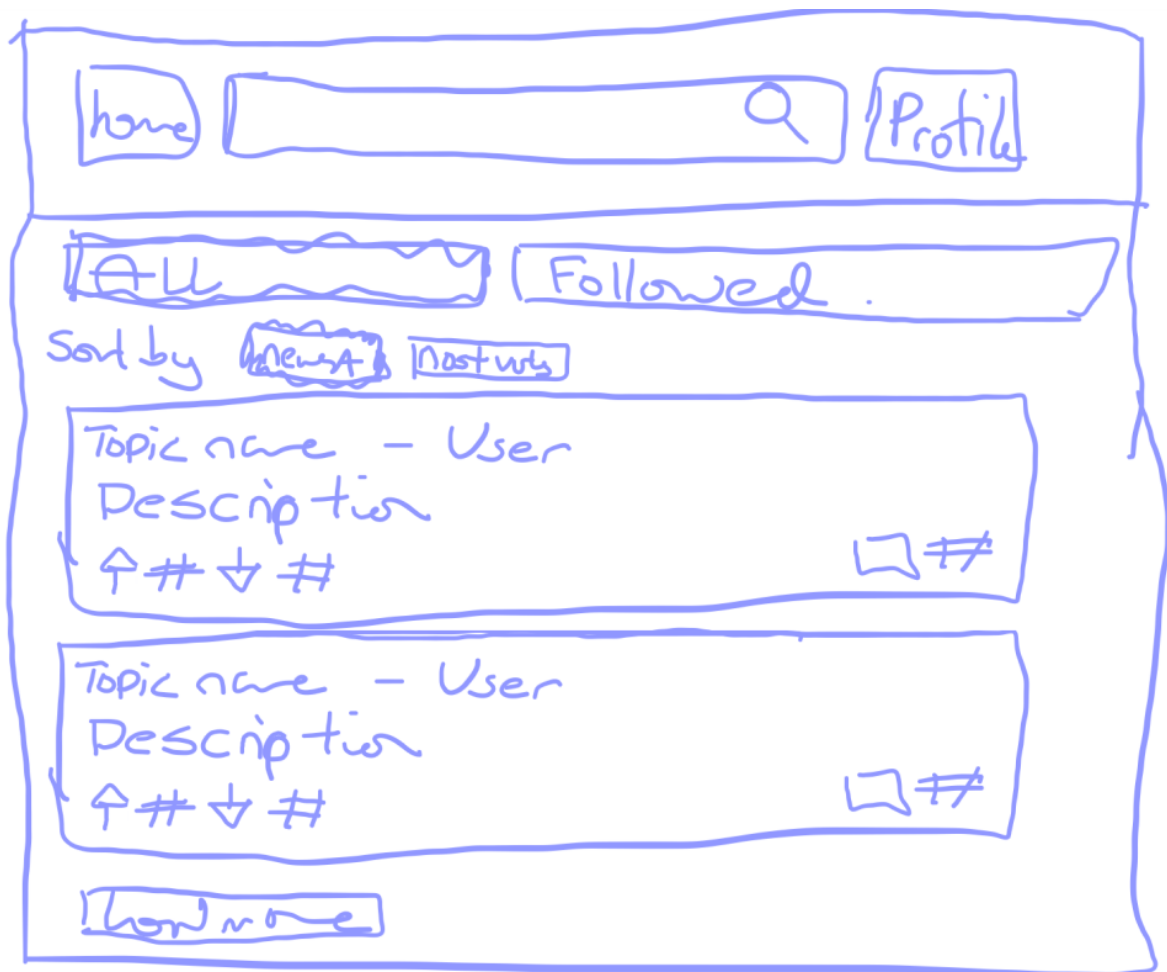
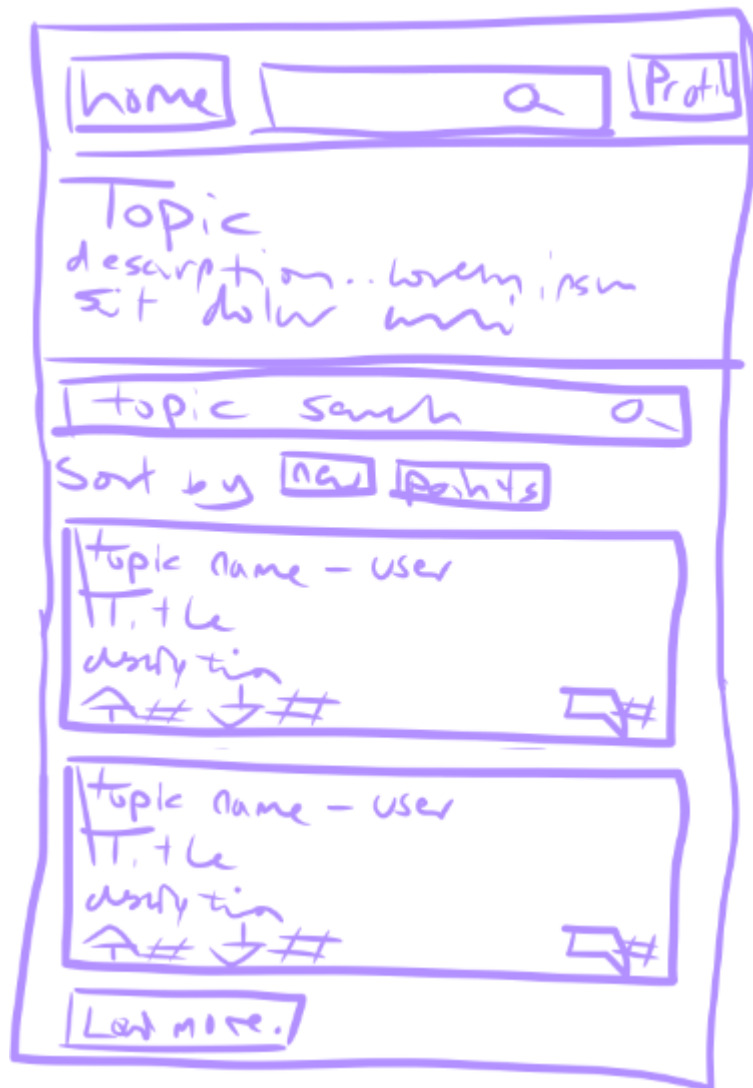


## Section B - 0 words

### Interface

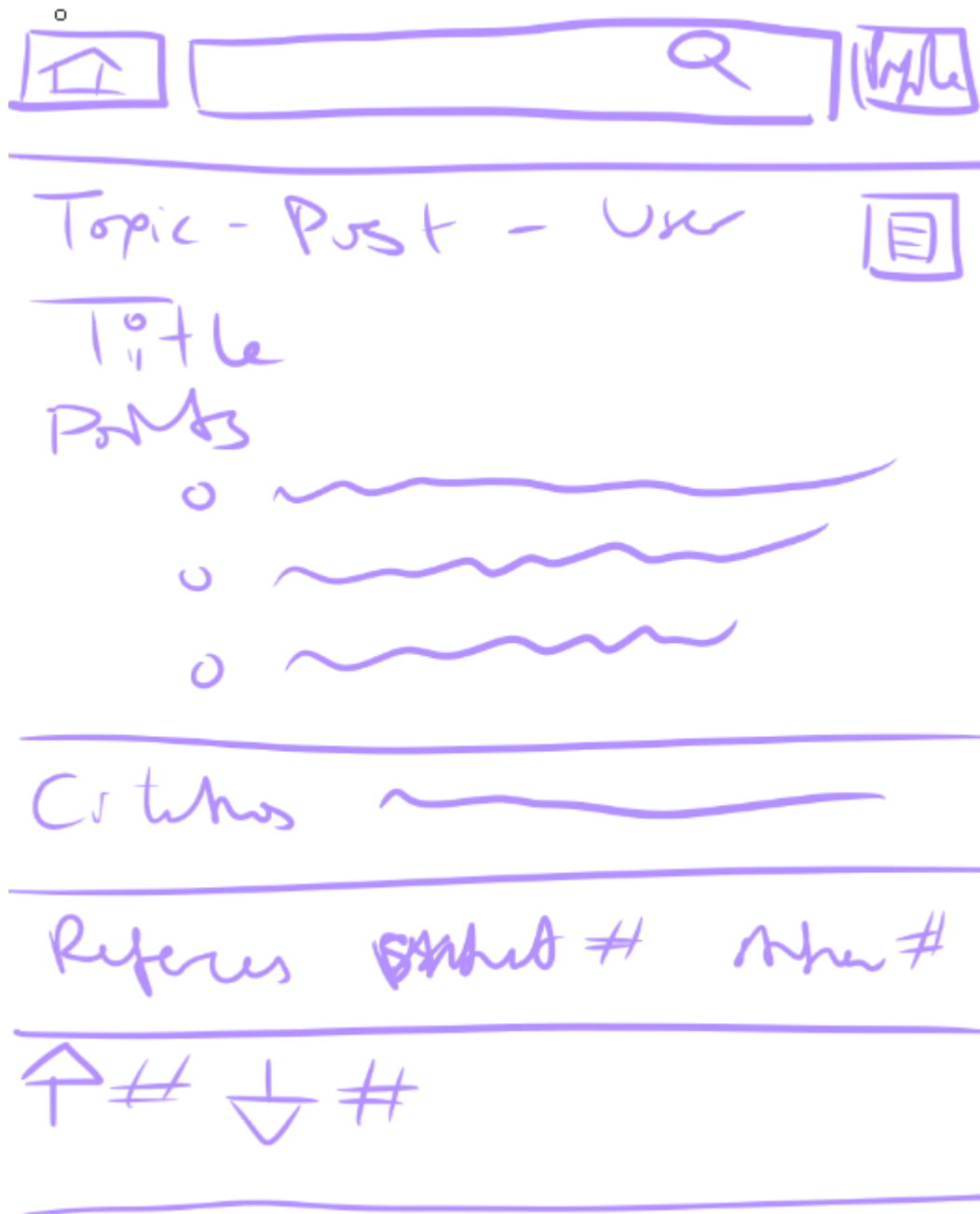


Home page when user is logged in.

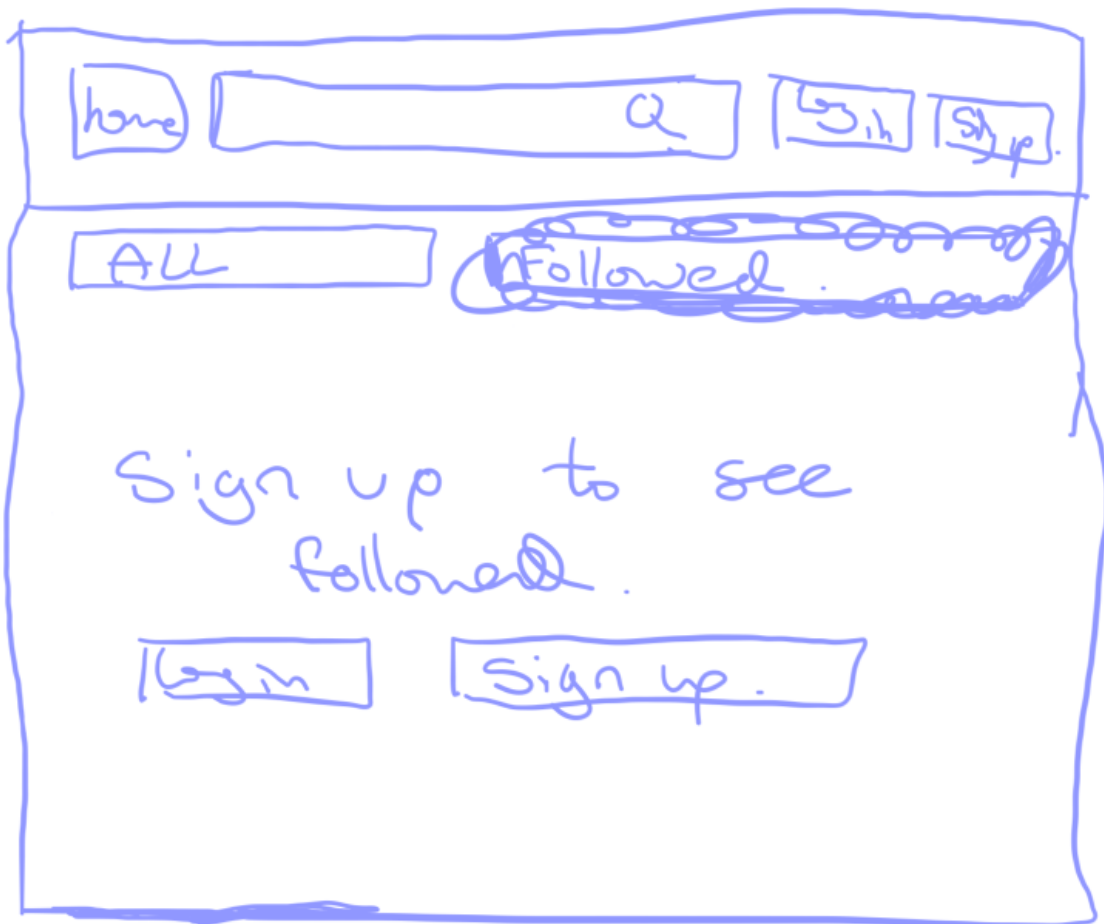


Topic page when user is logged in.





**Point page when user is logged in.**



Home page when on the following tab and user is not logged in.



---

## CREATE USER

Username

Email

Password

Confirm password

Sign up

---

Create account page



---

## CREATE USER

☒ Username already taken

Username





Email

Password

Confirm password

---

Create account page when there is an error in one of the fields



# Log in.

Username or email

Username or email.

Password

Password

☐ remember me

Sign in

Log in page





◦ Log in ◦

☒ Account not found.

User or email

User or email

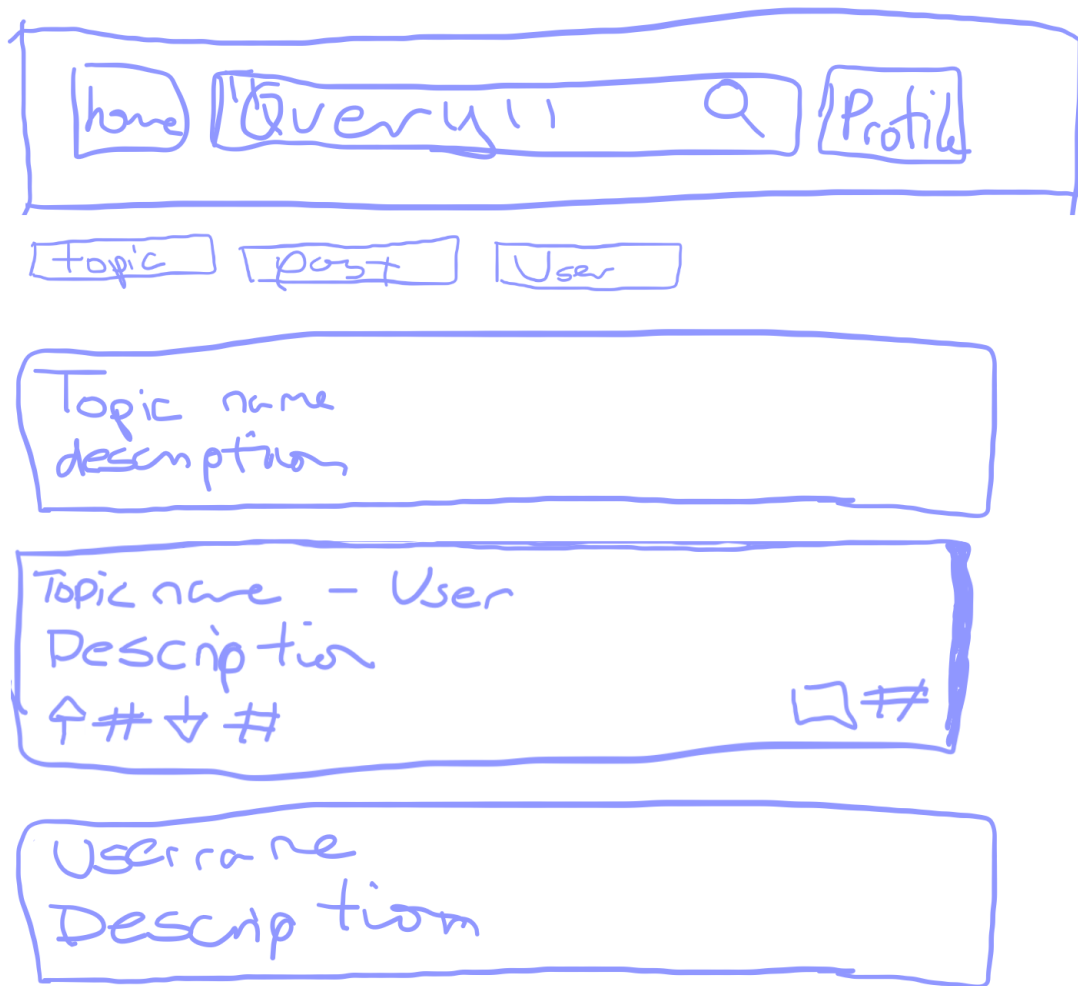
Password

Password

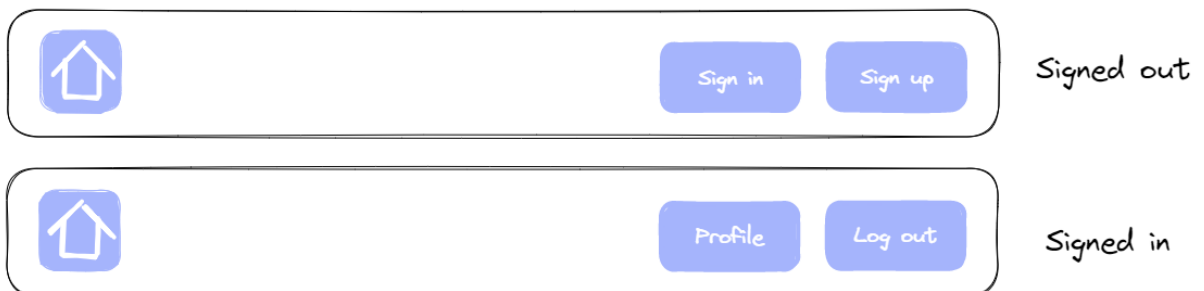
☐ remember me

Sign in

Log in page when one of the fields has an error in them.

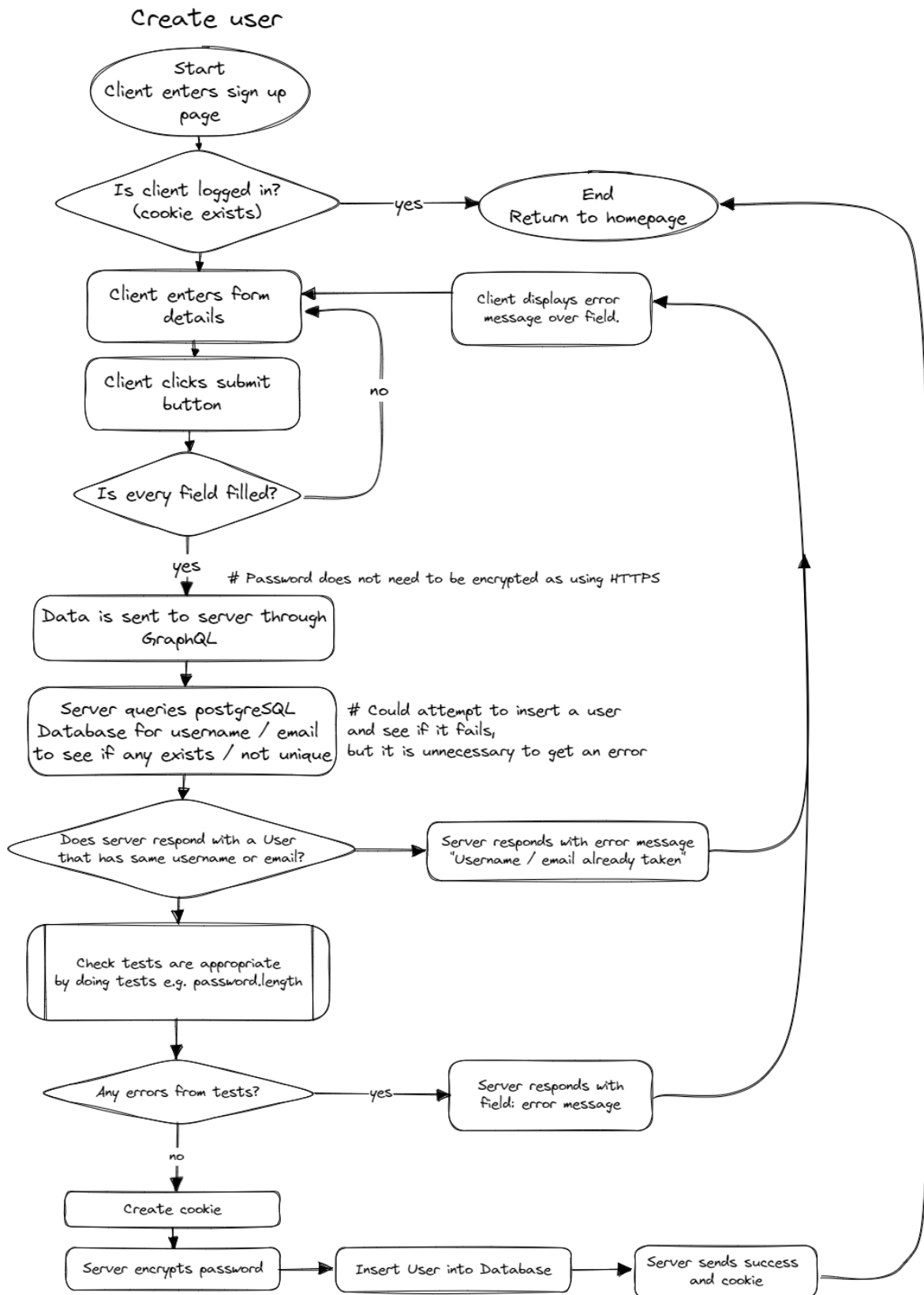


Search page (returns all unless specific is chosen)

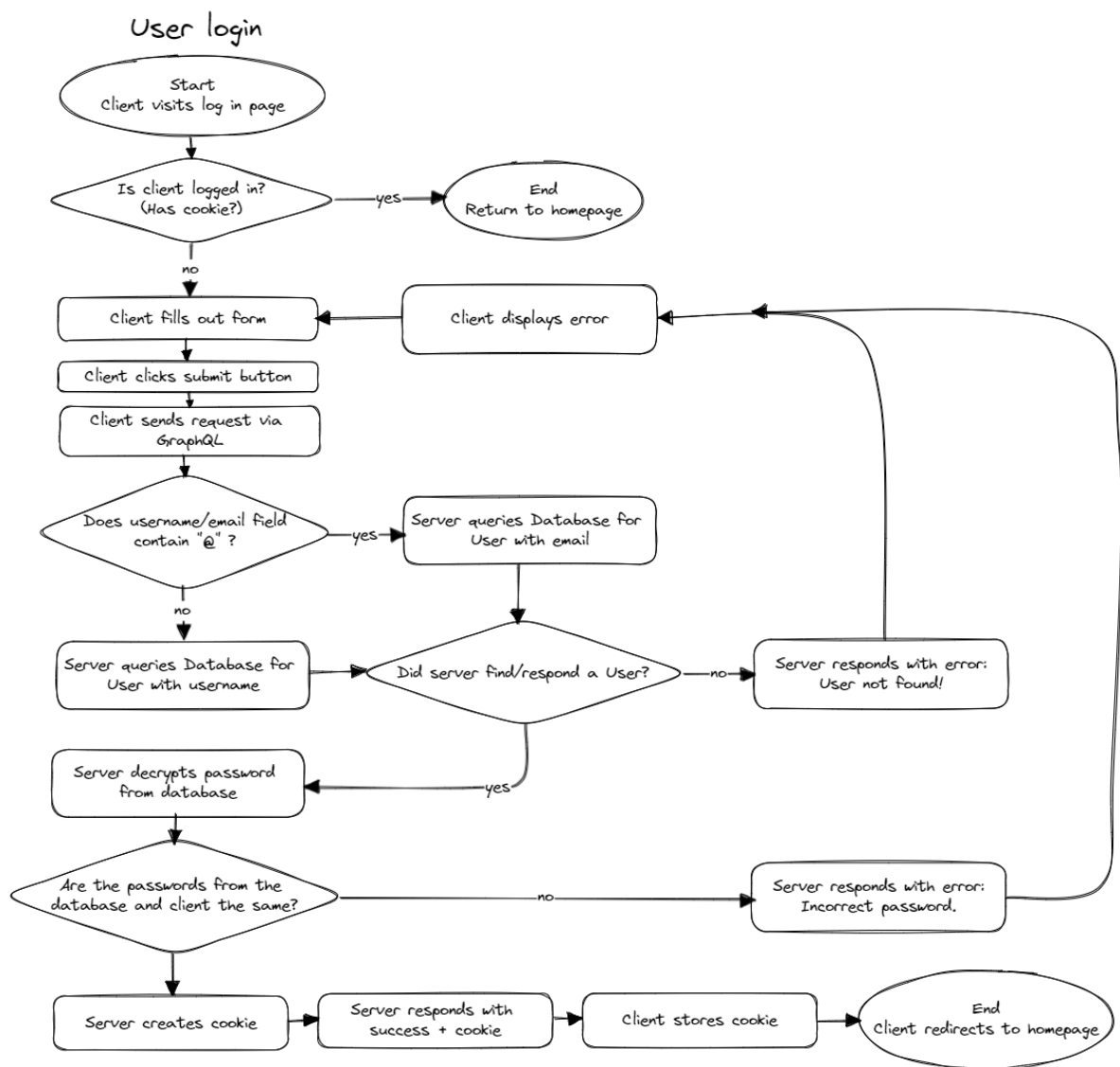


Updated navbar (removed search)

## Flow charts:

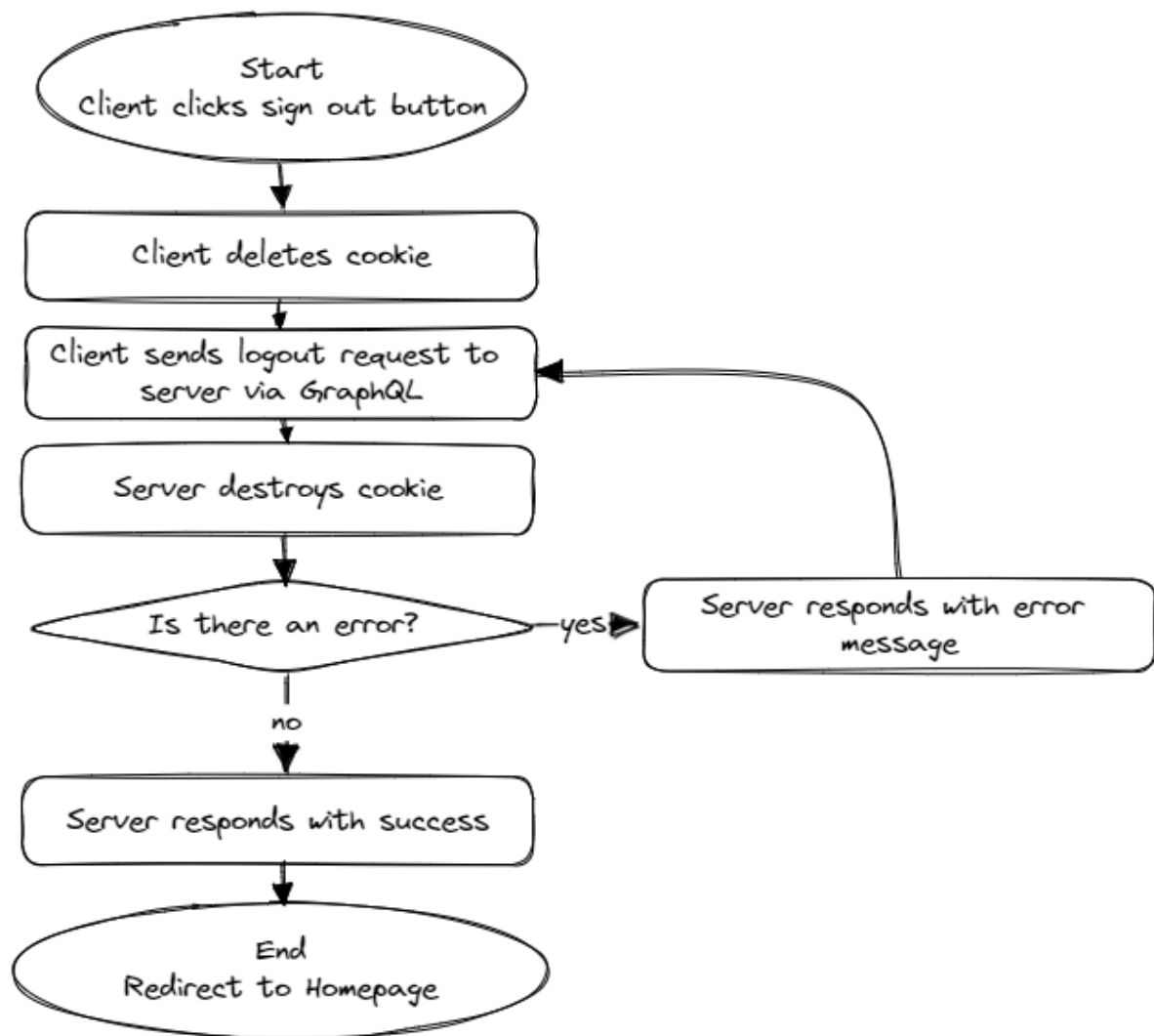


## Creating a user (Signing up)



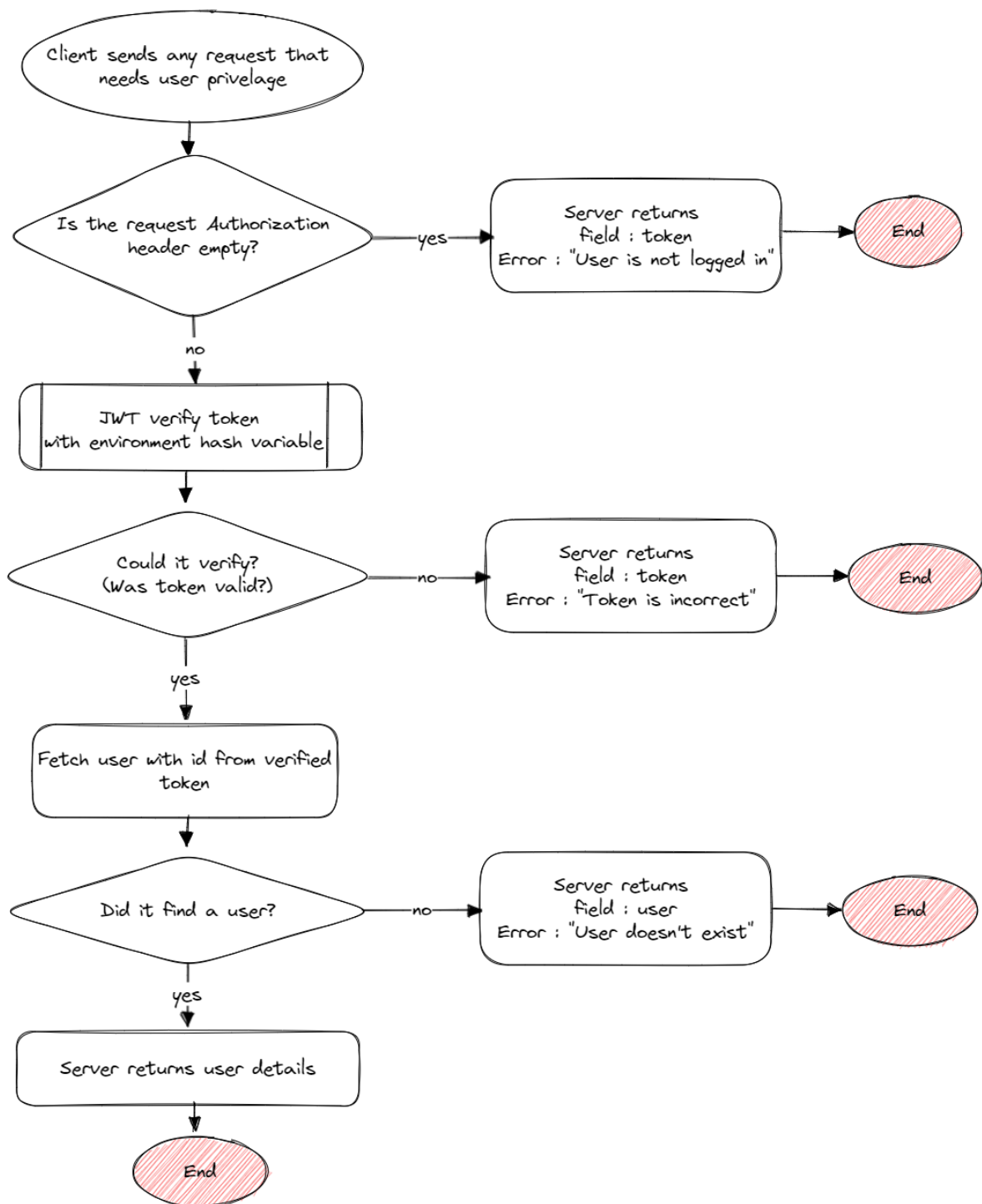
## User login

## User log out

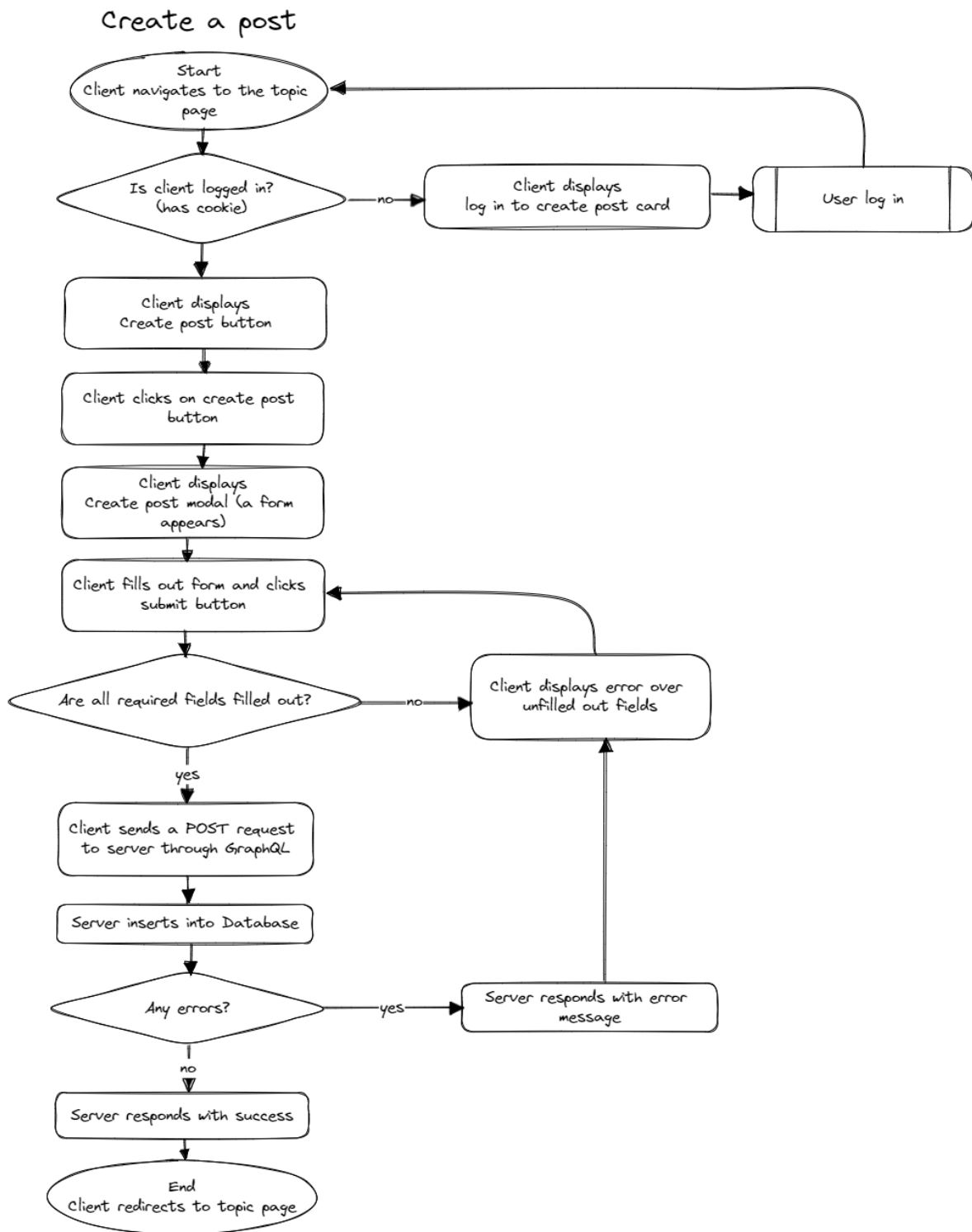


User log out

## Autologin / verify user

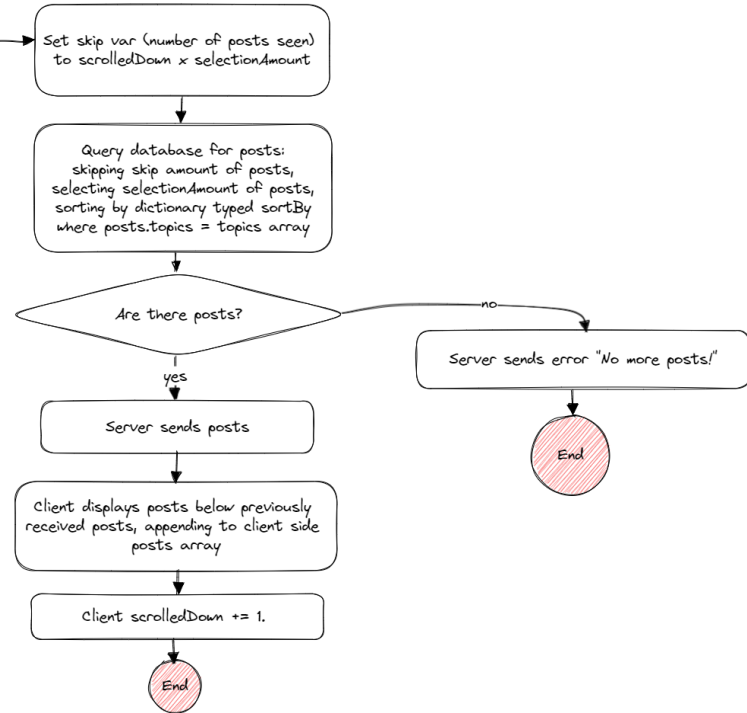
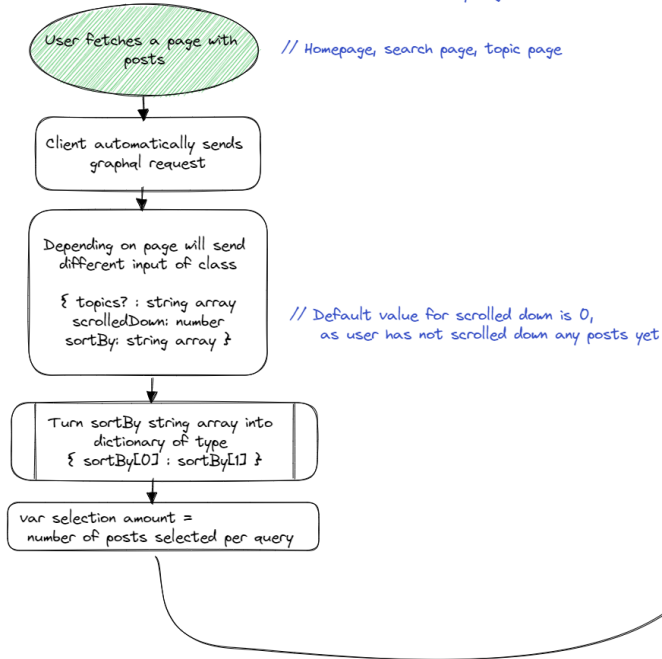


## Automatic log in / verify user function

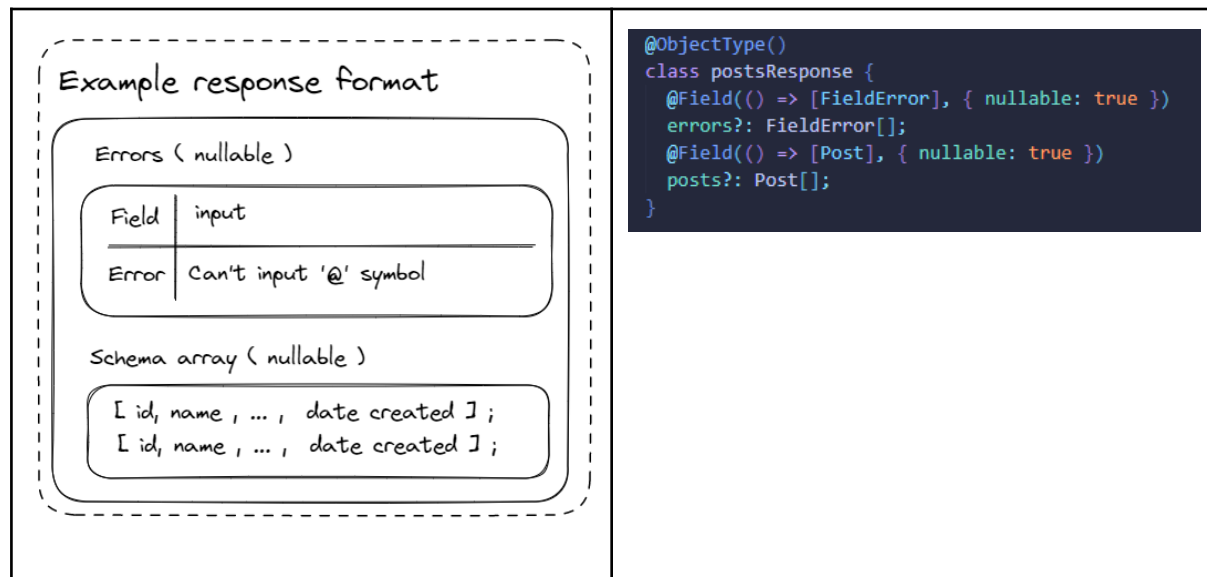


Create a post

Paginated posts (/get) // Instead of having pages of posts, data loads when you get to bottom of feed.



## Paginated fetching posts

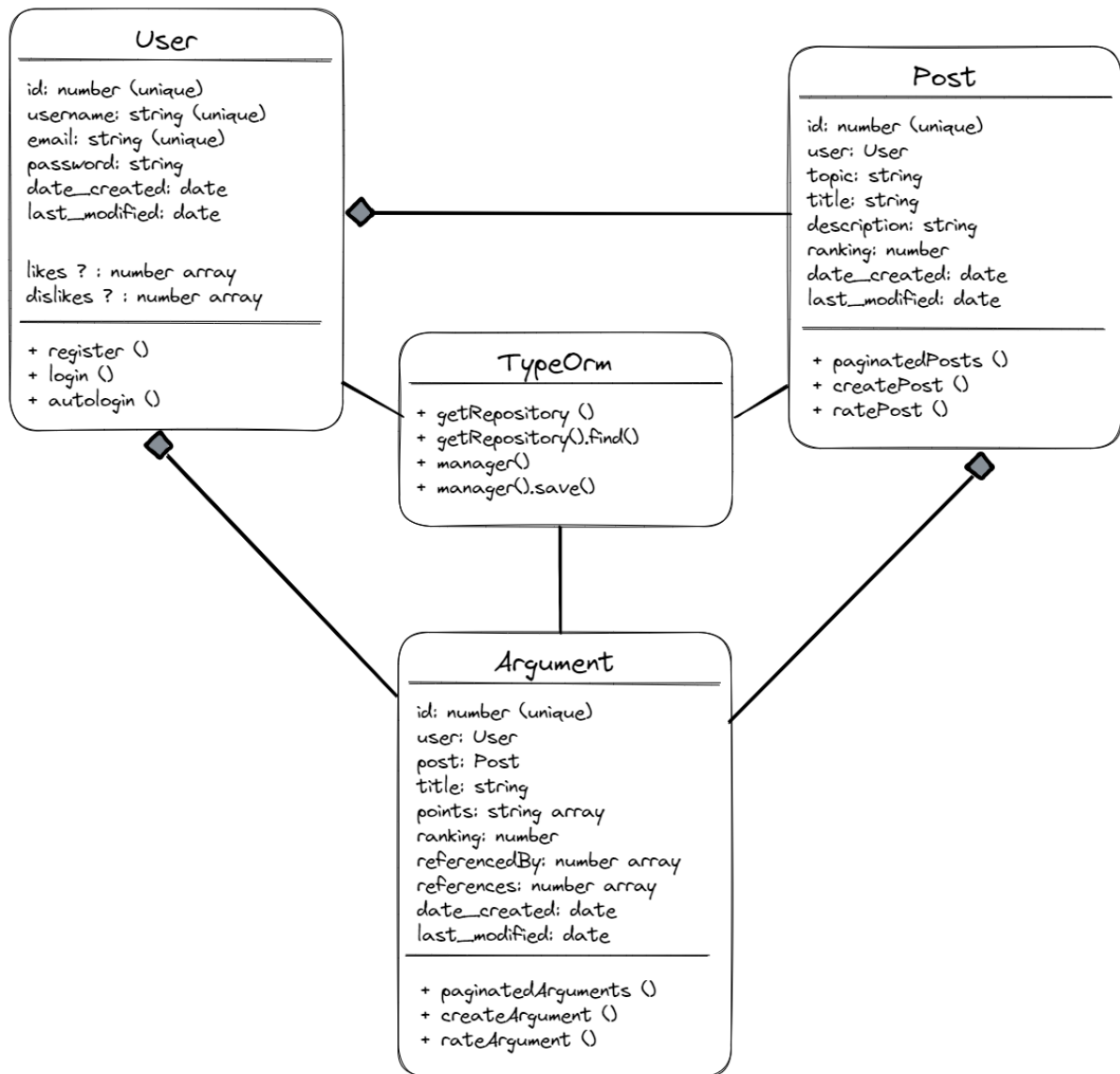


Generic response format diagram and example code snippet, for data response by server



Database schemas:

<pre>@ObjectType() @Entity() export class User extends BaseEntity {   @Field()   @PrimaryGeneratedColumn()   id!: number;    @Field()   @Column({ unique: true })   username!: string;    @Field()   @Column({ unique: true })   email!: string;    @Field()   @Column()   token: string;    //no field property, so graphql cannot select it   @Column()   password!: string;    @Field(() =&gt; [Post])   @OneToMany(() =&gt; Post, (post) =&gt; post.user)   posts?: Post[];    @Field(() =&gt; String)   @CreateDateColumn()   date_created: Date;    @Field(() =&gt; String)   @UpdateDateColumn()   last_modified: Date; }</pre>	<pre>@ObjectType() @Entity() export class User extends BaseEntity {   @Field()   @PrimaryGeneratedColumn()   id!: number;    @Field()   @Column({ unique: true })   username!: string;    @Field()   @Column({ unique: true })   email!: string;    //no field property, so graphql cannot select it   @Column()   password!: string;    @Field(() =&gt; [Post])   @OneToMany(() =&gt; Post, (post) =&gt; post.user)   posts?: Post[];    @Field(() =&gt; [Number], { nullable: true })   @Column("int", { array: true, nullable: true })   likes?: number[];    @Field(() =&gt; [Number], { nullable: true })   @Column("int", { array: true, nullable: true })   dislikes?: number[];    @Field(() =&gt; String)   @CreateDateColumn()   date_created: Date;    @Field(() =&gt; String)   @UpdateDateColumn()   last_modified: Date; }</pre>
Old User Schema	New User Schema



## UML Diagram of schemas

## Test plan

Action to be tested	Test method	Expected result	Success criteria
User can create an account	Create an account using the form	That the account will be created and can query it from the database	1
Clients should be able to create and delete posts	Input correct data into form, submit and then delete it.	Should appear in application, Can then be deleted by only the owner user.	2

User should be able to reference other users arguments	Create an argument and include multiple posts id	The other arguments should be updated with new argument id and the post should include the references.	3
User should be able to reference other users arguments	Create an argument and include an id of a post that doesn't exist	The argument should be created but omit the ids of posts that don't exist	3
Post should be structured correctly	Create a post and arguments for a post of correct and incorrect types	Any erroneous data should not be imputed into database, but correct data should show up	4
Users should be able to give weight to posts	Give weight as like, unlike and go from like to dislike	Post rating should go: Like = +1 Unlike = -1 Like -> dislike = -2	6
View a user's posts	Go to user's page	Should load all of users posts	7
User can save a topic	Save a topic	Should save the topic to the user in db, as long as topic is in whitelist	8
Accessible through a web browser	Run all of these tests on a computer that wasn't used for development.	All tests should work accordingly on another computer	9
You can view a users posts, relatively quickly	Include correct inputs and run the query	Load a certain amount of data each time.	7 and 11
Users can follow specific topics	Save some topics and go to the following tab while logged in.	Topics should automatically be included in the inputs for the search query.	8
Account data is secure	Create an account	Check that the database contains a hashed password	10

Should be able to browse a topic	Navigate to a topic page	Query should automatically include the topic	12
The website should look minimalistic	Show the client the website and ask him what he thinks	Client should be happy with the design	13