Minimalistic Social Media

Introduction

Our project was to create a minimalistic approach towards social media. We focused on being as minimalistic as possible while users can still exchange data.

Features

Friends

List of pending friends

- If you have sent a friend request, it will remind you that you are still waiting

- If you have received a friend request, it will introduce the Add Friend Button in order for you to accept his friend request

List of accepted friends

- This is where you can finally get to whisper the message!

Posts

Each user can post. Other users can add friend if they are fond of certain post.

Messaging ; Whispers

Introduction

Why? Instead of creating a reusable chat UI for each person, we wanted chatting to be minimalistic as possible by simply replying to certain messages only!

Screenshot

I am currently signed in as mohammed, and I am supposed to respond to every message separately.
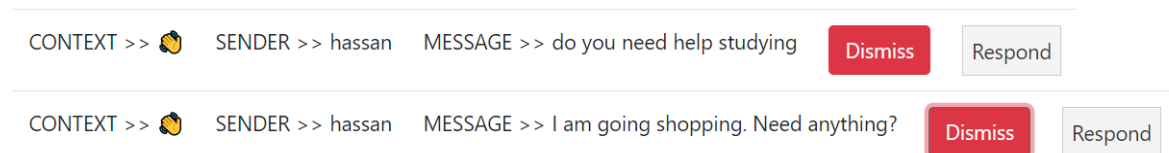
Wave

Waving is when a person initiates conversation by simply sending a single line statement

Respond

When a user responds to a single line statement

Github Link

```
https://github.com/bedairhassan/Minimalistic-Social-Media
```

Role

Hassan

- FrontEnd ; Creating Svelte Templates

- Backend ; Database ; Firebase ; Setup

- Backend ; Database ; Firebase ; Ensured Minimum # of Nodes

MSaeed

- Data Structure & Algorithms

- Ensures Clean Code

- Ensures Folder Structure

- Validation Input

Choice of Framework

Svelte

- Ease of development

- Little to no runtime validation code. It is able to identify whether or not data has arrived thanks to a single boolean variable.

```
if (datahasArrived){
renderHTML=true;
}
```

Reactjs

- We have done such project in ReactJS. However, we have seen nullable errors such as website trying to render HTML before data has even arrived

Data Structure

> Each heading is a collection. Collection, a firebase term meaning for class

> Firebase is NoSQL. It means that we can optionally skip adding certain attributes but for our project, we have refused.

sign

username : string

Contains unique username for user. It will help him login

password : string

Contains password for user. It will help him login

friends

> if there is no friendship request proposal, object doesn't exist

state : string

- friends
    - if friendship is accepted, it says friends
    - if friendship is pending, it says pending
- pending

who : string

- mohammed, hassan
    - 1st item ; mohammed ; he is the person who issued the friend request
    - 2nd item ; hassan ; he is the person who received the friend request proposal
- this really helped us write less code thanks to msaeed.

posts

dateCreated

Contains date created for post

id

contains id of post so we can easily refer and delete post in the future when proposed by user.

hello world

Sat May 15 2021 13:05:51
Created by hassan

Remove Post
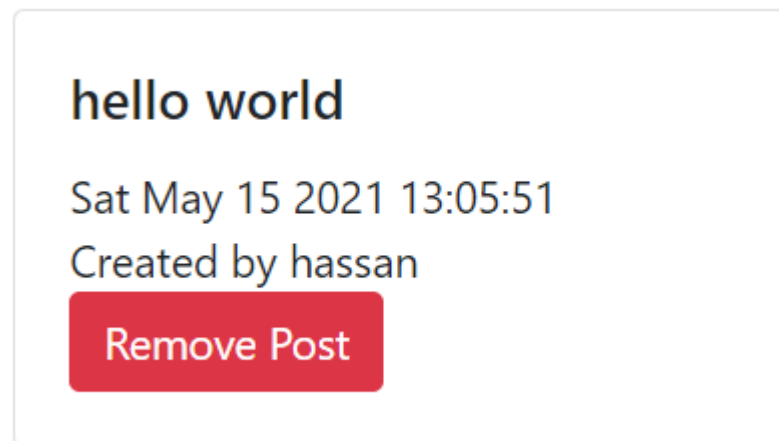
post

post contents. for example. post contents may be hello world

user

who is the owner of this post

whisper

context

> either contains string defined by user or it contains 👋

- 👋
  - It means that user is saying a quick hi.
- input by user
  - User can share a quick note or ask a quick question.

id

contains id for whisper in order to refer and delete whisper in the future as proposed by user.

WHISPER PAGE

CONTEXT >> hello!   SENDER >> hassan   MESSAGE >> I am totally fine   [Dismiss]   [Respond]

message

what is the message the sender wants to send

receiver

who received the whisper

sender

who sent the whisper

Responsiveness

No runtime errors

- Website doesn't render html before data reaches thanks to Svelte. That's the major reason we have stopped using reactjs.

Correct If Conditionals ; Receiving Whispers

Signed in as hassan

👋 means that mohammed is sending message for first time

WHISPER PAGE

CONTEXT >> 👋   SENDER >> mohammed   MESSAGE >> hello!   [Dismiss]   [Respond]

Signed in as mohammed

CONTEXT: It showed what message consisted of.

WHISPER PAGE

CONTEXT >> hello!   SENDER >> hassan   MESSAGE >> I am totally fine   **Dismiss**   Respond

Correct If Conditionals ; Pending Friend List

Signed in as hassan

Pending

mohammed   **Add Friend**

Signed in as mohammed

Pending

You are currently waiting for hassan to accept your friend request.

Correct If Conditionals ; Viewing Each Post

> If Conditionals for rendering data works perfectly.
>
> For instance, it is meaningless if you send a friend request to yourself because website can't identify that the post belongs to you.

Signed in as mohammed

- while mohammed is willing to add hassan

hello world

Sat May 15 2021 13:05:51
Created by hassan

Add a Friend

- while mohammed is waiting for friend request from hassan

hello world

Sat May 15 2021 13:05:51
Created by hassan
PENDING

Signed in as hassan

hello world

Sat May 15 2021 13:05:51
Created by hassan

Remove Post

Website User Manual

SignIn

Enter your username and password when you sign in

username exists

signed in successfully

| SignIn |

| whisper || friend || post |

SignIn

| enter your username | enter your password | SignIn |

username doesn't exist in database

If we have noticed that the username entered doesn't exist at our database, we drop a new question

Do you want to sign up and sign in ?   Sign Up & Sign In

already signed in

no need to sign in twice. you are already signed in

SignIn

You are already signed in;

Whisper Page

You receive a couple of whispers. Whispers are messages sent by your friends.
If context is 👋, your friend is just checking on you

If context isn't 👋, it means that your friend is responding to your own message.

WHISPER PAGE

CONTEXT >> 👋   SENDER >> mohammed   MESSAGE >> hello!   **Dismiss**   Respond

Posts page

- Post consists of text, date, post owner and status

- status can be

  - Friends

    - You are friends with him

  - Pending

    - You are waiting for him to accept your friend request

  - Remove Post Button

    - You are owner of post and you can remove post from your page

  - Add Friend Button

    - Let's say you have liked a certain post. In order to interact with post owner, you can send him a friend request in order to later exchange whispers known as messages.

Posts

Sat May 15 2021 14:14:4   [   ]   **Add Post**

life is amazing

Sat May 15 2021 10:03:52
Created by mohammed
FRIENDS

hello world

Sat May 15 2021 13:05:51
Created by hassan
Remove Post

Friends

It shows pending list

- Friends that you have sent friend requests to but they haven't responded yet.

- Friends are waiting for you to add them.

  - His name will appear

  - A button Add Friend will appear beside it.

It shows available friends list

Whisper button

When you click on it, it introduces a text box. You can insert your message and simply click whisper button back again.

Admin

He has a list of users and a remove button. He gets to delete their user credentials, posts, whispers, and friends.

User credentials

their username and password

Posts

All posts they made available to public

Whispers

Whispers they have sent or received will all be deleted

Friends

- pending friend requests will be deleted

    - pending friend requests are waiting to be accepted

    - pending friend requests they have sent.

- accepted friend requests will be deleted

Value Proposition

This website helps users use social media in a minimalistic manner.

Whispers as messages

Even sending message includes only

Database ERD

sign

- username
- password

posts

- dateCreated
- id
- post
- user

friends

- state
- who

whisper

- context
- id
- message
- receiver
- sender