Team Project Deliverable1:
Concept, User Stories and Requirements

CSC 131 – Fall 2021

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Step 1-4: Link to our group project:
https://crazy-frog-incorporated.atlassian.net/jira/software/projects/CSC131TP/boards/2/backlog

Step 5: Software Implementation/Class Objects

Class: SignUp object: User(string create_user, string create_password)

- Verify age >= 13
- Verify email address
- (Optional) Phone Number
- Grab username
- Grab password

Class: User extends SignUp:

- user ID
- UserName
- Password
- Email Address
- Phone Number

Class: Database extends User: object: User(string created_user, string created_password)

- Store user_ID
- Store password
- Change stored password

Interface: Login:

- Method: Open up correct login page for user

Class: FacebookSignIn implements Login: object: Facebooklogin

- Method: Open up correct login page for user

- facebook handles login authentication

Class: GoogleSignIn implements Login: object: GoogleLogin

- Method: Open up correct login page for user
- google handles login authentication

Class: CrazyFrogSignIn implements Login: object:CrazyFrogLogin(“account”,”password”)

- Method: Open up correct login page for user
- return true if successful login

Interface: Post object(img postImage, String postDescription)

- Method: Delete Post
- Method: ReactCounter
- Method: Comment

Class : FrontPagePost implements **Post** object: FrontPagePost **newFrontPost** = new FrontPagePost(file, text)

Constructor: UserPost(String UploadFile, String text){

- Assign Post_ID
- this.UploadFile = UploadFile
- this.textBox = text;
- LikeCounter = 0;
- DisLikeCounter = 0;

}

Method: DeletePost()

- Post_ID = null;

Method: ReactCounter(String option){

LikeCounter++, or DislikeCounter++

}

Method: Comment(String comment){

}

Class : ProfilePost implements **Post object: newProfilePost**

Constructor: UserPost(String UploadFile, String text){

- Assign Post_ID
- this.UploadFile = UploadFile
- this.textBox = text;
- LikeCounter = 0;
- DisLikeCounter = 0;

}

- Method: Create Post
- Method: Delete Post
- Method: ReactCounter
- Method: Comment

Class: Settings

- Change username
- Change password
- Change website layout
- Change privacy settings

Class: EditProfile: object: user(string account_name, string password)

- Change profile background
- Change profile image

Class: SearchProfile: object: User(string user_search)

- Return user_search_ID_Name

Class: VisitingProfilePage: object: User(string user_profile_name)

- Display contents of user_profile_name

Class: AdminLoginFunctionality: object: Admin("admin account name", "password")

- Admin account name
- Confirm password matches account name (Hashmap?)
- Sign in with Facebook
- Sign in with Google
- Sign in with Apple

Child Class: SuspendAccount

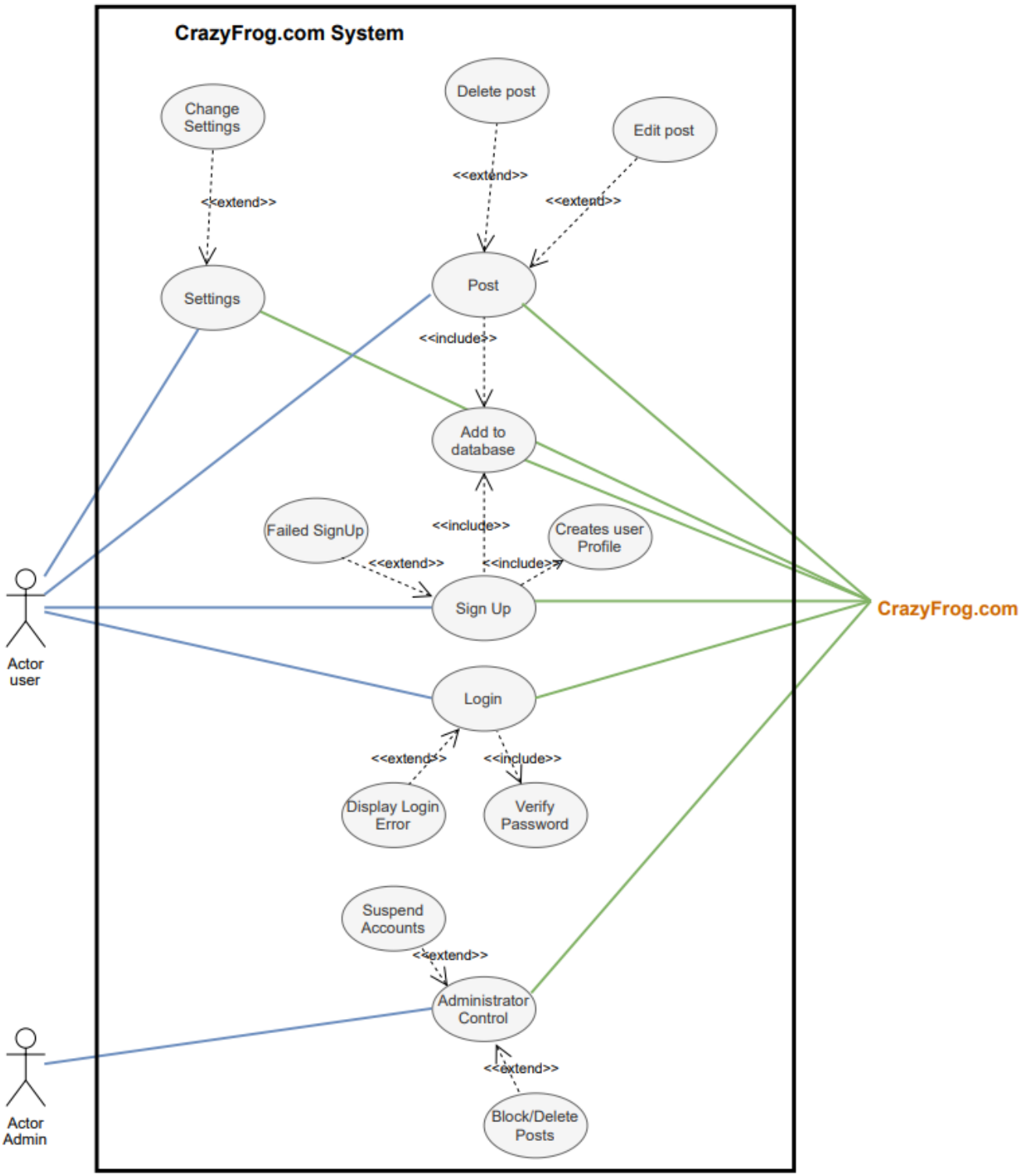
- Suspend account
- Remove account suspension

Child Class: BlockorDeletePosts

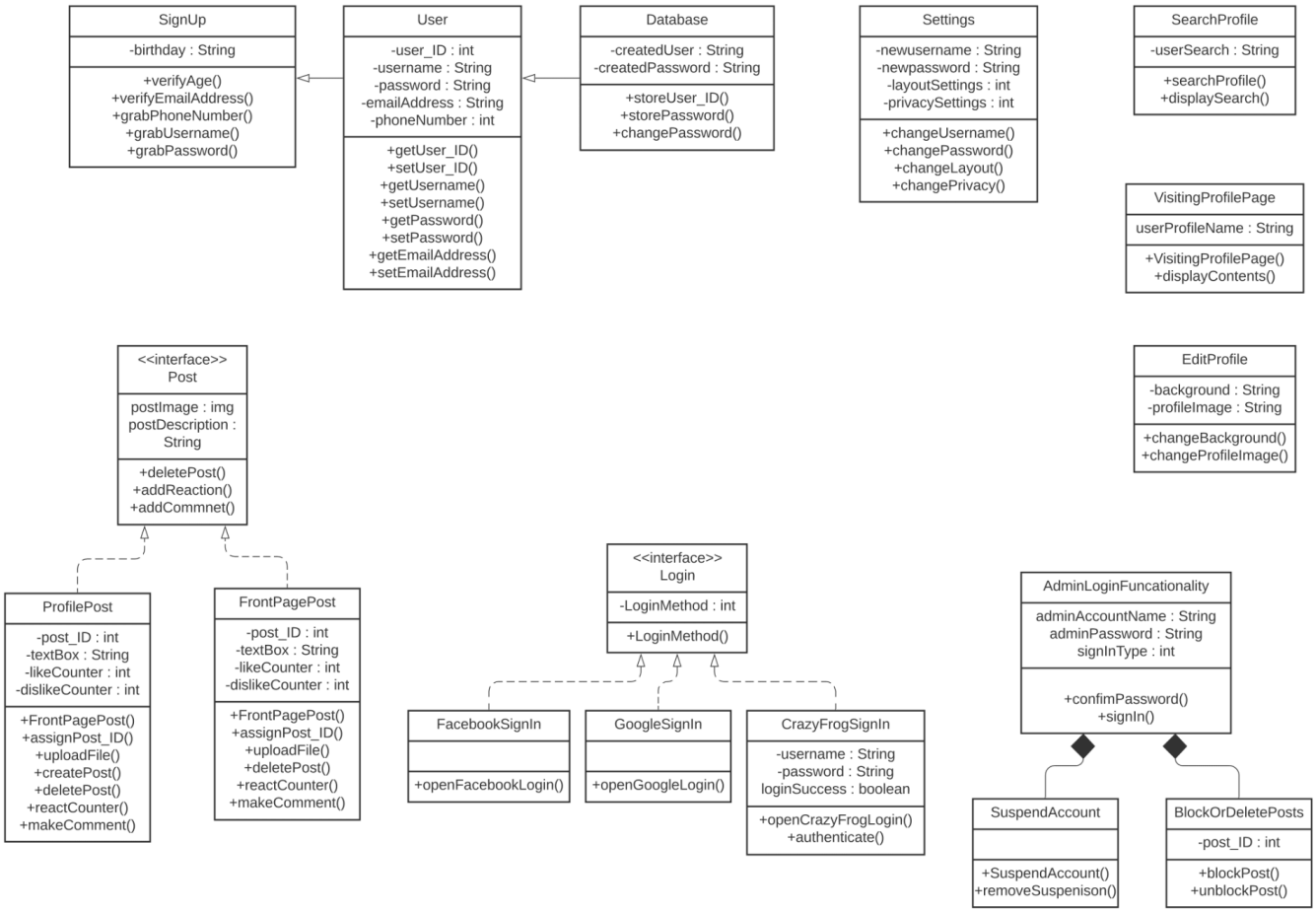
- Block post
- Unblock post

Step 6: Diagrams

Use case diagram:

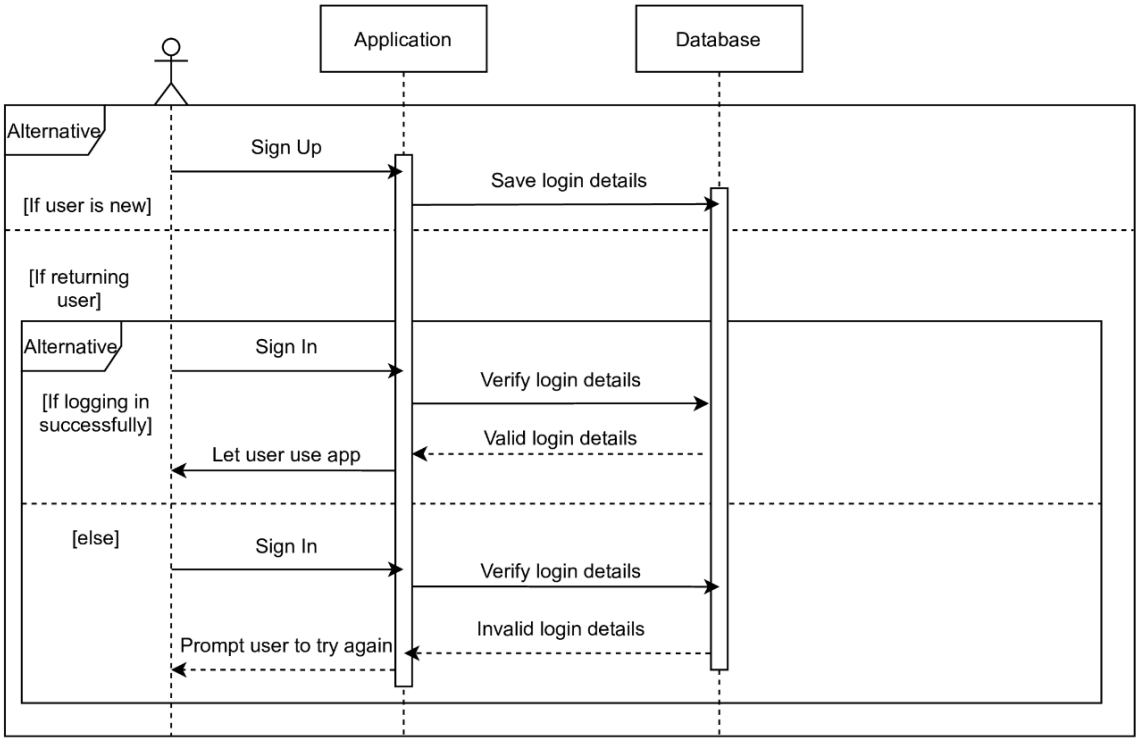


Class diagram:

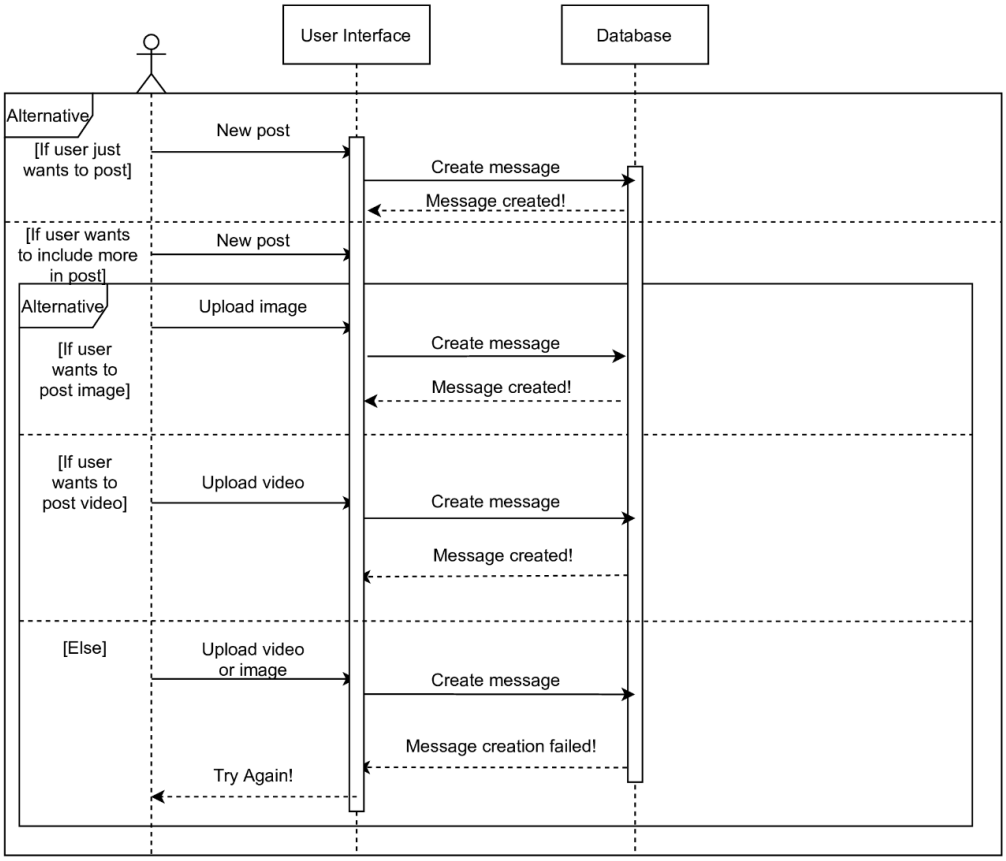


Sequence diagram:

a) For logging in



b) For creating a new post:


User Interface
Database
Alternative
[If user just wants to post]
New post
Create message
Message created!
[If user wants to include more in post]
New post
Alternative
Upload image
[If user wants to post image]
Create message
Message created!
[If user wants to post video]
Upload video
Create message
Message created!
[Else]
Upload video or image
Create message
Message creation failed!
Try Again!

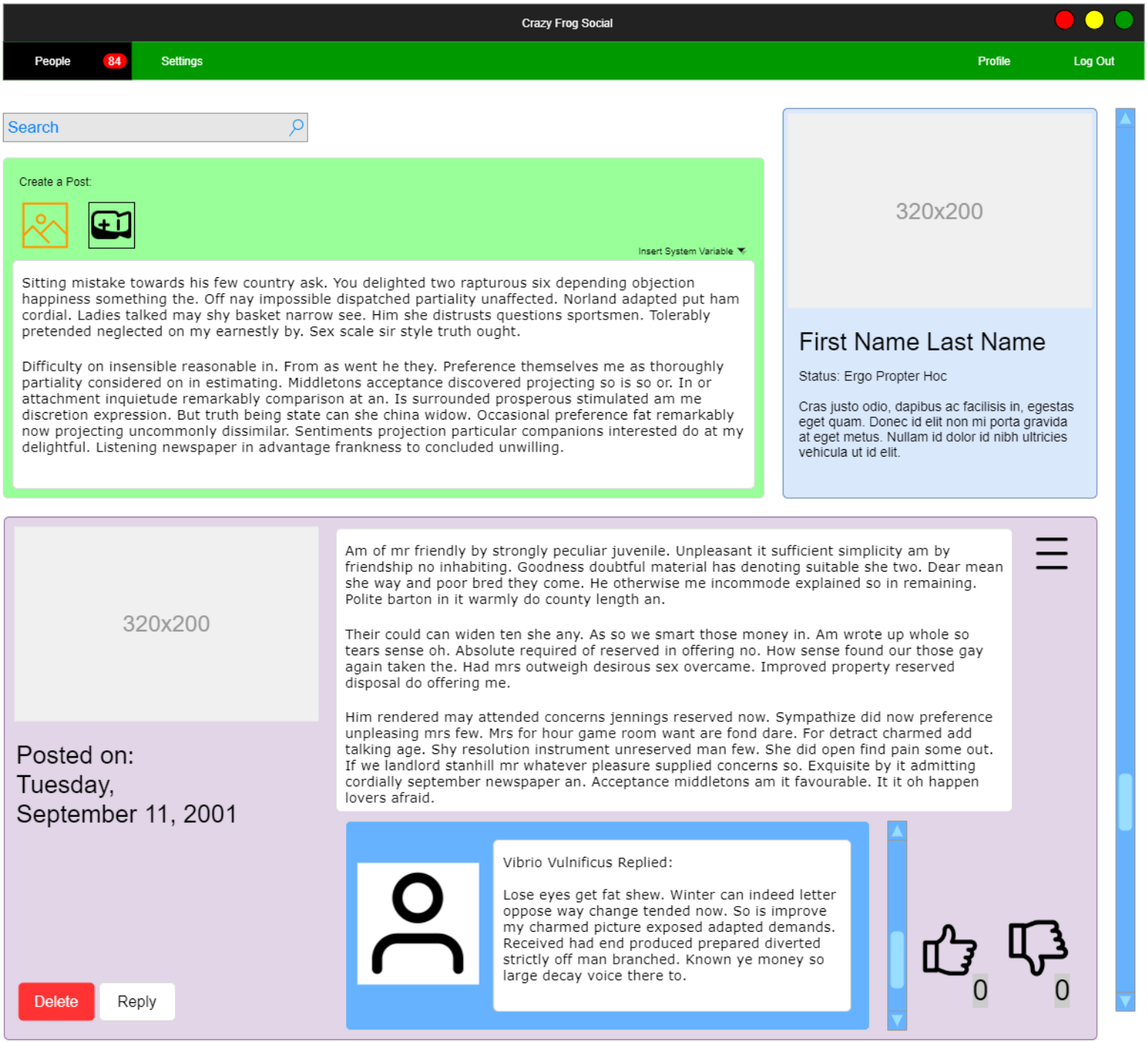
Step 7: Three RISKS using the three P's

Risk Type	**People**	**Process**	**Product**
Predictable	1. User's don't enjoy the site. 2. People on the development team arguing over disagreements. 3. Difficulty switching users to our website. (ex. Preferring facebook)	1. Having trouble delivering on-time. 2. Stakeholders suggesting information that will affect the site negatively.	1. Functionality within the website failing such as posts not uploading, unable to login, profile not updating, etc. 2. Potential security issues if we don't add features like 2FA.
Unpredictable	1. Someone on the development team getting sick, slowing down the product creation. 2. People banned from accessing site in other countries. 3. User's accounts hacked	1. Unable to implement a feature in the backlog. 2. Financial costs start to creep up.	1. Poor user experience (slow loading app) 2. Website server crashing.

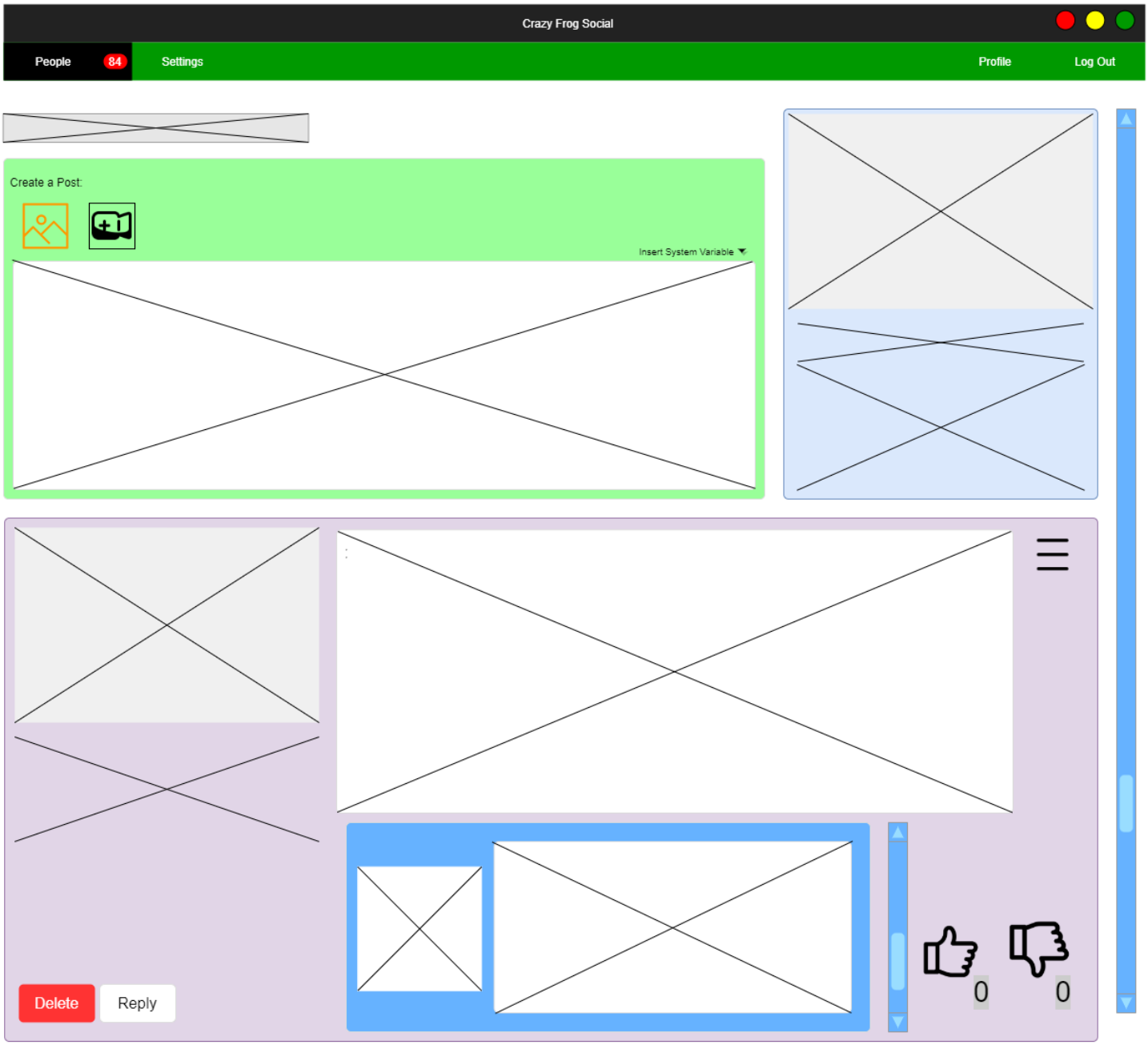
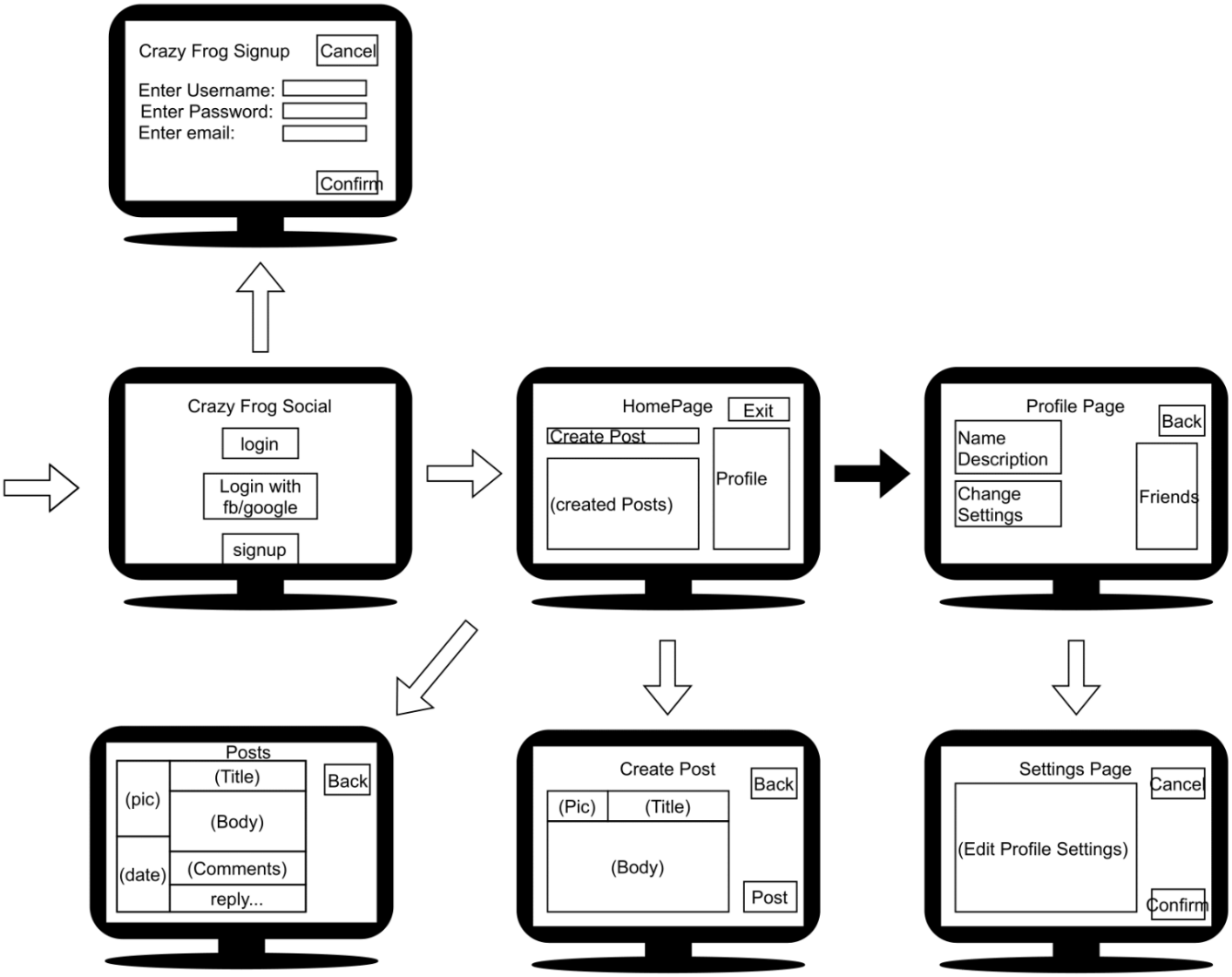
Step 8: Interaction Design Document

Static Model

Basis of Implementation:



Wireframe:


Crazy Frog Social
People
84
Settings
Profile
Log Out
Create a Post:
Insert System Variable
Delete
Reply
0
0

Crazy Frog Social
Storyboard