

SW Engineering CSC648/848

Edumingle

Section 01, Team 01

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Milestone 2

Date

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1. Data Definition V2:

<u>Primary Data Name</u>	<u>Sub-Data</u>
GeneralUser	<ul style="list-style-type: none"> • UserID - a unique ID that will be associated with the User's account
RegisteredUser	<ul style="list-style-type: none"> • UserID- a unique ID that will be associated with the User's account • FirstName - First name of user • LastName - Last name of user • Email - Email address of user • Username - user account name. Used for login • Password - user account password. Used for login • CreatedDate - user account creation date
Student	<ul style="list-style-type: none"> • UserID- a unique ID that will be associated with the User's account • StudentID - ID that is associated with their student profile in SFSU • Major - Declared Major for Student • Minor - Declared Minor for Student • ExpectedGraduation - Expected Graduation date • BeginDate - when did the student begin going to SFSU
Staff	<ul style="list-style-type: none"> • UserID- a unique ID that will be associated with the User's account • StaffID - a unique ID that will be associated with their Staff profile in SFSU
Alumni	<ul style="list-style-type: none"> • UserID- a unique ID that will be associated with the User's account • AlumniID - a unique ID that would be their StudentID even after graduation • Major • Minor • GraduationDate
Post	<ul style="list-style-type: none"> • PostID - a unique ID that will be associated with the Post • AuthorID - representing the ID of the User who created the Post • CreatedDate -post creation date • EditDate - post edit date
Comment	<ul style="list-style-type: none"> • CommentID - a unique ID that will be associated with the Comment • AuthorID - representing the ID of the User who created the Comment • CreatedDate - comment creation date • PostID - the ID that the comment is associated to • EditDate - post edit date
Tag	<ul style="list-style-type: none"> • TagID - a unique ID that will be associated with the Tag

	<ul style="list-style-type: none"> • TagDescription - description of the tag
Collection	<ul style="list-style-type: none"> • CollectionID- a unique ID that will be associated with the collection • CollectionName- name the collection
TagsFromPost	<ul style="list-style-type: none"> • PostID - a specified PostID that will be associated to a Tag • TagID- a specified TagID that will be associated to a Post
CollectionOfPost	<ul style="list-style-type: none"> • PostID - a specified PostID that will be associated to a Collection • CollectionID- a specified Collection that will be associated to a Post
Video	<ul style="list-style-type: none"> • VideoID- a unique ID that will be associated with the Video • PostID- the specific Post that the Video is associated to • VideoContent - storing the content of the video in binary data
Picture	<ul style="list-style-type: none"> • PictureID- a unique ID that will be associated with the Picture • PostID- the specific Post that the Picture is associated to • PictureContent - storing the content of the picture in binary data

2. Functional Requirements V2:

a. Key:

- i. Must Have
- ii. Desired
- iii. Opportunistic

ID	Functional Requirement	Details
1	Users can register for an account	<ul style="list-style-type: none"> 1.1: User can sign up for an account 1.2: User can sign in with an existing account <ul style="list-style-type: none"> They should also be able to log out
2	Users should be able to make posts	<ul style="list-style-type: none"> 2.1: User should be able to type out a post 2.2: User should be able to add video/audio/photos 2.3: User should be able to add tags 2.4: User should choose if they want to add their post into a collection
3	Users should be able to edit their posts	<ul style="list-style-type: none"> 3.1: Change the text on their post 3.2: Change the tags on their post 3.3: Change what collection its in <ul style="list-style-type: none"> Or remove it from a collection 3.4: Change the photo/audio/video 3.5: Tag their friends or events in post 3.6: Delete the post 3.7: Delete comments on a post
4	Guests can only see trending/featured posts on the homepage until they sign in	<ul style="list-style-type: none"> 4.1: Show posts with the most interactions?
5	Users should be able to change their settings	<ul style="list-style-type: none"> 5.1: Change passwords 5.2: Change usernames 5.3: Change accessibility features

6	Users should be able to change their profiles	<ul style="list-style-type: none"> • 6.1: Change their display name • 6.2: Change their bio • 6.3: Change their profile picture • 6.4: Change their banner picture • 6.5: Change their pinned post
7	Users should be able to leave comments on posts	<ul style="list-style-type: none"> • 7.1: User should be able to type out a comment • 7.2: User should be able to add video/audio/photos to the comment • 7.3: User should be able to delete their comments • 7.4: User should be able to tag their friends on comment
8	Users should be able to make collections	<ul style="list-style-type: none"> • 8.1: Name their collections • 8.2: Add posts to their collections
9	Users should be able to change the look of a collections page	<ul style="list-style-type: none"> • 9.1: Change title of collection • 9.2: Change the intro to their collection • 9.3: Change banner of collection • 9.4: Change pinned post of collection
10	Users should be able to follow other users	<ul style="list-style-type: none"> • 10.1: Should also be able to unfollow users • 10.2: Should follow events or communities • 10.3: User should be able to block other users
11	Users should be able to follow collections	<ul style="list-style-type: none"> • 11.1: Should also be able to unfollow collections
12	Show users posts based on their interests? Filter posts based on interest/disinterest?	<ul style="list-style-type: none"> • 12.1: Allow them to follow tags <ul style="list-style-type: none"> ◦ Show them popular posts in those tags ◦ Show them recent posts from those tags • 12.2: Allow them to block tags • 12.3: Allow users to block specific words
13	Allow users to search for specific content	<ul style="list-style-type: none"> • 13.1: Search by tags • 13.2: Search by keywords • 13.3: Show recent results • 13.4: Show popular results
14	Users should be able to	<ul style="list-style-type: none"> • 14.1: User should be able to

	message other users	<ul style="list-style-type: none">accept message request• 14.2: User should be able to create chat room with many users• 14.3: Users should be able to join and leave many chat room
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3. UI Mockups and UX Flows

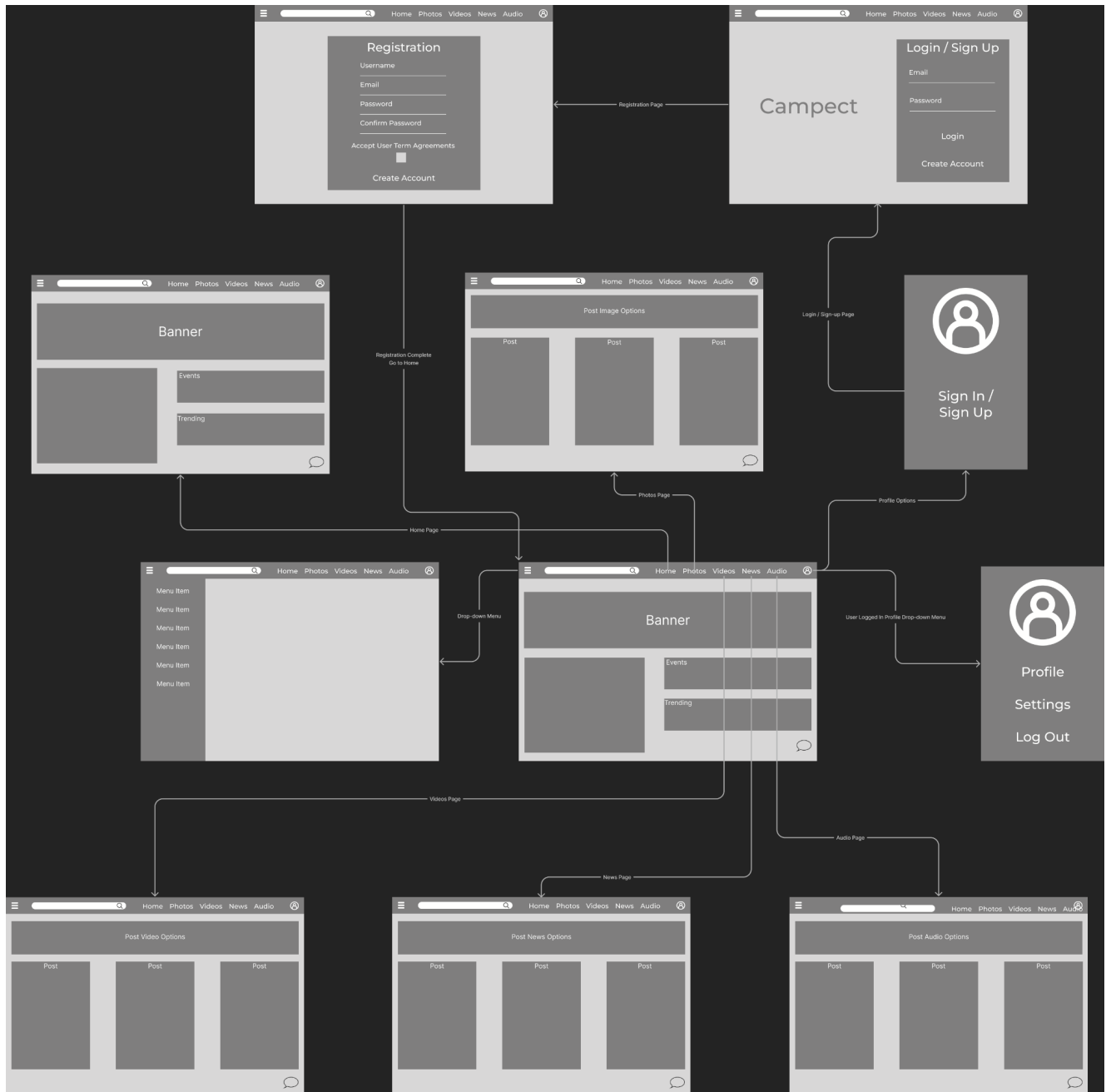
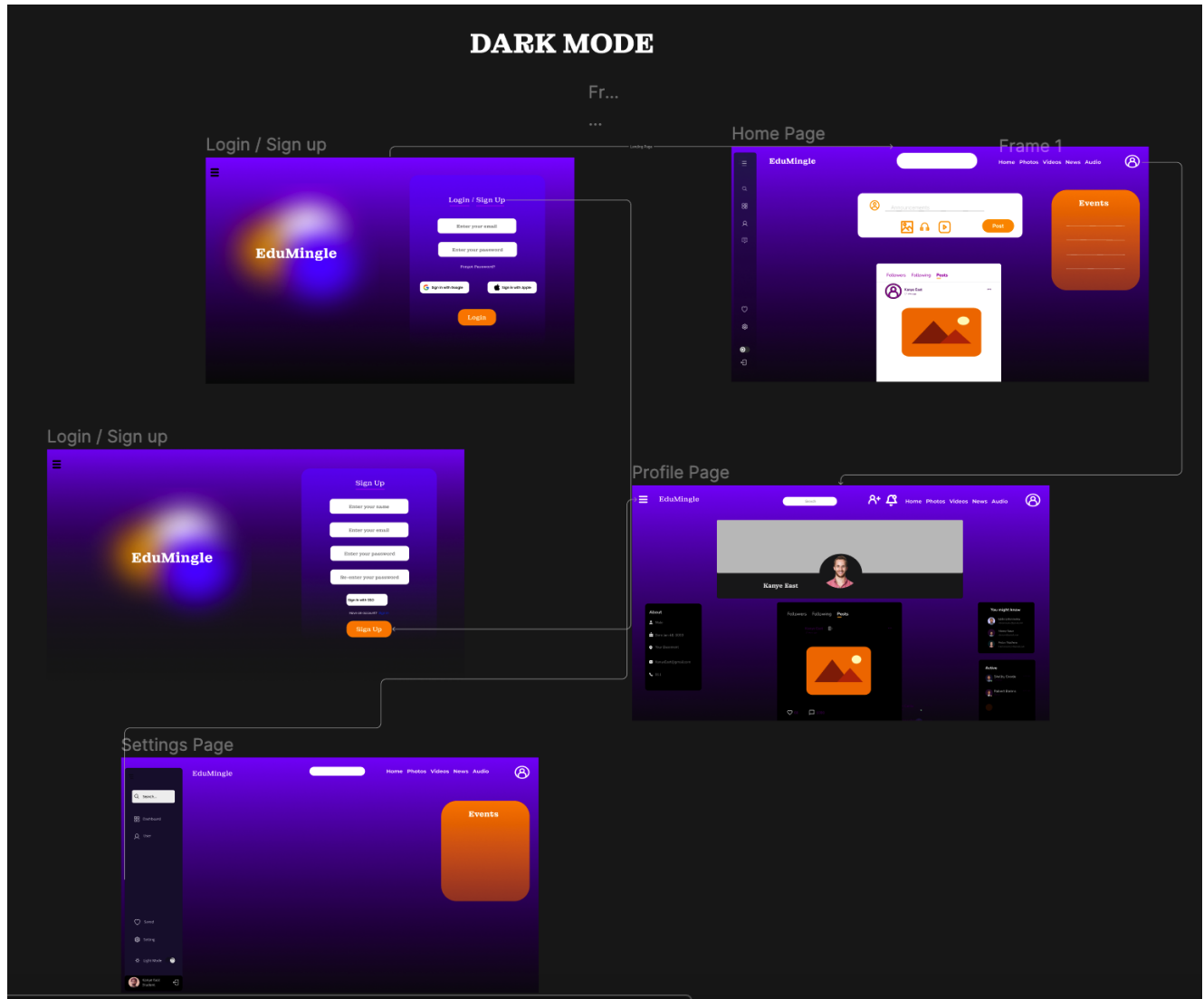


Diagram 1: Wire Diagram



Light MODE

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Login / Sign up

The screen features a dark blue header with navigation links: Home, Photos, Videos, News, Audio. The main area has a dark blue background with the 'EduMingle' logo. A white card in the center contains the 'Login / Sign Up' title, input fields for email and password, and buttons for 'Sign in with Google' and 'Sign in with Apple'. A 'Login' button is at the bottom.

Home Page

The screen has a dark blue header with the 'EduMingle' logo and a user profile icon. The main area features a white card with a search bar and a 'Post' button. Below it is a post by 'Kanye East' with a profile picture and a landscape image. A purple 'Events' button is on the right.

Login / Sign up

The screen features a dark blue header with navigation links: Home, Photos, Videos, News, Audio. The main area has a dark blue background with the 'EduMingle' logo. A white card in the center contains the 'Sign Up' title, input fields for email and password, and buttons for 'Sign in with Google' and 'Sign in with Apple'. A 'Sign Up' button is at the bottom.

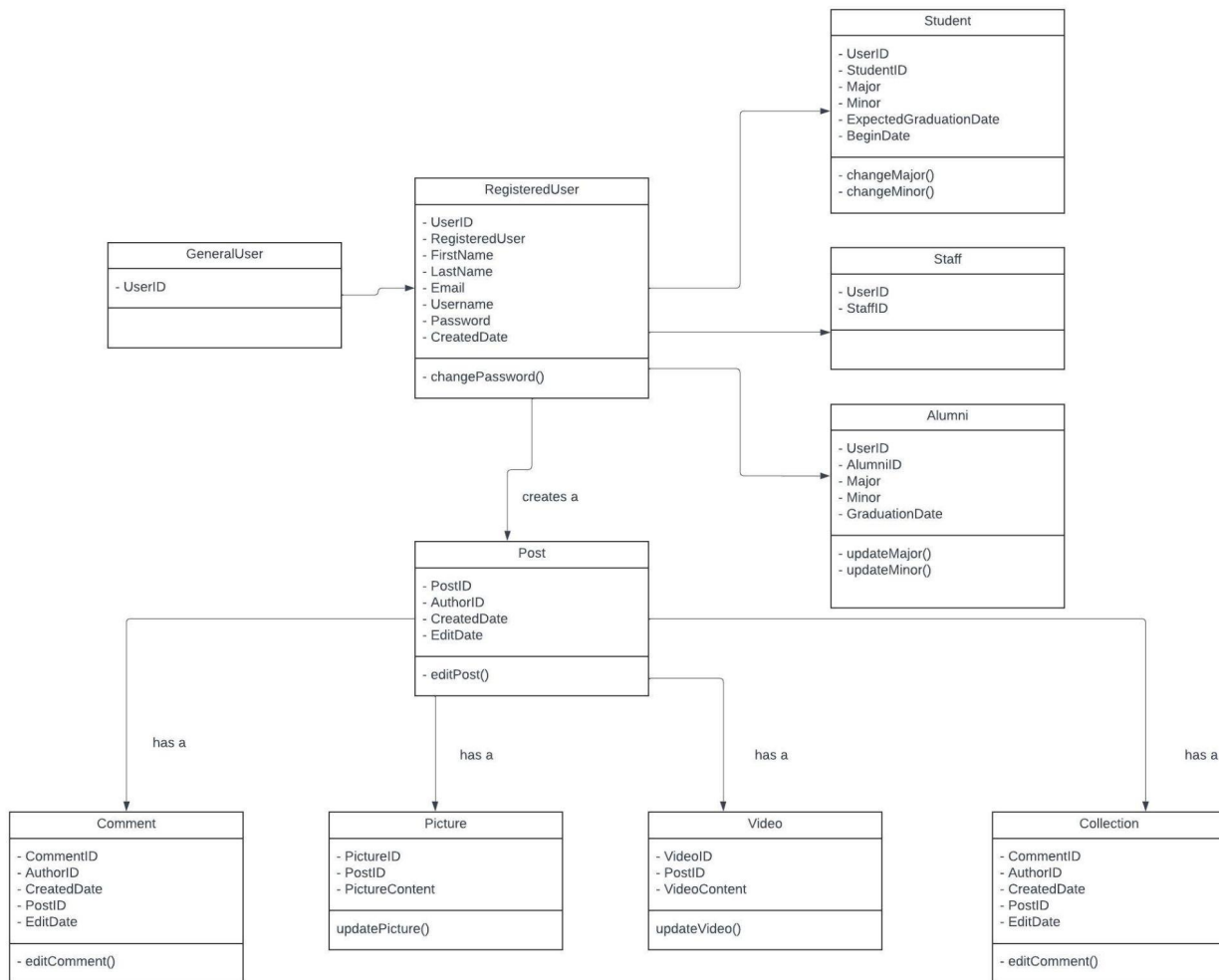
Profile Page

The screen has a dark blue header with the 'EduMingle' logo and navigation icons. The main area features a profile card for 'Kanye East' with a profile picture and a bio. Below it is a post by 'Kanye East' with a profile picture and a landscape image. The right side has a 'You might know' section with user avatars and a 'Follow' button.

ettings Page

The screen has a dark blue header with navigation icons. The main area features a dark blue sidebar with a search bar and a list of settings: Profile, Privacy, Notifications, Account, and Settings. The right side has a white card with an 'Events' button.

5. High Level UML Diagrams



6. Identify actual key risks for your project at this time:

- **Skills risks and mitigation plan:**

- **Risk:** Team members may lack the necessary skills or expertise to perform their assigned tasks effectively

Mitigation plan:

- Schedule study meetings as early as possible to ensure members can catch up to speed with the team and the progress of the projects.

- **Schedule risks:**

- **Risk:** workload might be unbalanced between team members causing some team members to take on too much work while others contribute less

Mitigation plan:

- Use management software or tools to track and allocate tasks evenly(notion for our team)
- Actively motivate team members on open communication within the group to make sure everyone understands their responsibilities.

- **Teamwork risks:**

- **Risk:** ineffective communications often lead to misunderstandings, delays, and conflicts.

Mitigation plan:

- encourage open and honest communication,
- use of collaboration tools (notion) to facilitate communication

- **Risk:** conflicts in different ideas or opinions can result in teamwork disruption, decrease in productivity, and overall drop of morale

Mitigation plan:

- Encourage constructive feedback and be open for discussion
- Identify areas of conflict or disagreement and establish common ground for find resolutions

- **Legal/Content:**

- **Risk:**The use of copyrighted contents or materials without proper permission or license may lead to legal action

Mitigation plan: properly obtain and credit and cite the sources, encourage using original content as much as possible.

7. Project management

Initially we had two front-end and one back-end developers in our team. The two front-end were in charge of developing the UI and UX flow where they used figma to design and work on the prototype of the project. All while the back-end had the responsibility to set up the database and ensured that the back-end server was working properly with the front-end server.

We held weekly meetings on Friday to go over the tasks that each member was working on and go over what to expect for the milestone and we also used in-person meetings on Mondays to discuss more in details about the design and overall direction of the project. Although there were and are still discrepancies between team members and their assigned tasks as we tried to incorporate Notion into our work process, every member was doing quite well.