Coursework 2- Social Networking Website

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Introduction

Welcome to TrekTeller, a vibrant community where travel enthusiasts from around the world converge to share their adventures, tips, and wanderlust-driven tales. Whether you're a seasoned globetrotter or a budding explorer, our platform invites you to connect with like-minded individuals, offering a space to post your travel plans and captivating blogs. With an intuitive design and interactive features, TrekTeller, crafted using HTML, Tailwind CSS, JavaScript, AJAX, Node.js, and MongoDB, ensures a seamless and engaging user experience. Join us on this digital journey, where every click unveils a new destination and each post sparks inspiration for your next adventure.

As you navigate through TrekTeller, you'll discover a user-friendly interface that encourages interaction. Login and Sign-Up effortlessly using Node.js and MongoDB, and delve into a world of travel insights. Engage with fellow explorers through likes, comments, and shares, transforming your digital presence into a travel narrative that resonates with others. Our navigation bar simplifies your exploration, guiding you to pages such as 'About Us,' 'Login,' ‘Signup’ and the essential 'Home' button. With a commitment to fostering connections, recognizing achievements, and sparking wanderlust, TrekTeller is your go-to destination for all things travel. Unpack, share, and explore – Adventure Awaits!

How to use TrekTeller?

Signup for TrekTeller

- Go to signup page
- Enter username, email and password to create an account
- Click on Signup button.

- Your account will be created

Login

- Go to login page
- Enter your username and password for login the website.
- Click on login button

Posts

- Users can view posts of any user and use filter according to continents
- Users can like and comment on any post.

Post a story

- Any registered user can post a story and it will be displayed to users.
- Users can upload images in posts to make it attractive.

Chat

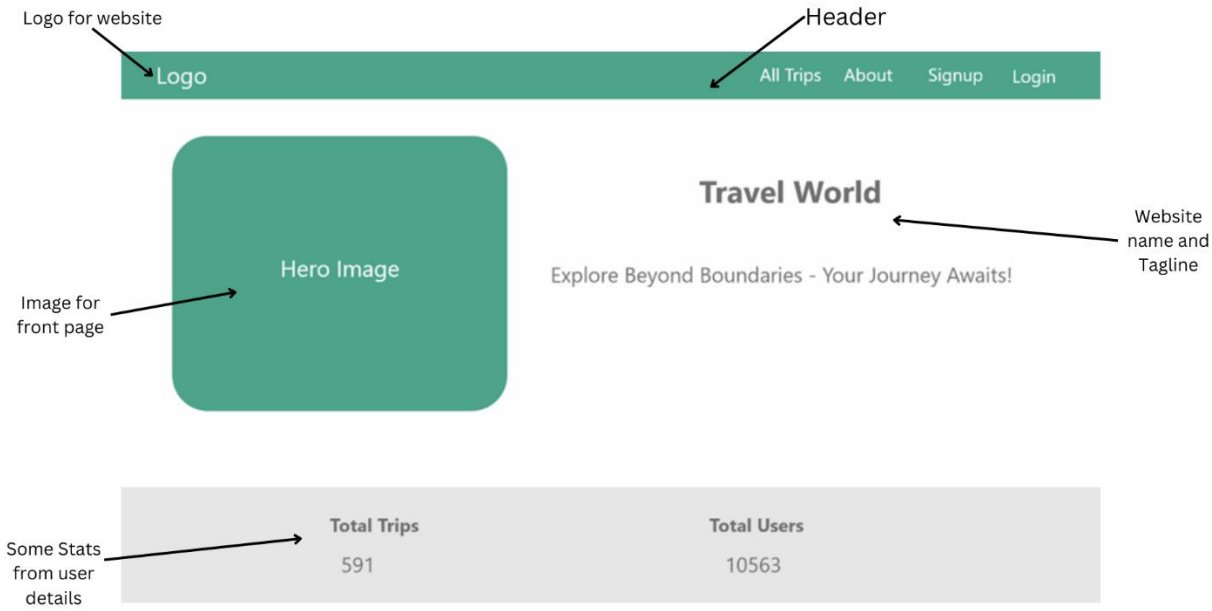
- Users can message to each other in this website.

How TrekTeller display posts?

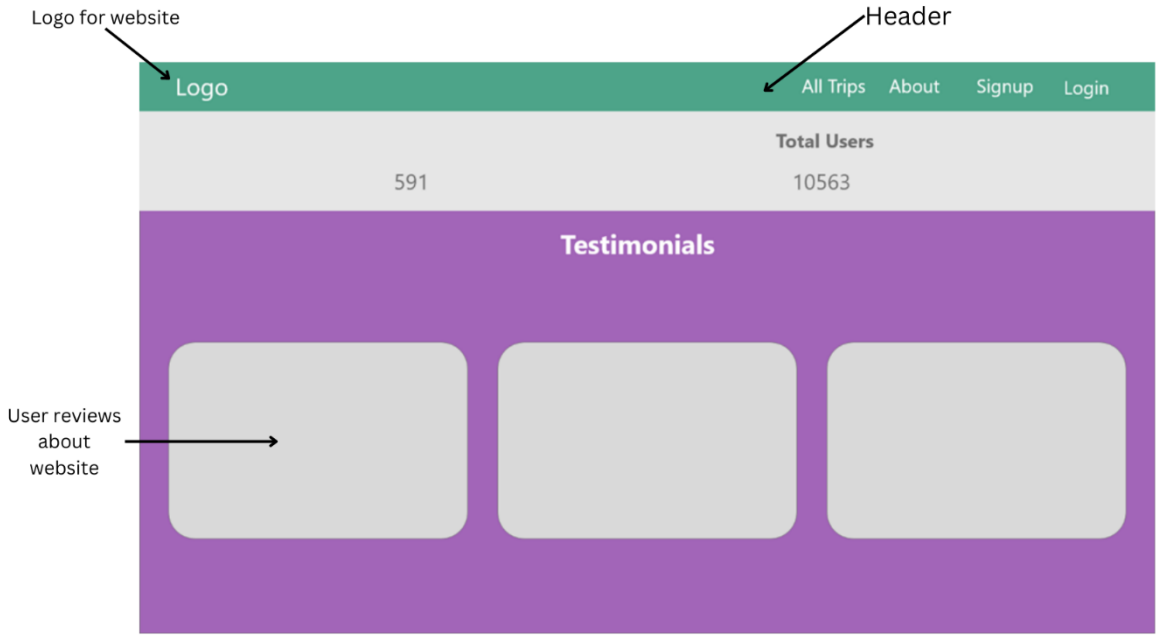
- TrekTeller will scrape some travel websites to get posts using axios, cheerio or beautiful soup and store that in a JSON format.
- After storing all posts in MongoDB, an API will fetch data from Database and it will be rendered in front-end.
- Similarly, API routes will be created for signup, login or display user's profile.
- Popular posts will be sorted using likes and then it'll be displayed on posts section or in sidebar.

- Image URL will be stored in database and it'll fetch image from server or local.

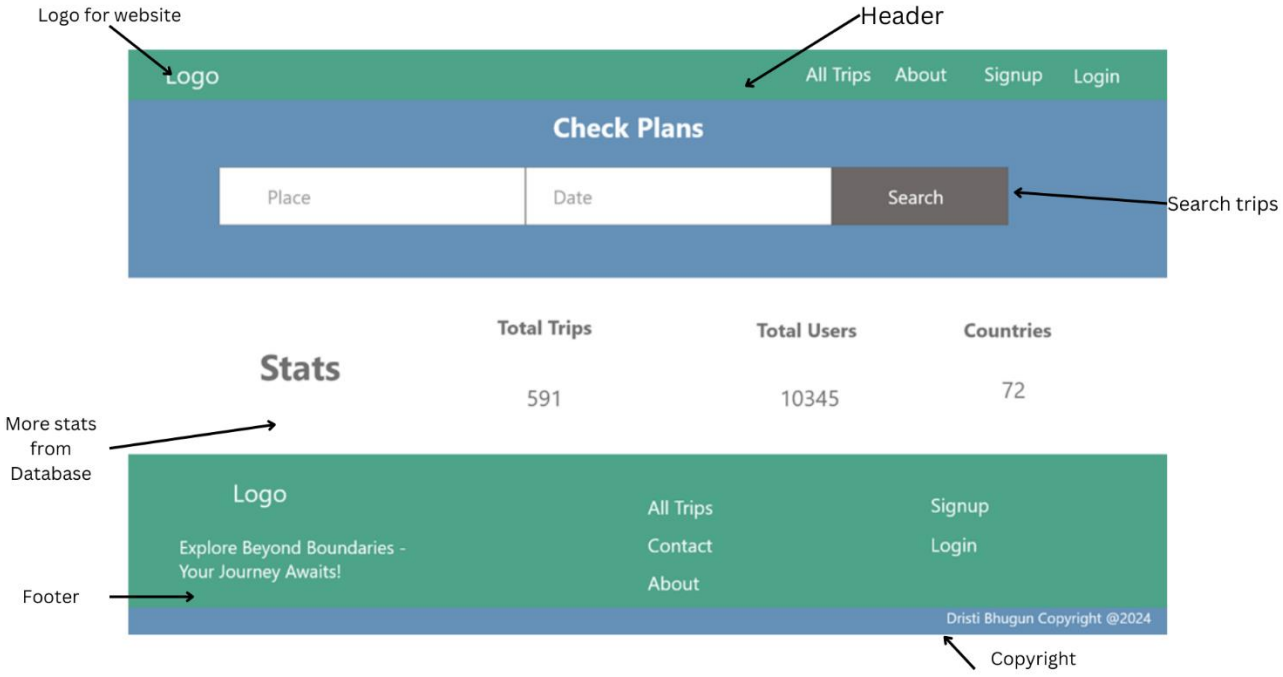
Wireframes



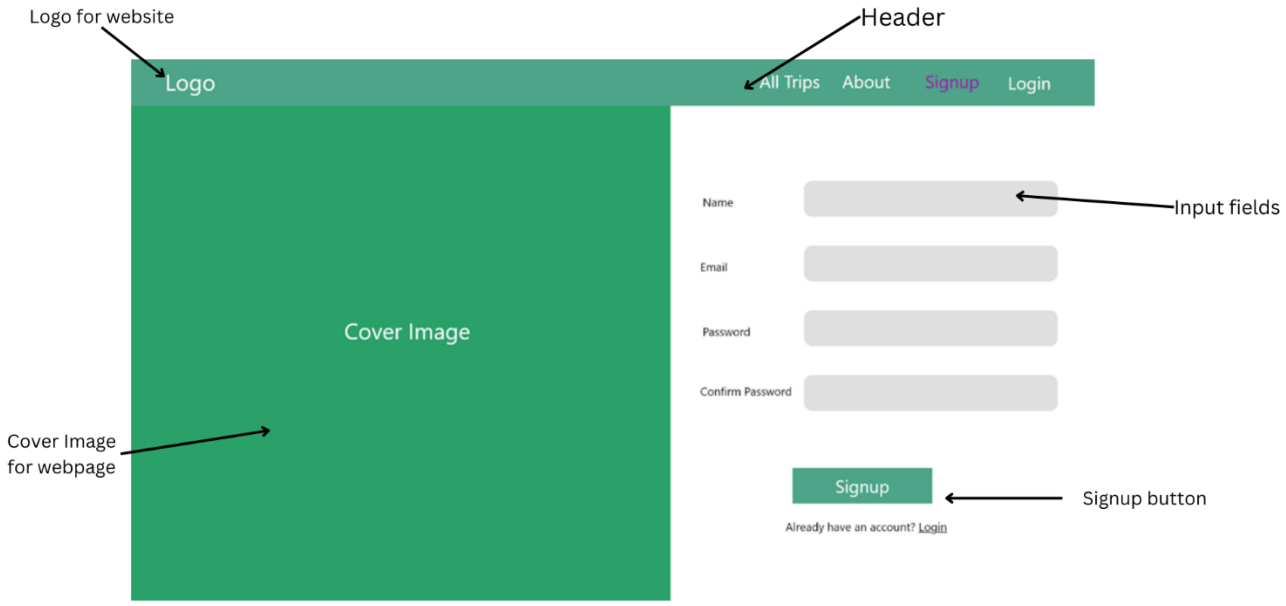
1 HomePage 1



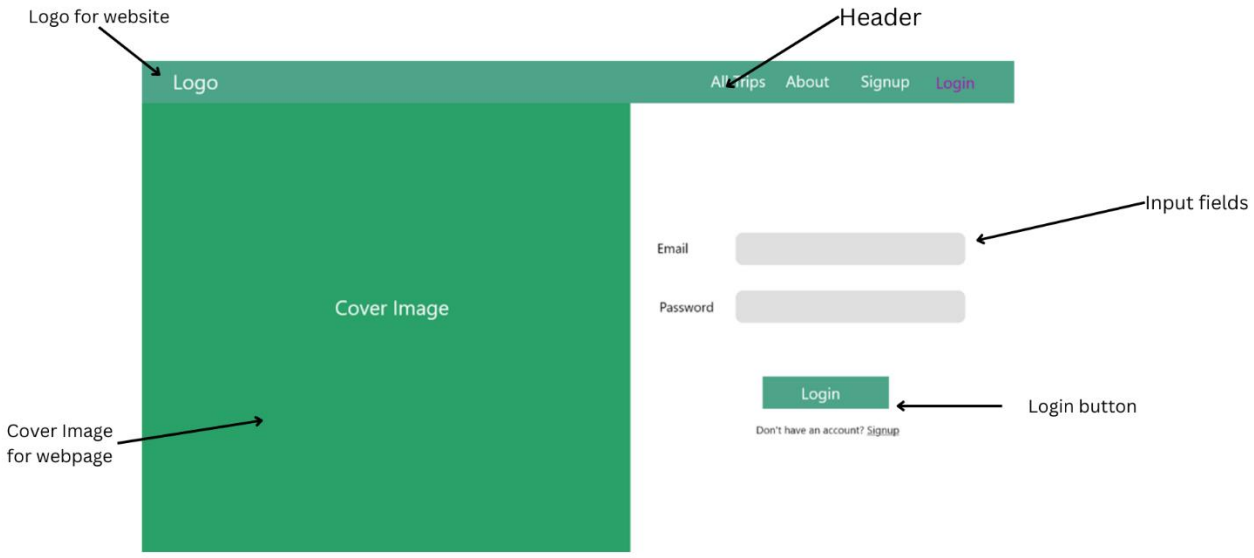
2 HomePage 2



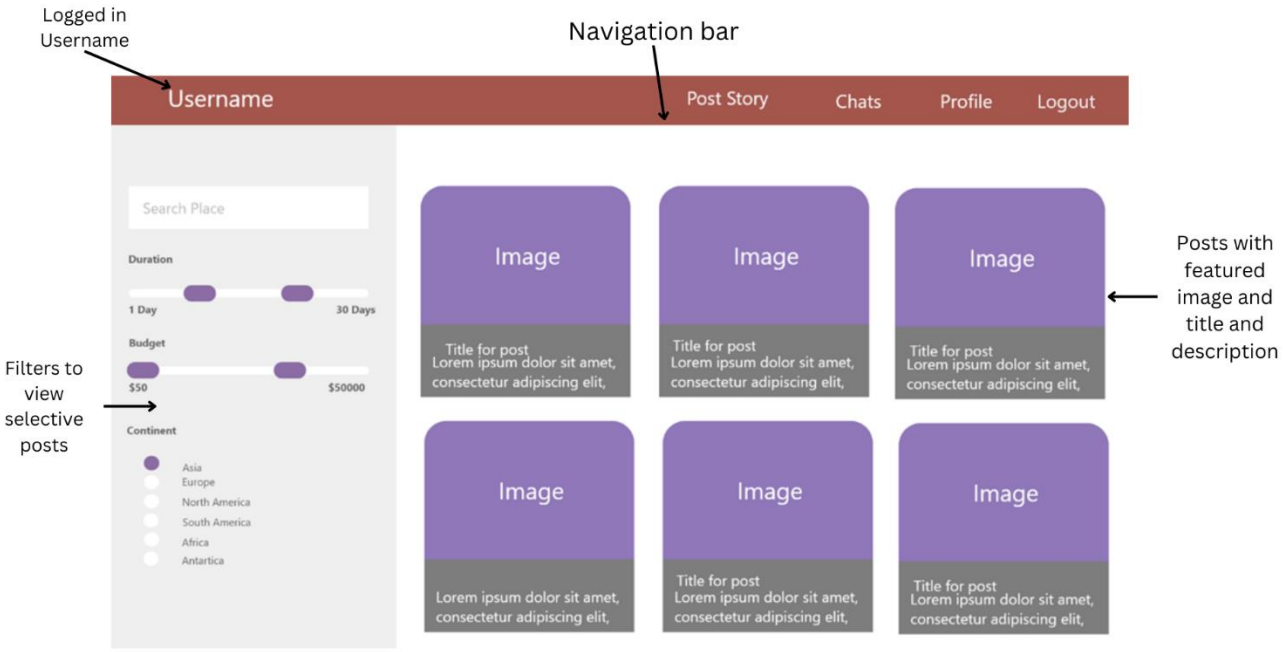
3 HomePage 3



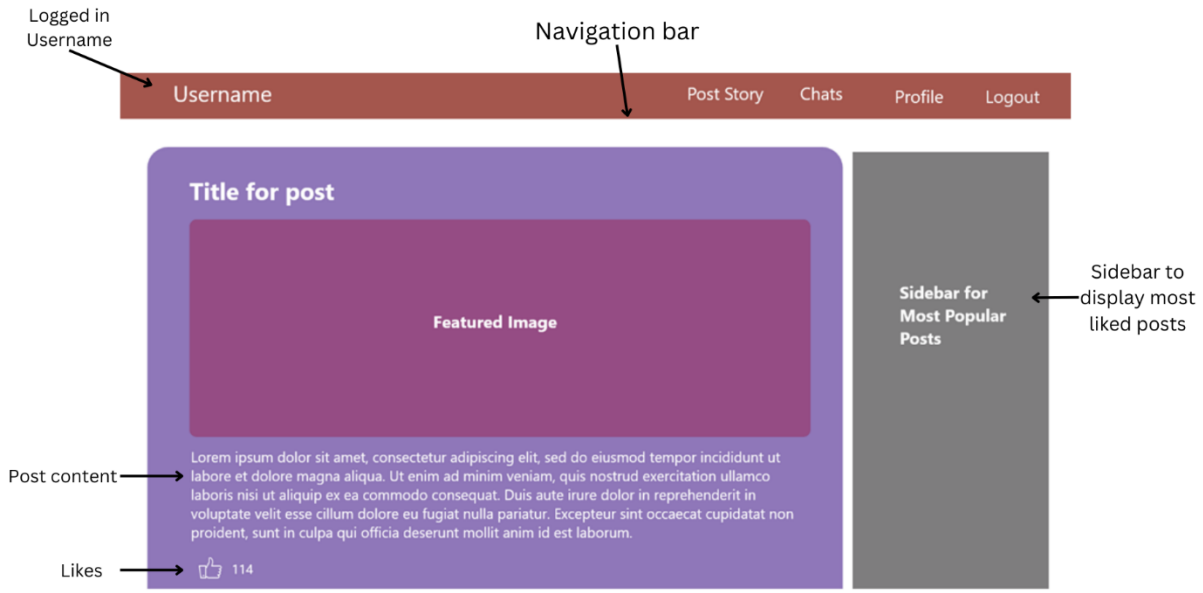
4 SignUp Page



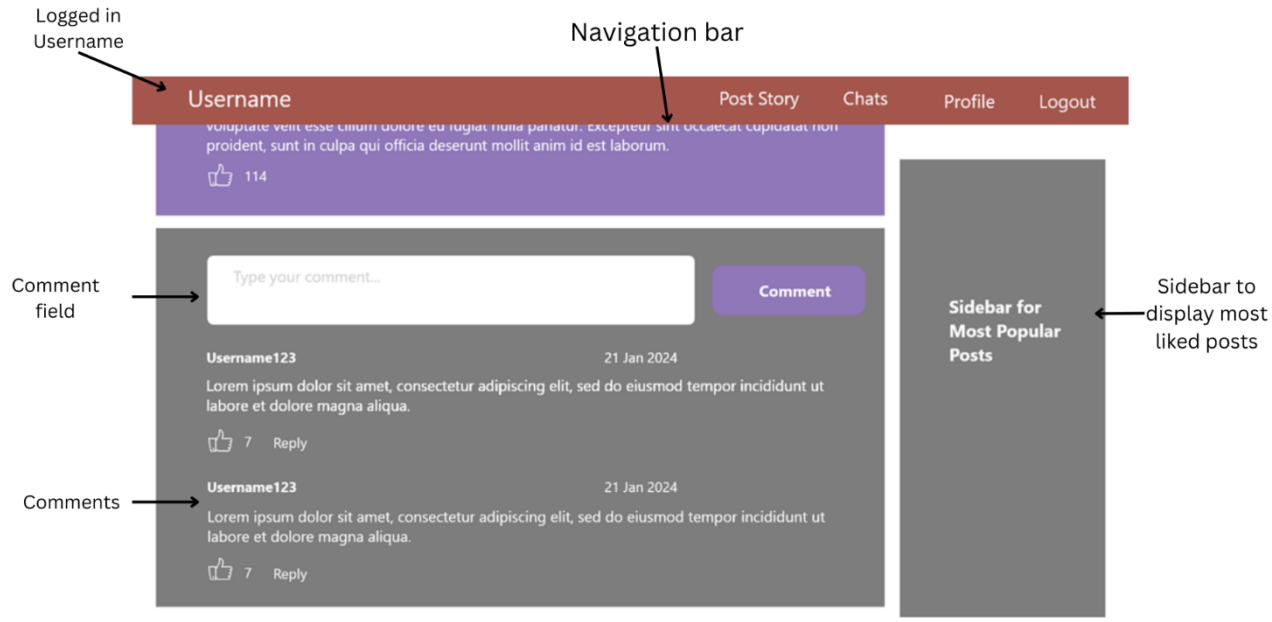
5 Login Page



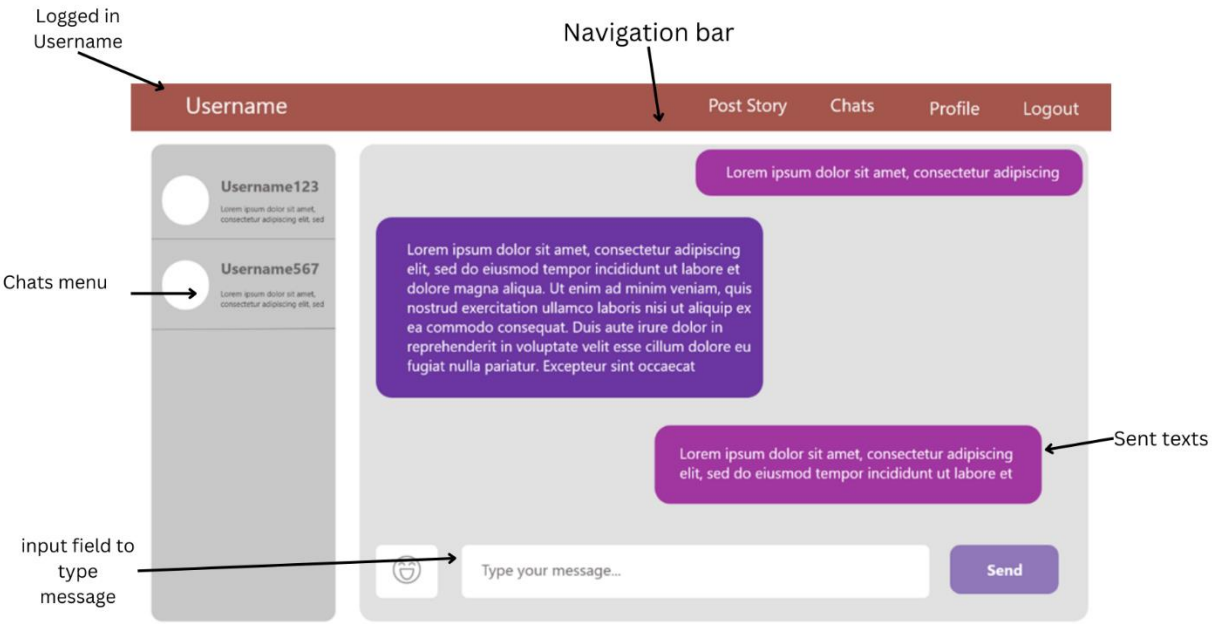
6 HomePage to Signed In users



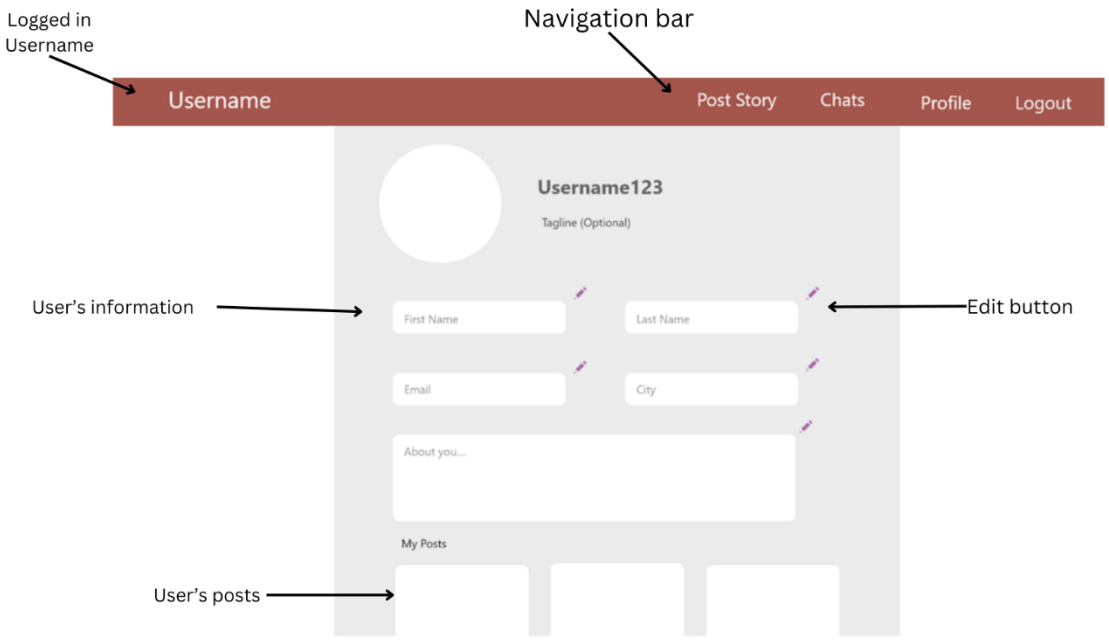
7 Posts - Details



8 Posts - Comments



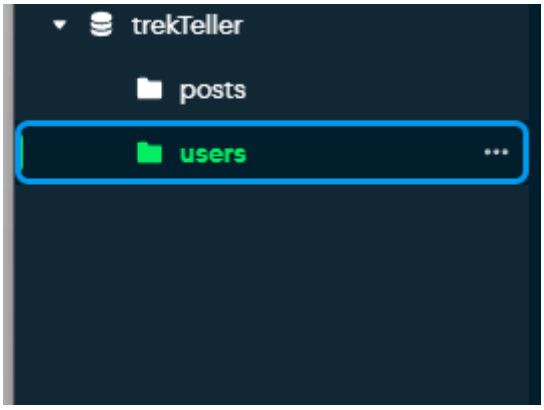
9 Chats



10 Profile Section

Database Structure

Database name: ***TrekTeller***



11 Database and Collection

Collection names:

- ***users***

```
_id: ObjectId('65b1694893d38e1415dd73d3')
username: "jane_smith"
email: "jane@example.com"
password: "hashed_password2"
first_name: "Jane"
last_name: "Smith"
bio: "An artist"
profile_pic: "profile2.jpg"
```

12 users collection

- ***posts***

13 posts collection

Conclusion

In wrapping up our journey through the digital landscape of TrekTeller, we return to the core of what makes this platform not just a hub for travel stories, but a technical marvel in the realm of web-based applications. Leveraging the latest in web development technologies – HTML, Tailwind CSS, JavaScript, AJAX, Node.js, and MongoDB – TrekTeller stands as a paragon of modern web application design, ensuring a seamless, responsive, and engaging user experience.