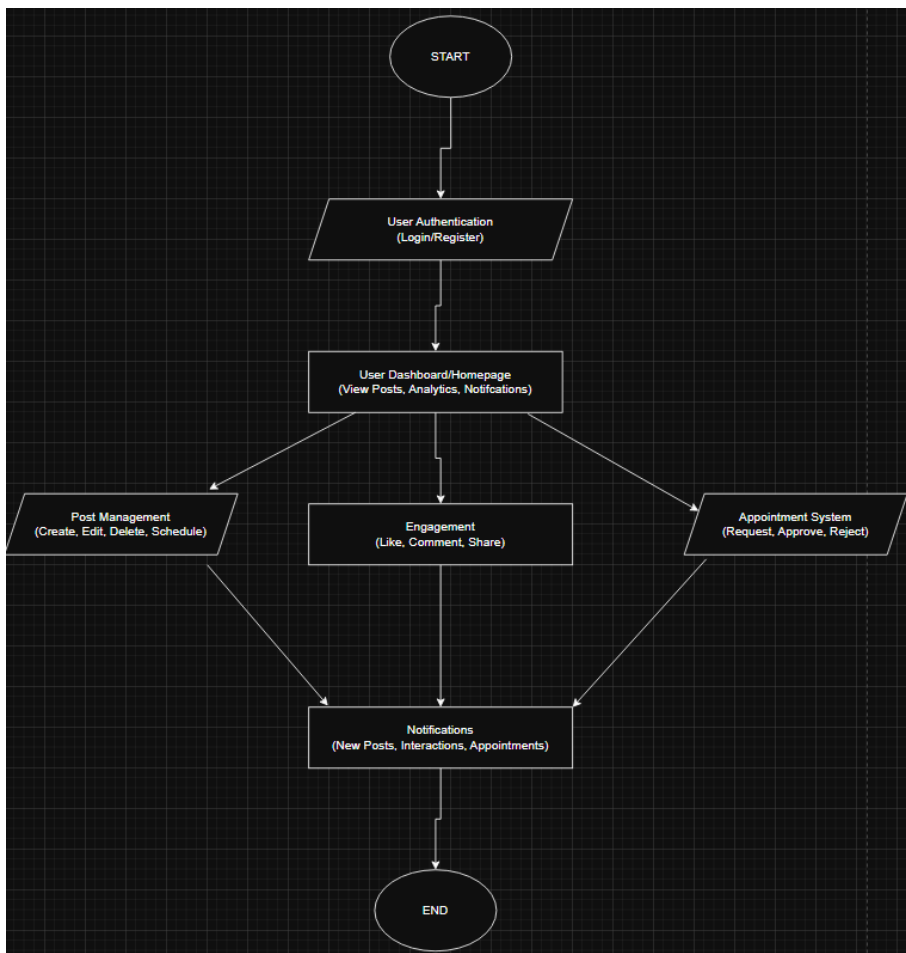# GC Pulse

Arabe, Cloyd Matthew
Arcega, Franchesca Lei M.

System Design Document

1. System Overview

The **GC Pulse** is a **web-based platform** designed to manage and streamline **student organization and council postings** as well as **Office of Student Welfare and Services (OSWS) appointments** at Gordon College. The system provides a **centralized hub** where students, faculty, and organization leaders can efficiently access announcements, events, and other relevant updates. This system is designed to **enhance communication, engagement, and administrative efficiency** within Gordon College, ensuring that all relevant postings and work-study processes are **accessible, organized, and secure**.
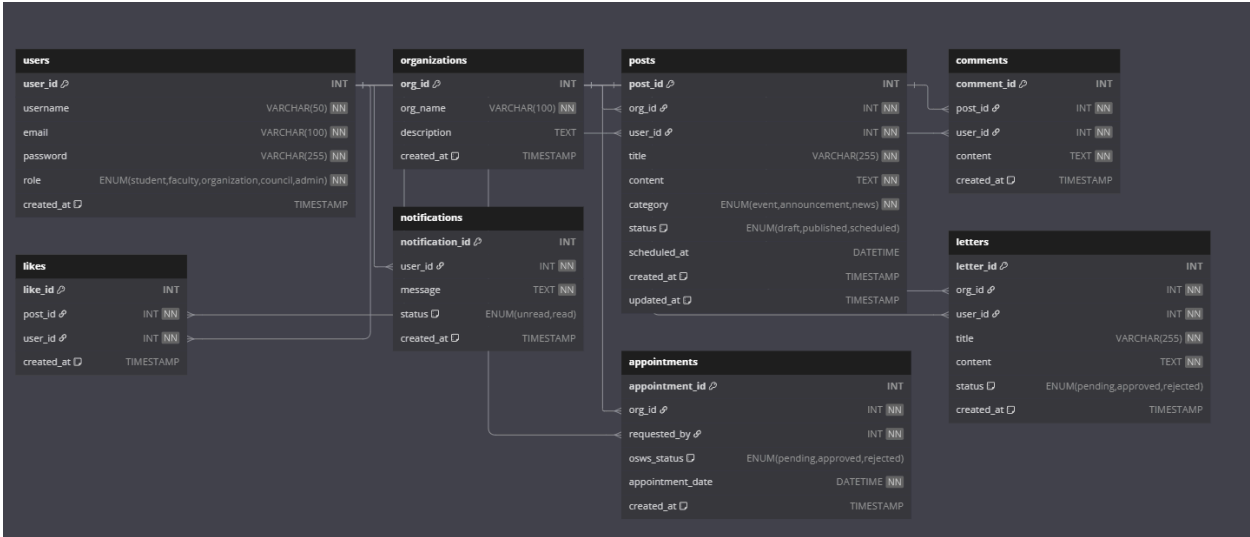
2. System Flowchart

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3. Database Design

3.1 Entity-Relationship Diagram (ERD)

3.2 Table Descriptions

Table Name	Description
Users	Stores user information
Organizations	Stores details about registered organizations members
Posts	Stores announcements, events, and news posts created by organizations members and OSWS

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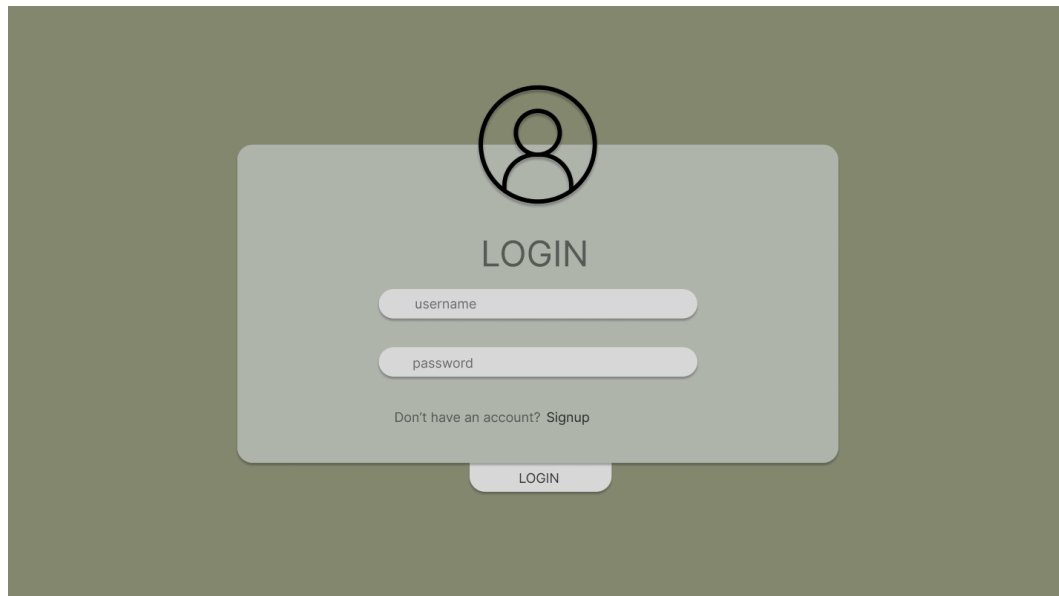|	
Post_comments	Stores comments made by users on posts
Post_likes	Stores likes from users on posts
Appointments	Stores appointment requests between Organization members and OSWS
Notifications	Stores notifications for new posts, comments, likes, and appointment updates
Categories	Stores categories for posts (events, announcements, news)
Post_schedules	Stores scheduled posts that will be published later
Letters	Stores official letters submitted by organizations to OSWS
Analytics	Stores data for tracking posts interaction
Sessions	Stores active user sessions for authentication and access control

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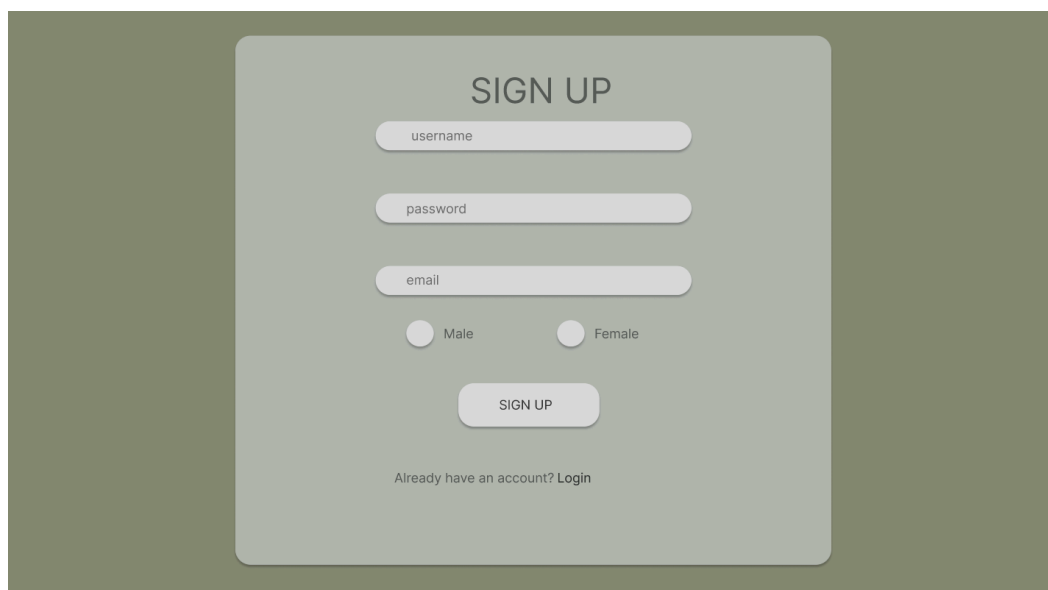Arcega, Franchesca Lei M.

4. Wireframe

https://www.figma.com/design/BW7YUzOzA2NsbkySkJoLLI/GC-Pulse?node-id=0-1&t=AI5m8X
XhVOrhcvkB-1

LOGIN

SIGN UP/REGISTER

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HOMEPAGE(STUDENT)
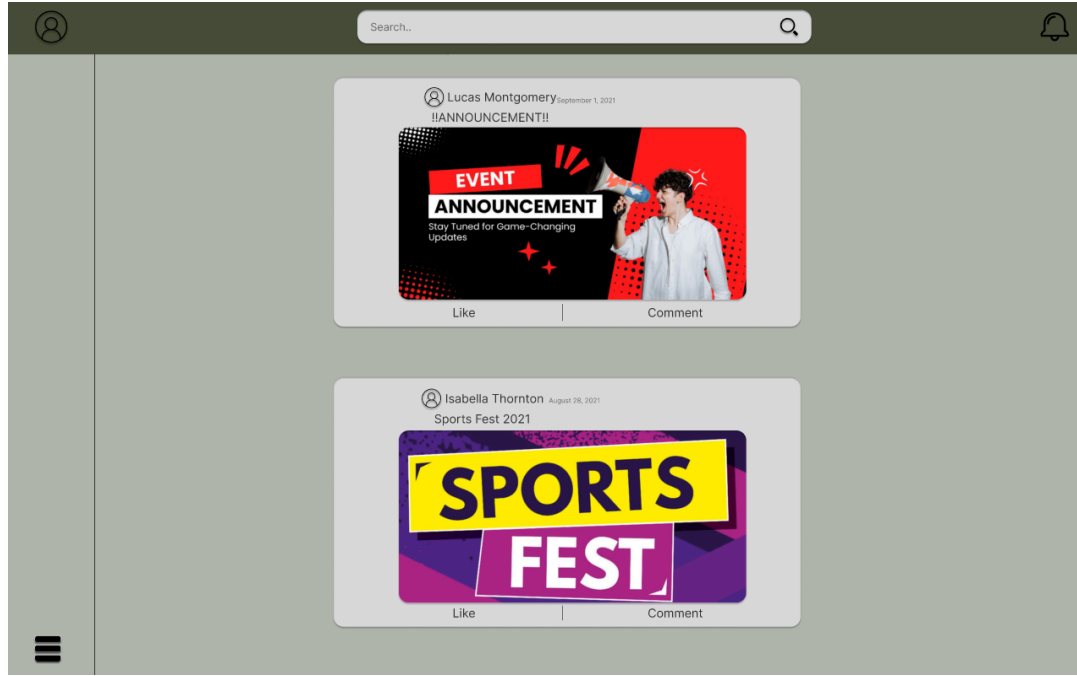
HOMEPAGE(ORG MEMBER/OSWS)

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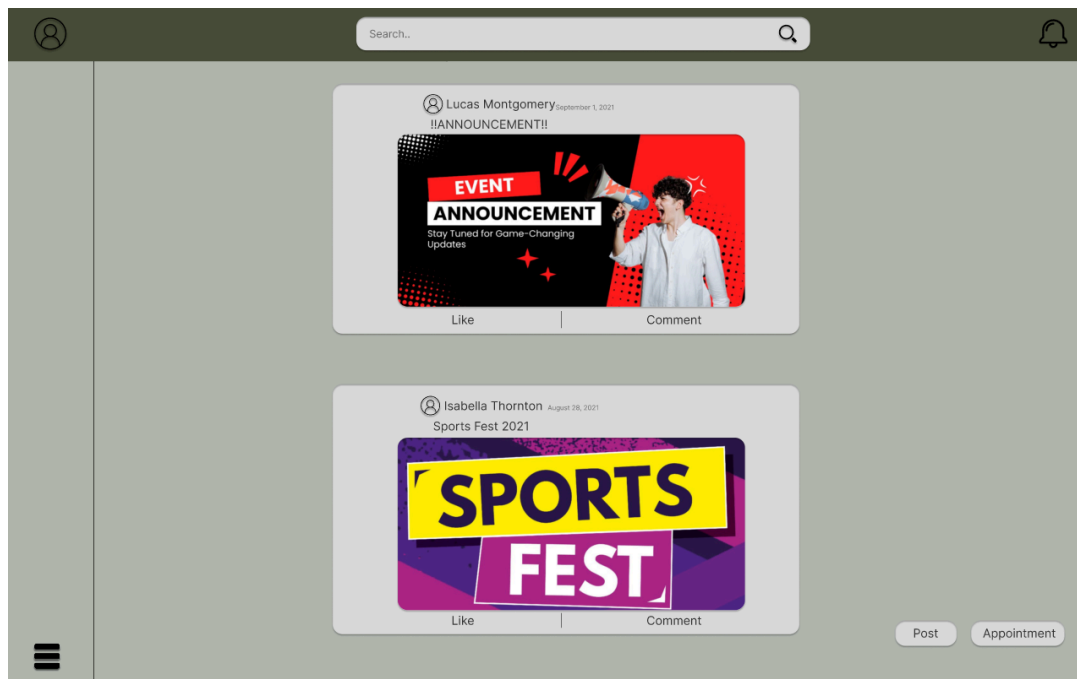## HOMEPAGE ORG (POST POP-UP WINDOW)

Create New Post
Create a New Announcement or Update

X

Title..

Description..

Category

Post

APPOINTMENT

Search..

Search appointment..

request

Monthly Council Meeting
9/26/21

Community Garden
9/22/21

Webinar: Coding
9/15/21

September 2021

SUN	MON	TUE	WED	THU	FRI	SAT
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2

Upcoming Appointments   view all

Monthly Council Meeting
Council Members

Community Garden
All Students

Webinar: Coding
All Students

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APPOINTMENT(APPOINTMENT REQUEST POP-UP WINDOW)

Create New Appointment   X

month   day   year

Appointment description..

submit

HOMEPAGE(COMMENT POP-UP WINDOW)

Lucas Montgomery   X
September 1, 201

!!ANNOUNCEMENT!!

Comment..

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ADMIN DASHBOARD(ROLES)

ADMIN	Roles	
Home		
Roles	STUDENT 1	Role
Request	STUDENT 2	Role
Analytic	STUDENT 3	Role
Logout		

ADMIN DASHBOARD(REQUEST)

ADMIN	Request	
Home	**Monthly Council Meeting** 9/26/21	**Approved**
Roles		
Request	**Community Garden** 9/22/21	**Approved**
Analytic		
	Webinar: Coding 9/15/21	**Approved**
Logout		

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ADMIN DASHBOARD(REQUEST APPROVAL POP-UP WINDOW)

Waiting for approval..   X
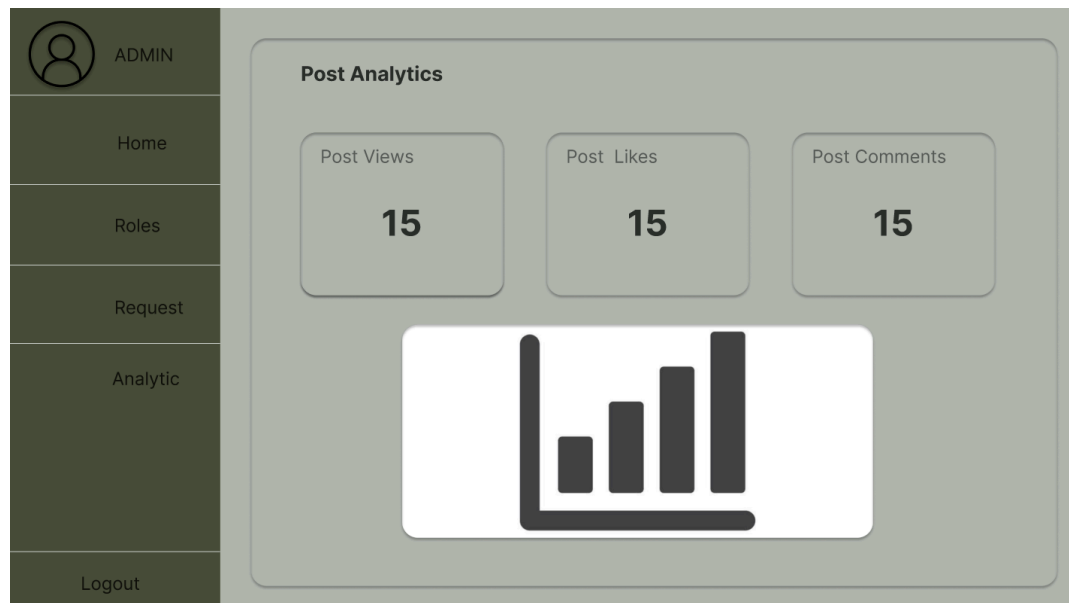
Title..

Description..

Reject   Approve

ADMIN DASHBOARD(POST ANALYTICS)

ADMIN

Home

Roles

Request

Analytic

Logout

Post Analytics

Post Views	Post Likes	Post Comments
15	15	15

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ADMIN DASHBOARD(POSTS)

ADMIN

Home

Roles

Request

Analytic

Logout

Posts

Lucas Montgomery September 1, 2021

!!ANNOUNCEMENT!!

Isabella Thornton August 28, 2021

Sports Fest 2021