

## **Coursework 2- Social Networking Website**

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## Introduction

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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?

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### **Signup for TrekTeller**

- Go to signup page
- Enter username 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

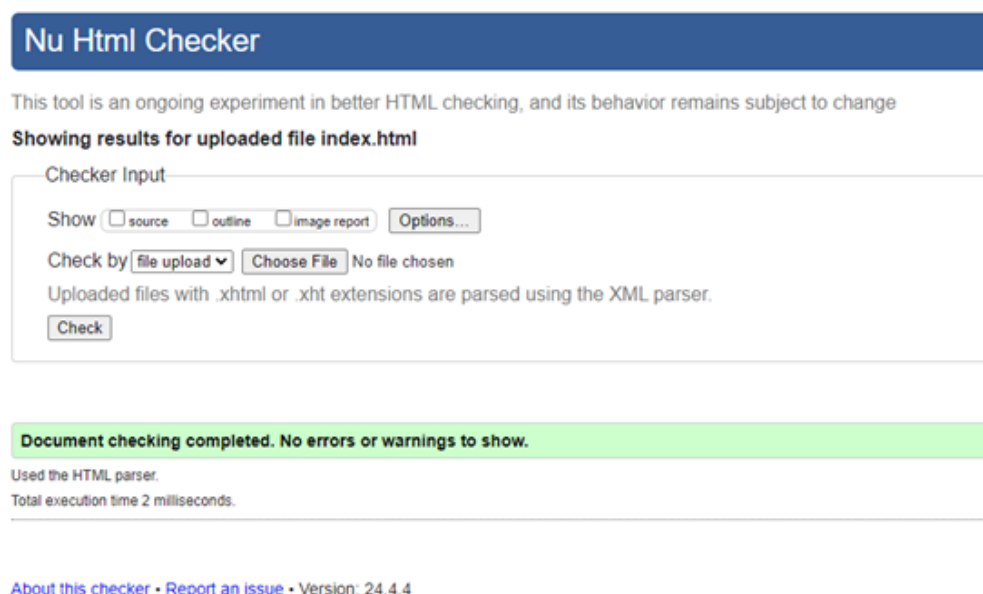
- Any registered user can post a story and it will be displayed to users.
- Users can upload images in posts to make it attractive.

## Chat

- Users can message to each other in this website.

## HTML and CSS Validation

HTML validation for index.html file



**Nu Html Checker**

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

**Showing results for uploaded file index.html**

Checker Input

Show ☐ source ☐ outline ☐ image report [Options...](#)

Check by file upload [Choose File](#) No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

[Check](#)

**Document checking completed. No errors or warnings to show.**

Used the HTML parser.  
Total execution time 2 milliseconds.

[About this checker](#) • [Report an issue](#) • Version: 24.4.4

# CSS validation from jigsaw

W3C CSS Validator results for style.css (CSS level 3 + SVG)

**Congratulations! No Error Found.**

This document validates as [CSS level 3 + SVG](#)!

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:



(close the img tag with > instead of /> if using HTML <= 4.01)



Interested in "developing" your developer skills? In W3C's hands-on Professional Certificate Program, learn how to code the right way by creating Web sites and apps that use the latest Web standards. [Find out more!](#)

[Donate](#) and help us build better tools for a better web.

## Web Service

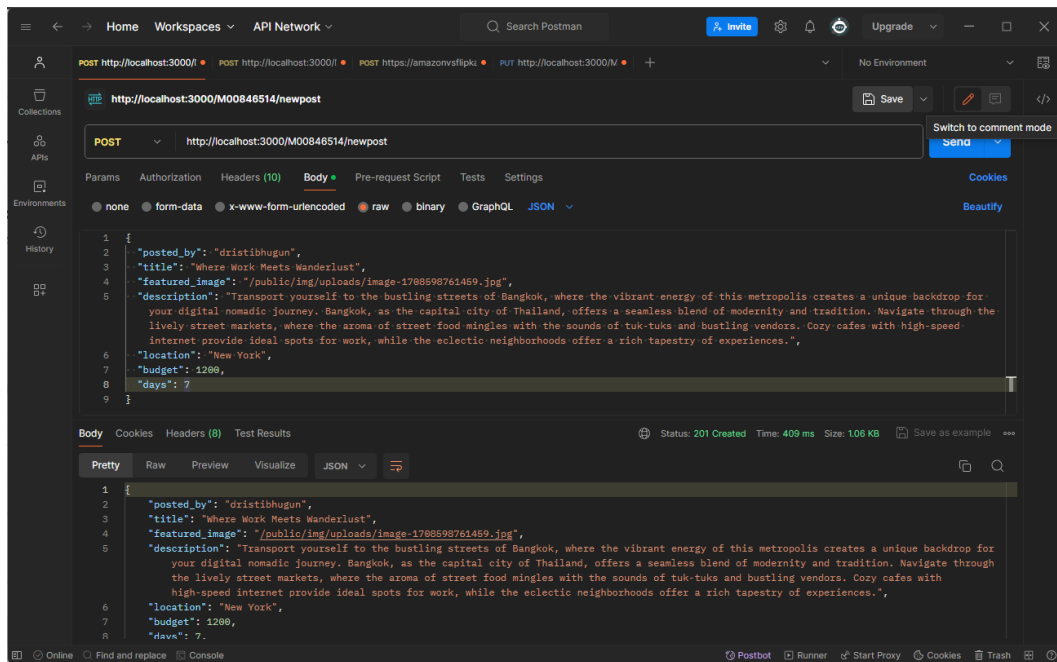
User can create new post by clicking on post a story it will fetch /M00846514/newpost with POST method.

### For example:

Creating a new post by fetching

<http://localhost:3000/M00846514/newpost> with method POST.

After entering required data for creating a post click on SEND button.



*1 POST method to create a new post*

New post is saved in posts collection in MongoDB Atlas.

```

_id: ObjectId('65d783a034ad7814c67c0f21')
posted_by: "dristibhugun"
title: "Where Work Meets Wanderlust"
featured_image: "/public/img/uploads/image-1708598761459.jpg"
description: "Transport yourself to the bustling streets of Bangkok, where the vibra..."
location: "New York"
budget: 1200
days: 7
likes: 0
date: 2024-02-22T17:25:52.716+00:00
comments: Array (empty)
__v: 0

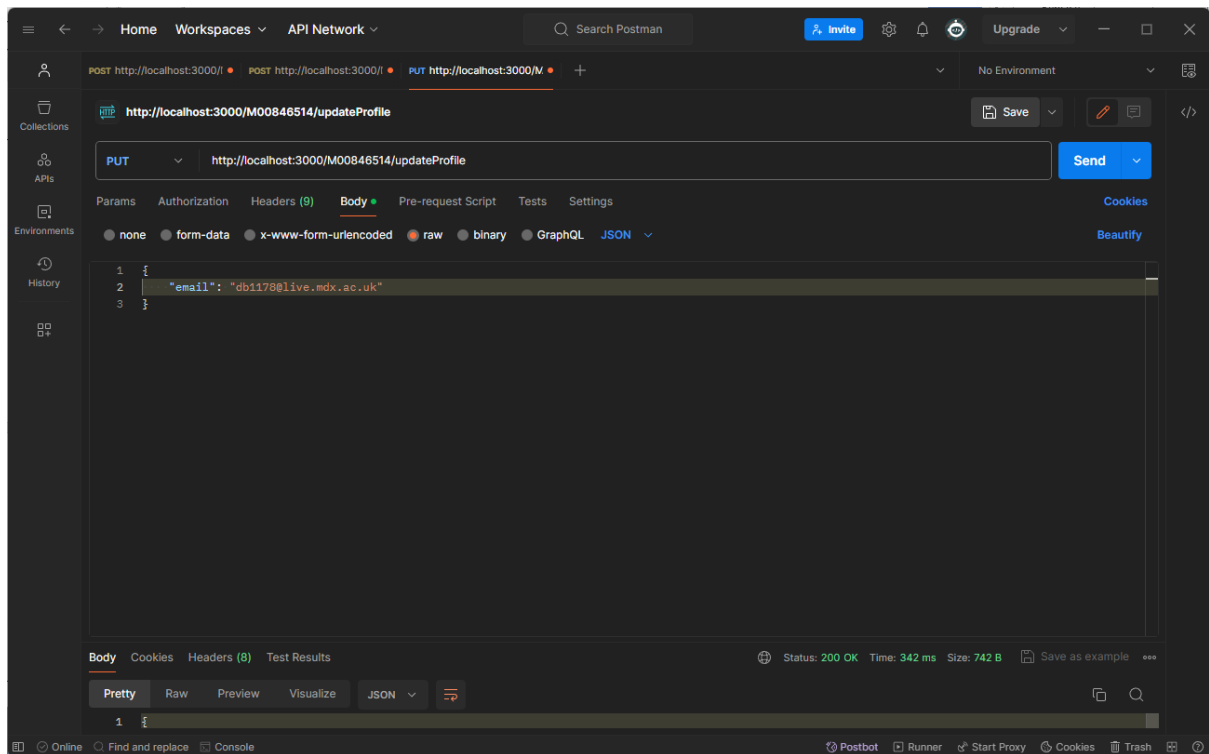
```

*2 Creation of post in MongoDB Atlas*

To update user profile, user can fetch <http://localhost:3000/M00846514/updateProfile> with PUT method

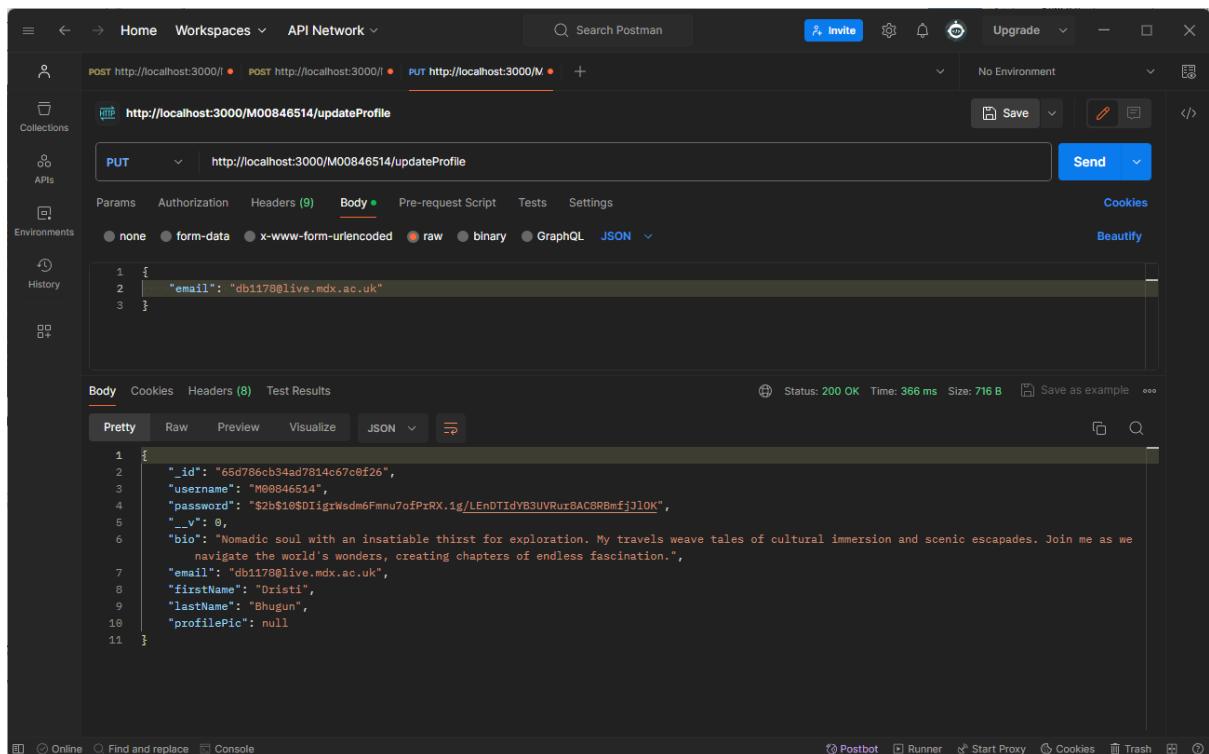
**For example:**

If we only want to update email of user “M00846514”, then we pass email as `db1178@live.mdx.ac.uk`



*3 PUT method to update user profile*

When we click on send, it will be updated and updated response will be displayed



*4 Output of PUT method*



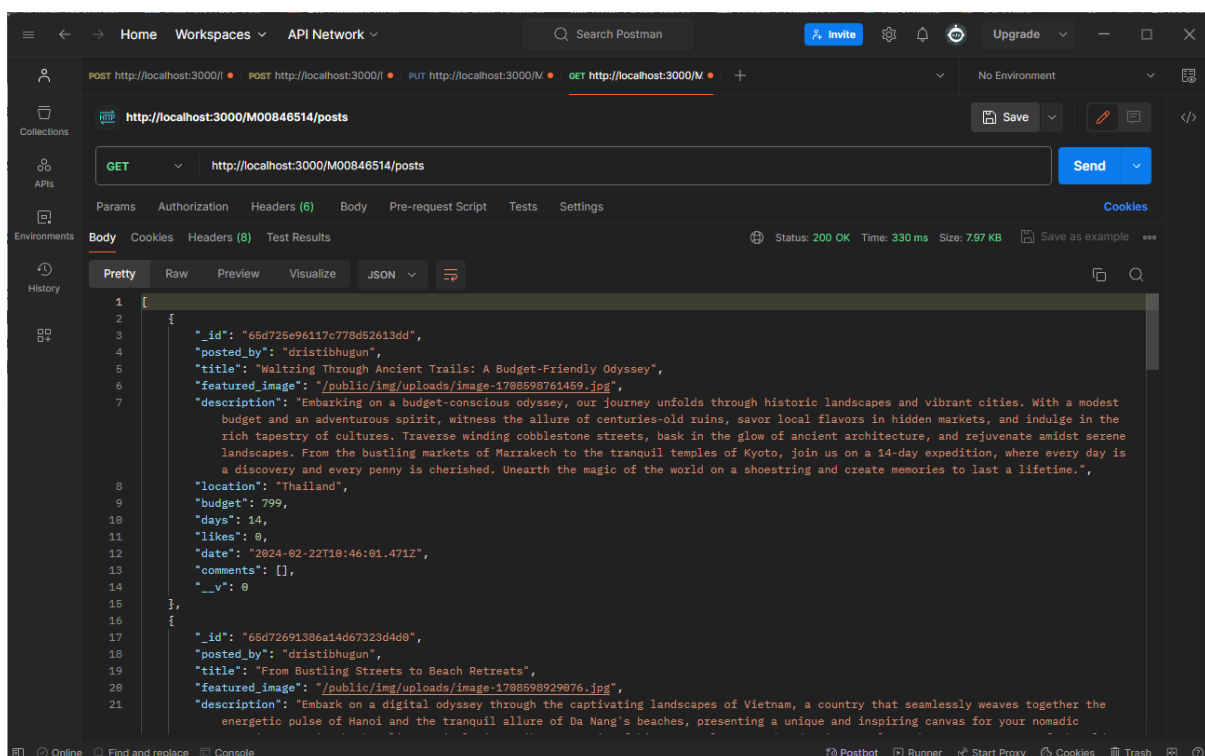
We can also see updated email in database

```
_id: ObjectId('65d786cb34ad7814c67c0f26')
username: "M00846514"
password: "$2b$10$DIgrWsdm6Fmnu7ofPrRX.lg/LEnDTIdYB3UVRur8AC8RBmfjJlOK"
__v: 0
bio: "Nomadic soul with an insatiable thirst for exploration. My travels wea..."
email: "db1178@live.mdx.ac.uk"
firstName: "Dristi"
lastName: "Bhugun"
profilePic: null
```

#### *5 Updated Profile in MongoDB*

Updated email is showing in MongoDB.

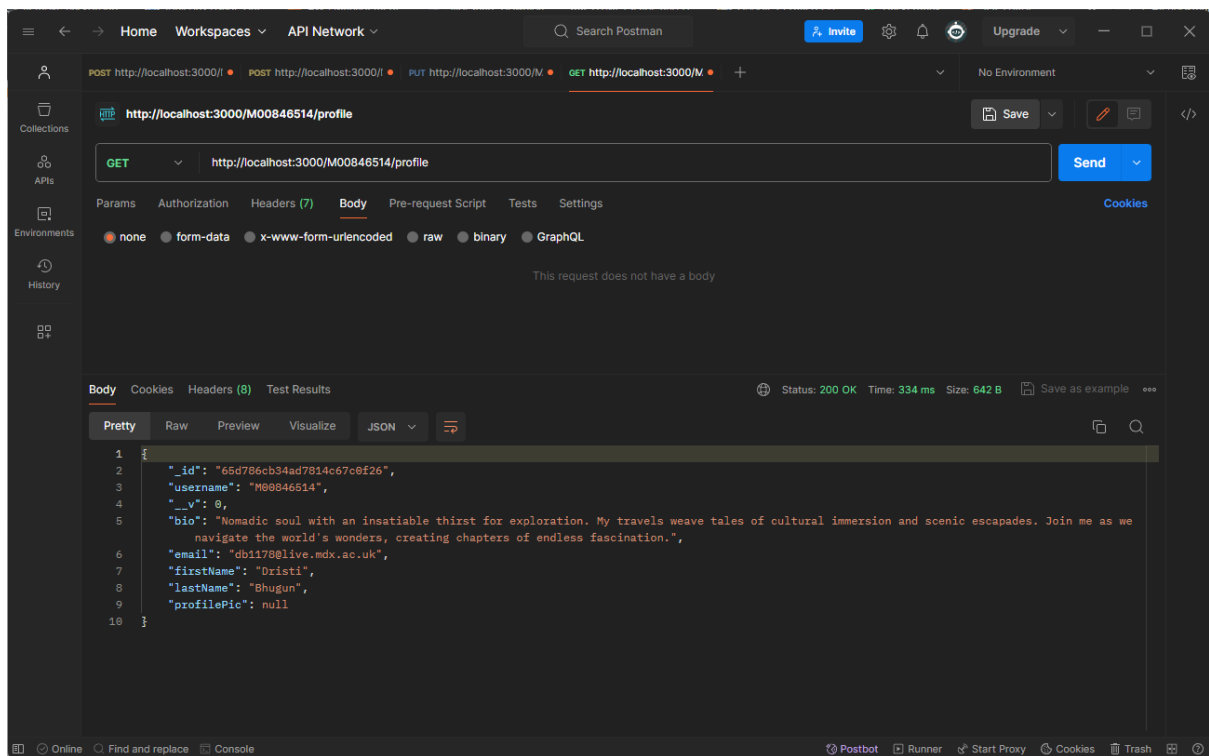
To view all posts from database, we fetch /M00846514/posts with GET method



#### *6 GET method to fetch all posts*

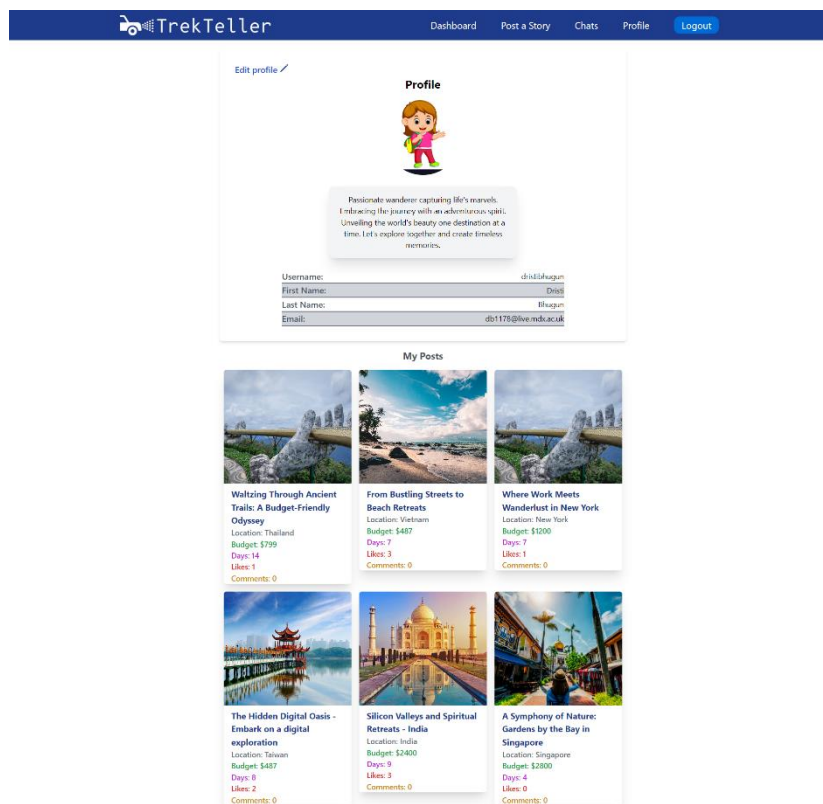
All posts from “posts” collection will be displayed.

When user opens profile data will be retrieved from MongoDB with GET method from / M00846514/profile



*7 GET method to display user data*

Profile data is used to display user profile in #/profile



*8 Displaying user data in front end*

## Security, Privacy Legal Issues

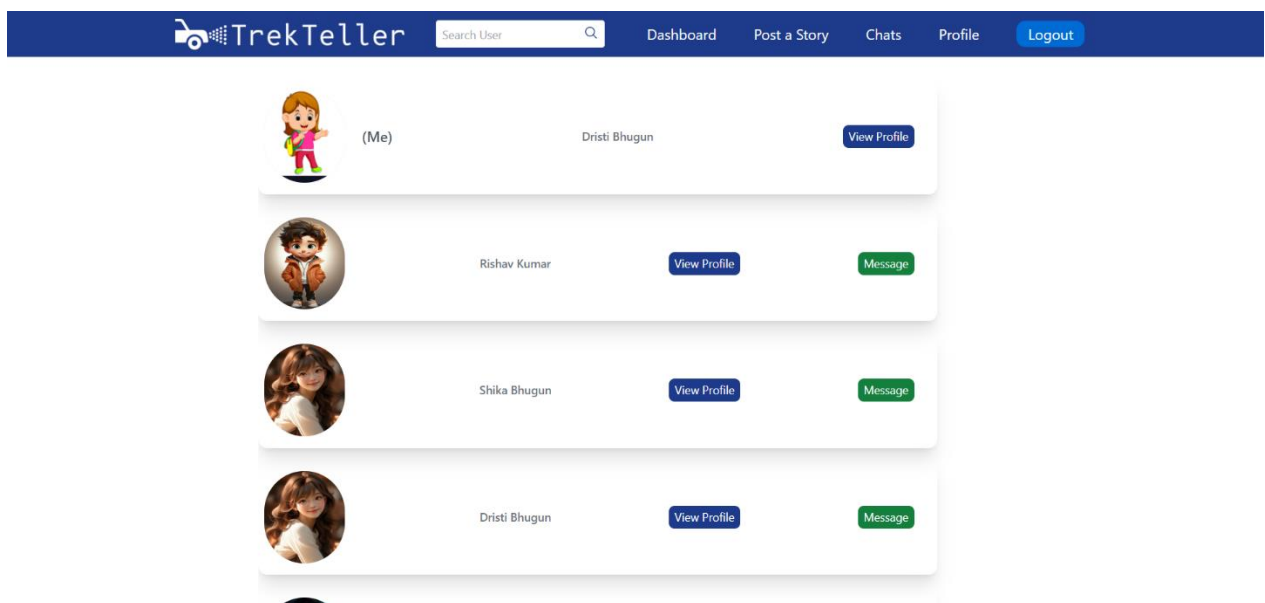
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- All sensitive data such as jwt\_key, MongoDB cluster URL and Port are saved in .env file.
- These secrets will be used when we want to deploy it on production.
- We can store these as GitHub Repository Secrets.
- Images used for posts are royalty-free images.

## Advanced website functionality

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For advanced web functionality, I've added chatting option in TrekTeller website. Users can text any user they want in it.



*9 Users Page with Message Option*

TrekTeller


Dashboard
Post a Story
Chats
Profile
Logout



arkay

hello

03:45 AM Apr 08



mrinal

hello

11:57 PM Apr 10

MRINAL

hey

03:38 AM Apr 08

hello

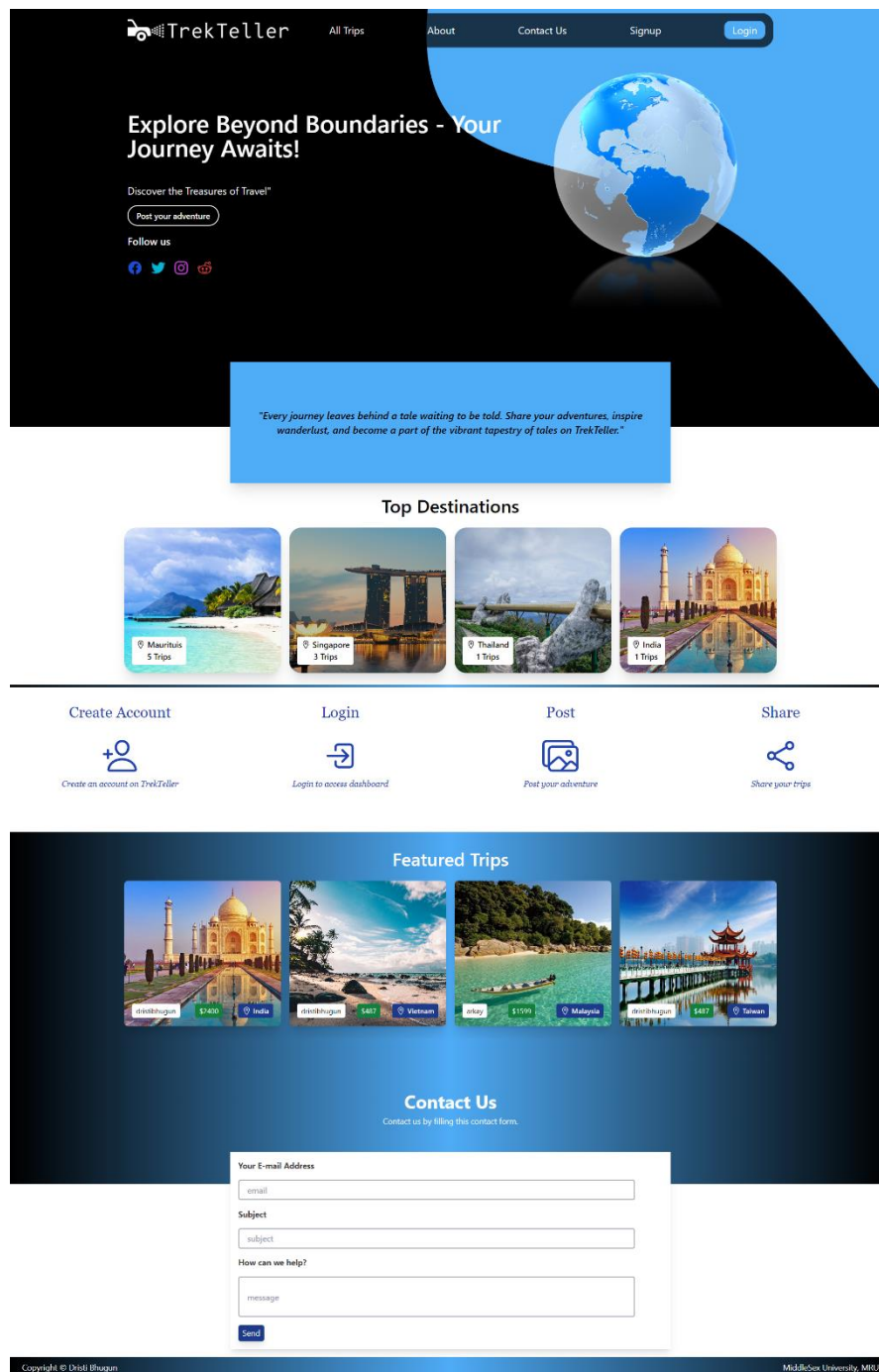
11:57 PM Apr 10

Enter your message..


Send

10 ChatsPage

## Screenshots of website



11 HomePage | TrekTeller



## Signup for TrekTeller

Username

Password

Confirm Password

Signup


Already have an account? Login

## Welcome to TrekTeller

Marking Time with Memorable Journeys



12 Signup Page | TrekTeller



## Login to TrekTeller

Credentials for demo  
Username: droidbugun  
Password: droid

Username

Password

Login

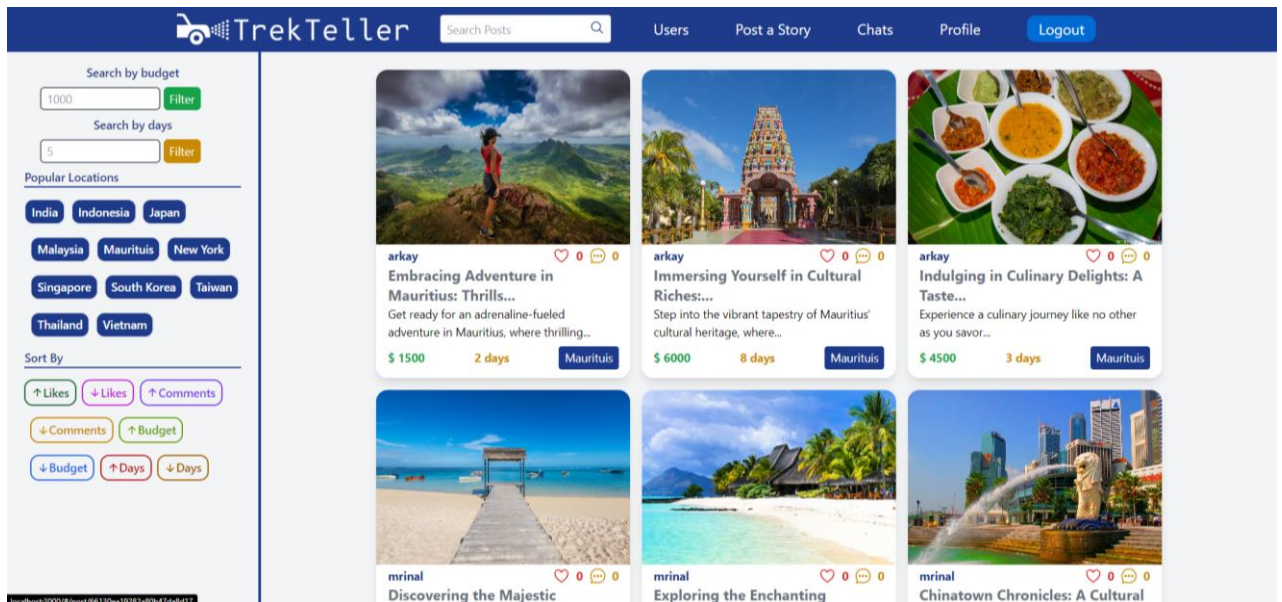
Doesn't have an account? Signup

## Welcome to TrekTeller

Marking Time with Memorable Journeys



13 Login Page | TrekTeller




14 Dashboard | TrekTeller



15 Post Description





Post a Story
Chats
Profile
Logout

No file chosen


Post my story

## 16 Create a Post Form


Dashboard
Post a Story
Chats
Profile
Logout

[Edit profile](#)


### Profile




Passionate wanderer capturing life's marvels.  
 Embracing the journey with an adventurous spirit.  
 Unveiling the world's beauty one destination at a  
 time. Let's explore together and create timeless  
 memories.

Username:	dristibhugun
First Name:	Dristi
Last Name:	Bhugun
Email:	db1178@live.mdx.ac.uk


### My Posts




**Waltzing Through Ancient Trails: A Budget-Friendly Odyssey**  
 Location: Thailand  
 Budget: \$799  
 Days: 14  
 Likes: 1  
 Comments: 0




**From Bustling Streets to Beach Retreats**  
 Location: Vietnam  
 Budget: \$487  
 Days: 7  
 Likes: 3  
 Comments: 0




**Where Work Meets Wanderlust in New York**  
 Location: New York  
 Budget: \$1200  
 Days: 7  
 Likes: 1  
 Comments: 0



**The Hidden Digital Oasis - Embark on a digital exploration**  
 Location: Taiwan  
 Budget: \$487  
 Days: 8  
 Likes: 2  
 Comments: 0



**Silicon Valleys and Spiritual Retreats - India**  
 Location: India  
 Budget: \$2400  
 Days: 9  
 Likes: 3  
 Comments: 0



**A Symphony of Nature: Gardens by the Bay in Singapore**  
 Location: Singapore  
 Budget: \$2800  
 Days: 4  
 Likes: 0  
 Comments: 0

## 17 Profile Page



## Conclusion

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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.