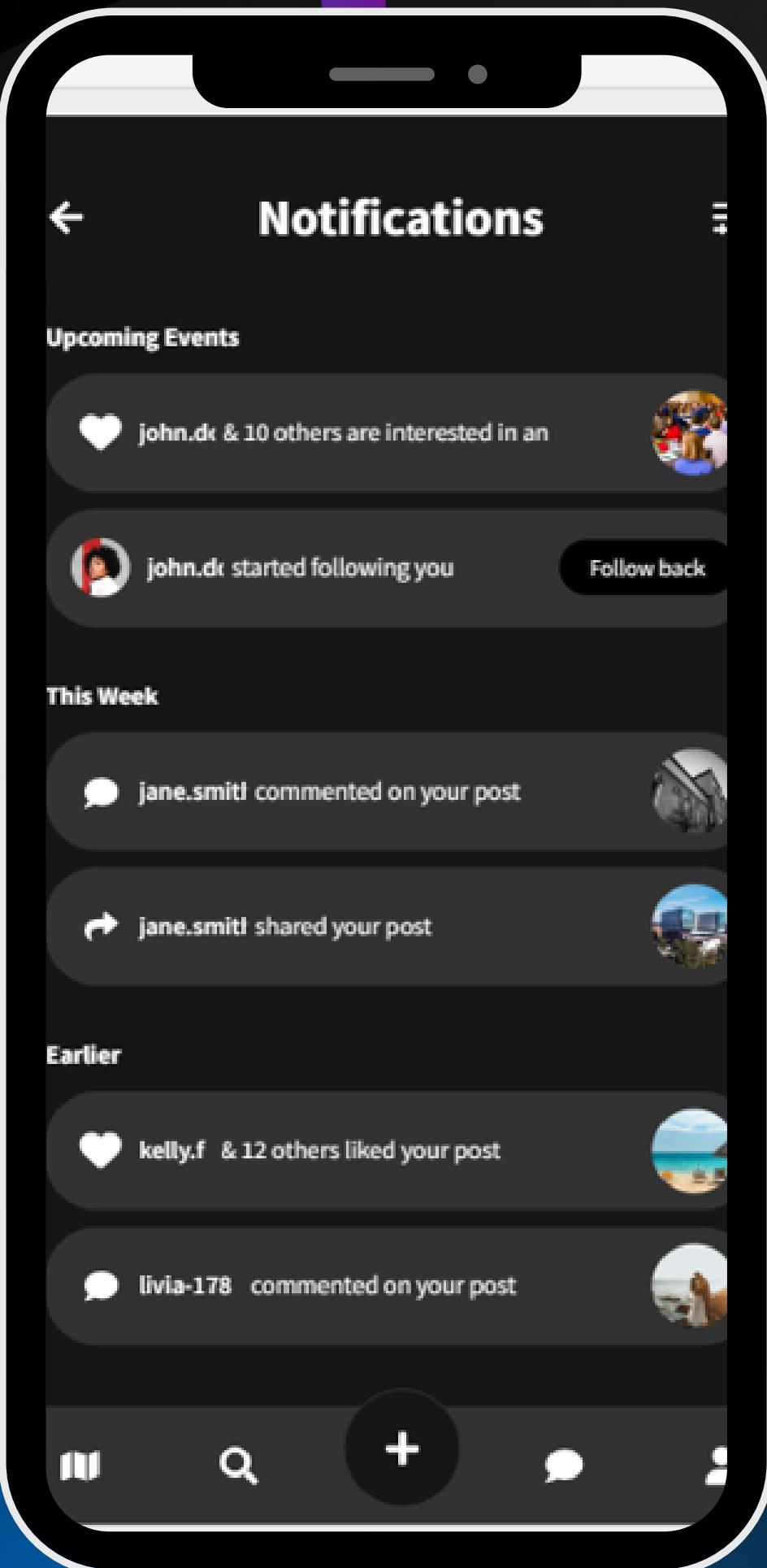
In CampusConnect, users select their interests from predefined categories via a user-friendly interface. They simply navigate to the "Interests" section, where they find a list of categorized interests such as arts, sports, or career development. By clicking on their chosen categories, users can effortlessly indicate their preferences, enabling the app to tailor event notifications accordingly.

Community Listing

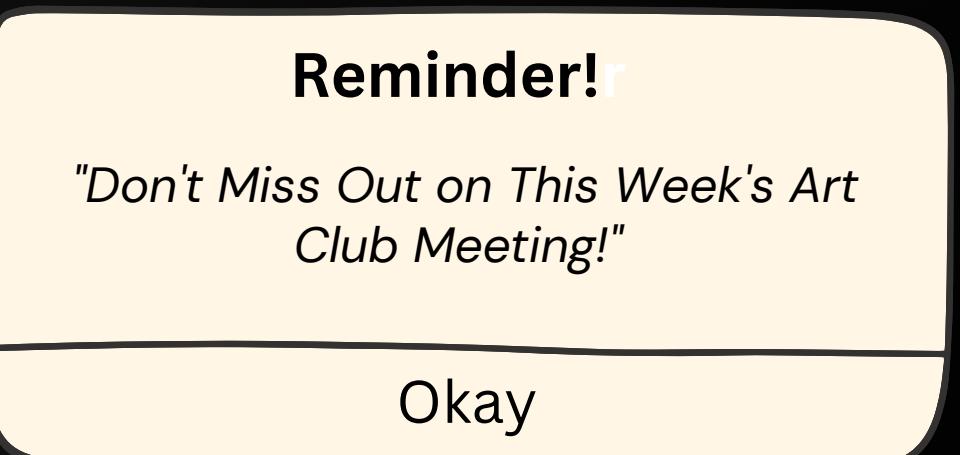


CampusConnect categorizes campus communities by interests. When users select an interest, the app filters and displays relevant communities. The user-friendly interface offers a categorized view, making it easy for students to explore and connect with like-minded groups, fostering engagement and community involvement.

Event Notifications

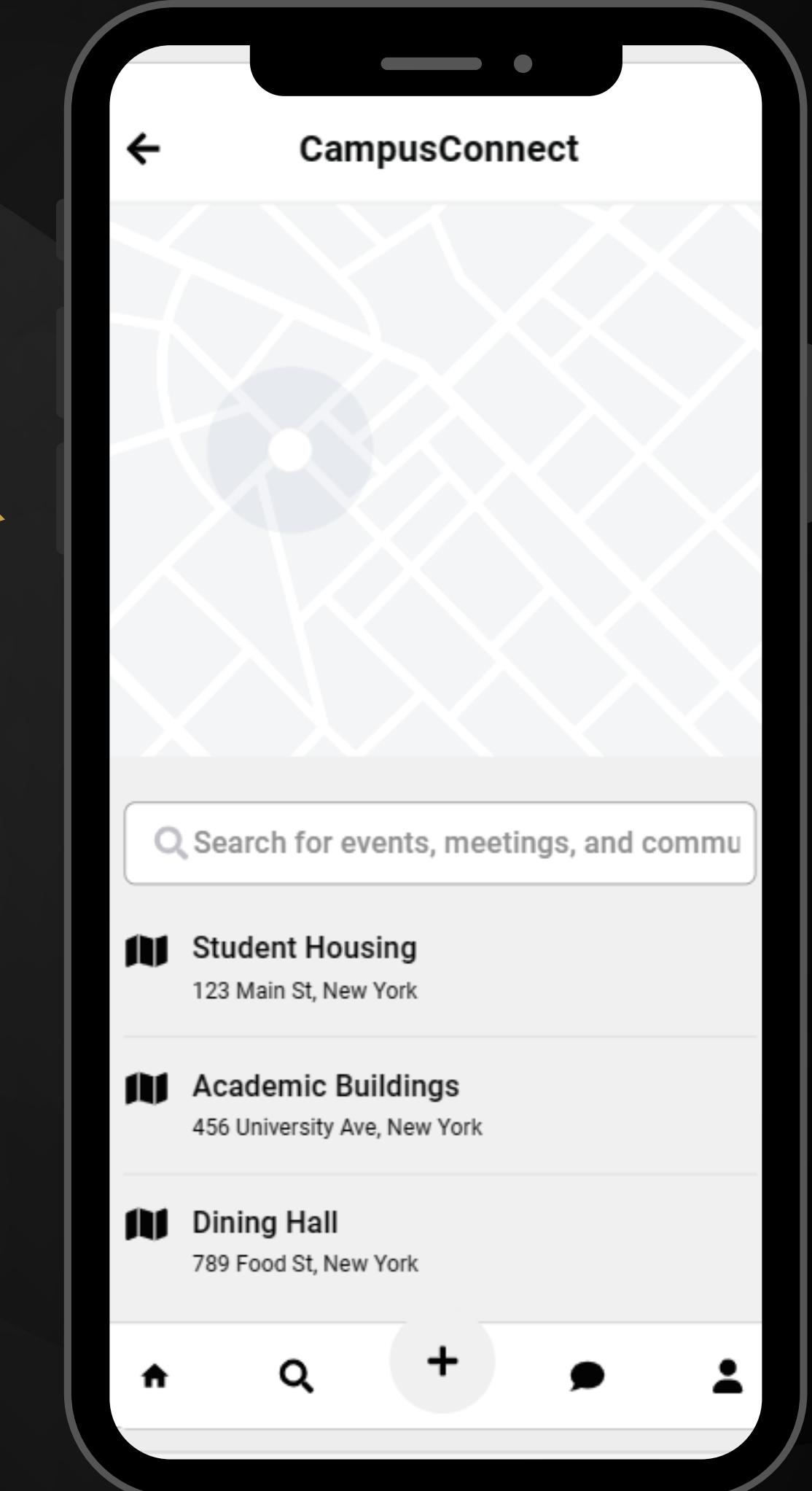


The CampusConnect notification system is tailored to user interests. It monitors the event calendar and sends event updates, such as meeting times, locations, and details, to users who have selected specific interests. This personalized approach ensures students receive timely notifications for events that align with their preferences, enhancing engagement.



Google Maps Integration

The integration of Google Maps in CampusConnect enhances the user experience by providing visual, real-time location information for both campus communities and event venues. Users can effortlessly visualize where meetings and events are taking place, making it easier to plan their participation. This not only streamlines navigation but also fosters a sense of confidence and convenience, ultimately increasing user engagement and participation.



VIDEO DEMO

recorded demonstration of the prototype.

In a live demonstration of the CampusConnect prototype, we'll walk you through the key features:

1. User Registration:

We'll show how easy it is for students to create an account using their name, email, and password.

2. Interest Selection:

You'll see how users can select their interests from predefined categories, ensuring tailored event notifications.

3. Community Listing:

We'll showcase how communities are categorized by interests, allowing students to explore and join those that resonate with them.

4. Event Notifications:

We'll demonstrate how event notifications are sent based on selected interests, ensuring students stay informed about upcoming events.

Please note that this is a simplified prototype, and real-world deployment would offer even more exciting features and functionality.

Google drive link for the demo Video

<https://drive.google.com/file/d/1l4pvelbWZYmMYkmJt4Zt8Aziei4qQ5q/view?usp=drivesdk>



Next Step

The future development of CampusConnect envisions the expansion of features, including real-time chat, event check-ins, and a recommendation engine for tailored event suggestions. Moreover, the potential for integrating with institutional systems and partnering with colleges for full-scale deployment will be explored to create a comprehensive campus engagement platform.

Conclusion

Key Points:

CampusConnect addresses the challenge of students connecting with campus communities and staying informed.

The prototype demonstrates core features: user registration, interest selection, community listing, and event notifications.

Google Maps integration enhances user experience.

Future development includes chat, check-ins, recommendations, and institutional partnerships.

Express Enthusiasm:

We're excited about CampusConnect's potential to revolutionize campus engagement, fostering vibrant communities and empowering students to make the most of their college experience.



THANK YOU

For watching this presentation



9097541616



anushkapimpalshende@gmail.com



Navi mumbai