

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
“Jnana Sangama”, Belgaum -590014, Karnataka.



**PROJECT WORK-2 REPORT
On
PARAPET**

Submitted by

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Under the Guidance of
Dr.Rajeshwari B S
Assistant Professor

in partial fulfillment for the award of the degree of
BACHELOR OF ENGINEERING
in
COMPUTER SCIENCE AND ENGINEERING



**B.M.S. COLLEGE OF ENGINEERING
(Autonomous Institution under VTU)
BENGALURU-560019**

JULY 2021
B. M. S. College of Engineering,
Bull Temple Road, Bangalore 560019
(Affiliated To Visvesvaraya Technological University, Belgaum)
Department of Computer Science and Engineering



CERTIFICATE

This is to certify that the project work entitled **Parapet** carried out by **Nikhil Abraham (1BM19CS101)**, **Neha Cathrin (1BM19CS101)**, **Nishchal Nandagopal (1BM19CS101)**, **Abhinav Atla (1BM18CS021)** who are bonafide students of **B. M. S. College of Engineering**. It is in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the Visvesvaraya Technological University, Belgaum during the year 2021. The project report has been approved as it satisfies the academic requirements in respect of **Project Work-2 (19CS4PWPW2)** work prescribed for the said degree.

Signature of the Guide

Dr. Rajeshwari B S
Assistant Professor
BMSCE, Bengaluru

Signature of the HOD

Dr. Umadevi V.
Prof & Head of Dept of CSE
BMSCE, Bengaluru

External Viva

Name of the Examiner

Signature with date

B.M.S. COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



DECALARATION

We, **Nikhil Abraham (1BM19CS101)**, **Neha Cathrin (1BM19CS101)**, **Nishchal Nandagopal (1BM19CS101)**, **Abhinav Atla (1BM18CS021)** students of 4th Semester, B.E, Department of Computer Science and Engineering, B.M.S College of Engineering, Bangalore, hereby declare that, this Project Work-2 entitled "**PARAPET**" has been carried out by us under the guidance of Dr. Rajeshwari B S, Assistant Professor, Department of CSE, B.M.S College of Engineering, Bangalore during the academic semester February-July 2021.

We also declare that to the best of our knowledge and belief, the development reported here is not from part of any other report by any other students.

Signature

NIKHIL ABRAHAM (1BM19CS101)
NEHA CATHRIN (1BM19CS099)
ABHINAV ATLA (1BM18CS021)
NISHCHAL NANDAGOPAL (1BM19CS105)

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1. INTRODUCTION

1.1 Overview

Parapet is a social media based platform focused on promoting interactions on current and future socioeconomic issues. It aims to provide a platform for open discussion and formation of communities to share views and thoughts on the same. The web application is divided into account, social and messaging sections. Each having its own features. The account section holds the landing page and user registration and signup while the social section is the social media aspect of the project will all modern day features. The messaging section provides users with the ability to connect with any user on the platform. These three major sections form our web application. The main feature of the web application is the ability for user to make public posts and Articles about global issues and also have the ability to discuss and interact with these posts and other users.

1.2 Motivation

Empowering the youth to address socioeconomic issues and help bring change to build a sustainable, equitable and just future and to set the tone for the years ahead. As students we wanted to create a platform made and managed by students themselves. Our primary audience is the younger generation and we hope to help create a more aware and better future for ourselves.

2. SOFTWARE REQUIREMENTS SPECIFICATION

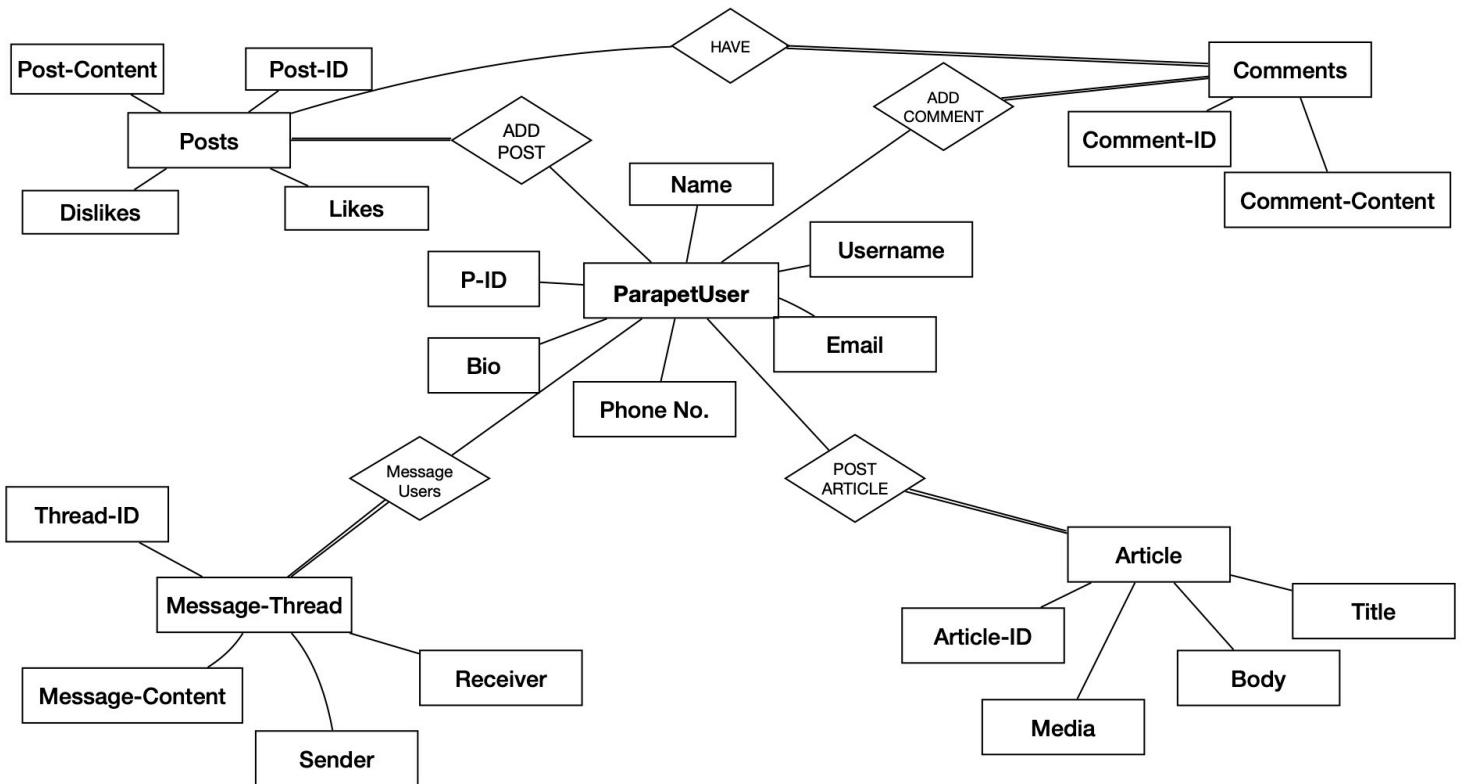
2.1 Hardware Requirements:

- A Mac/PC with the following or greater specifications:
 - Intel Core i3 or higher
 - 8 GB RAM
 - 500 GB Hard Drive
- A stable internet connection (2Mbps or higher)

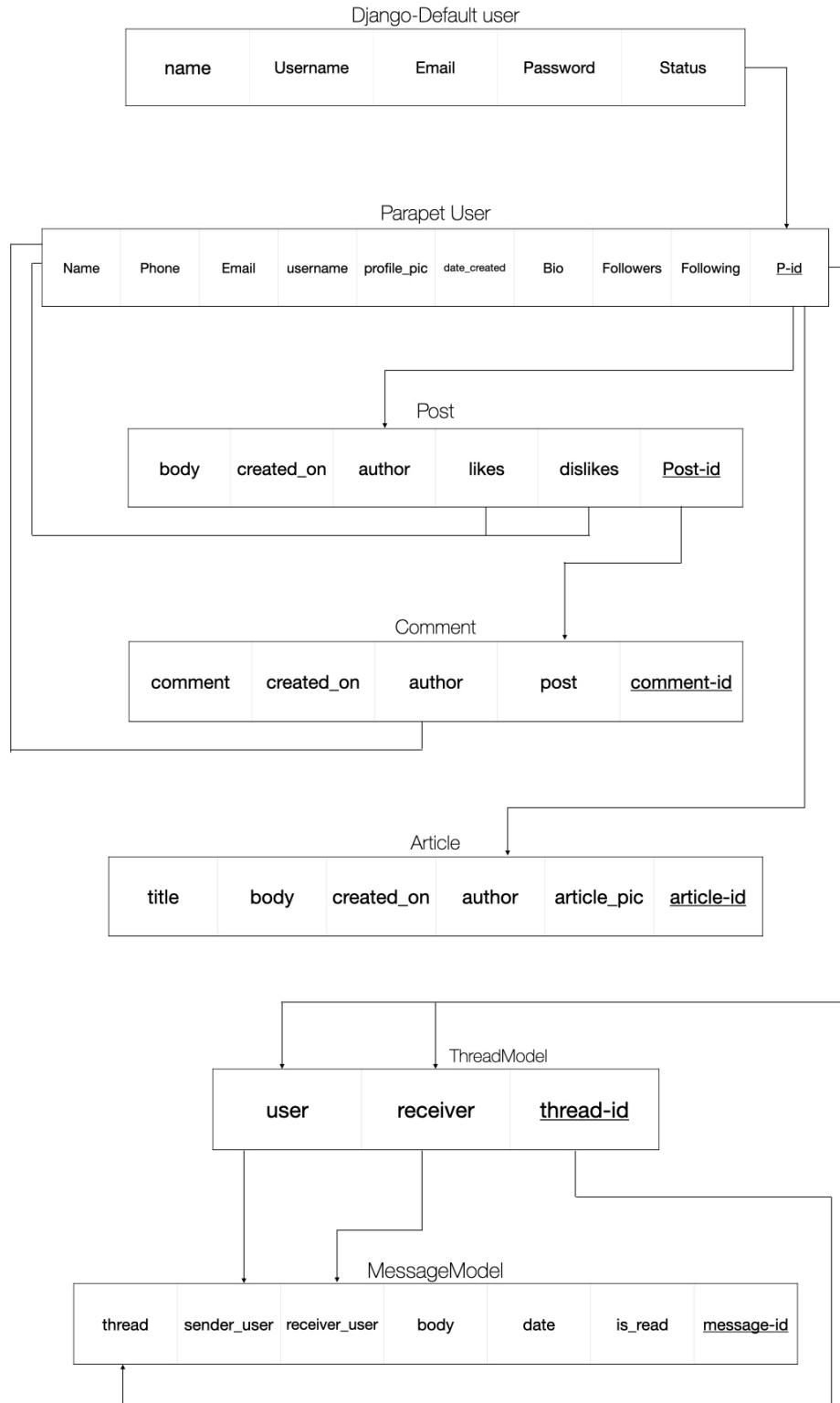
2.2 Software Requirements:

- Operating system : MacOS, Windows, Linux
- Front end technologies are : HTML, CSS, JavaScript
- IDE : VS Code, Vim, Atom
- Back end requirement : Python
- Server : Django

4. ER diagram OF PROJECT

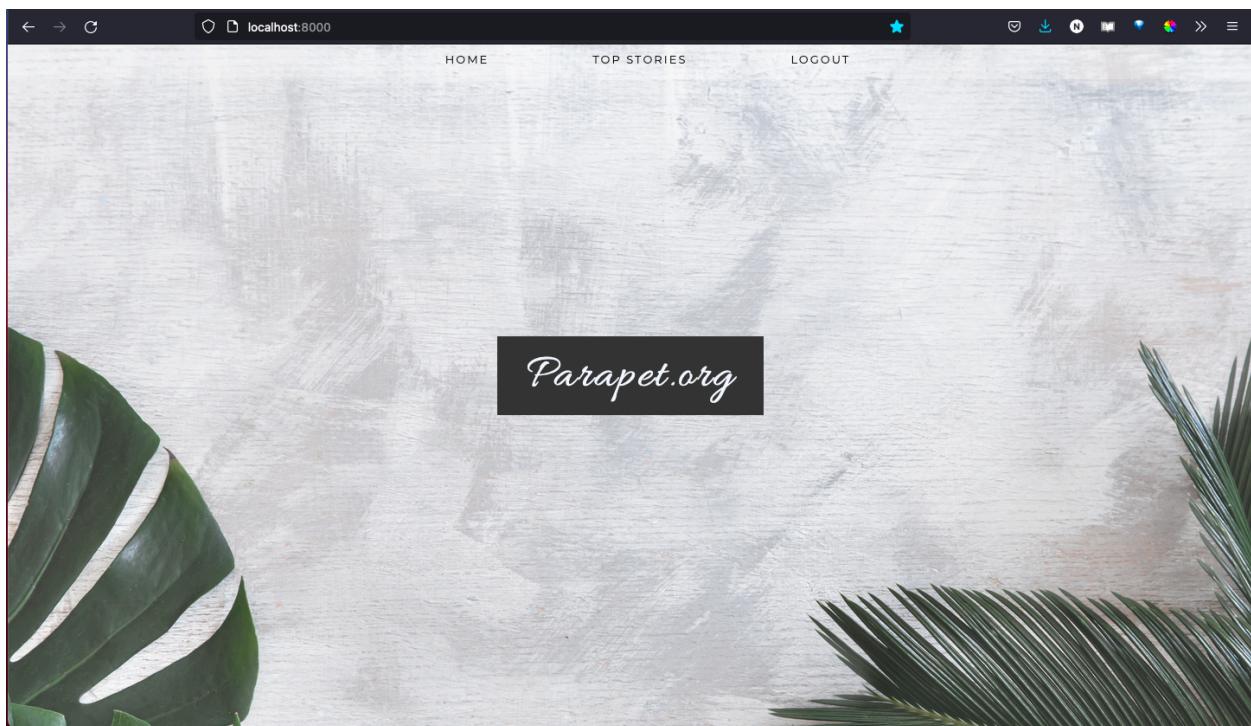


5. SCHEMA DIAGRAM OF PROJECT



6. USER INTERFACE DESIGN

Landing Page:

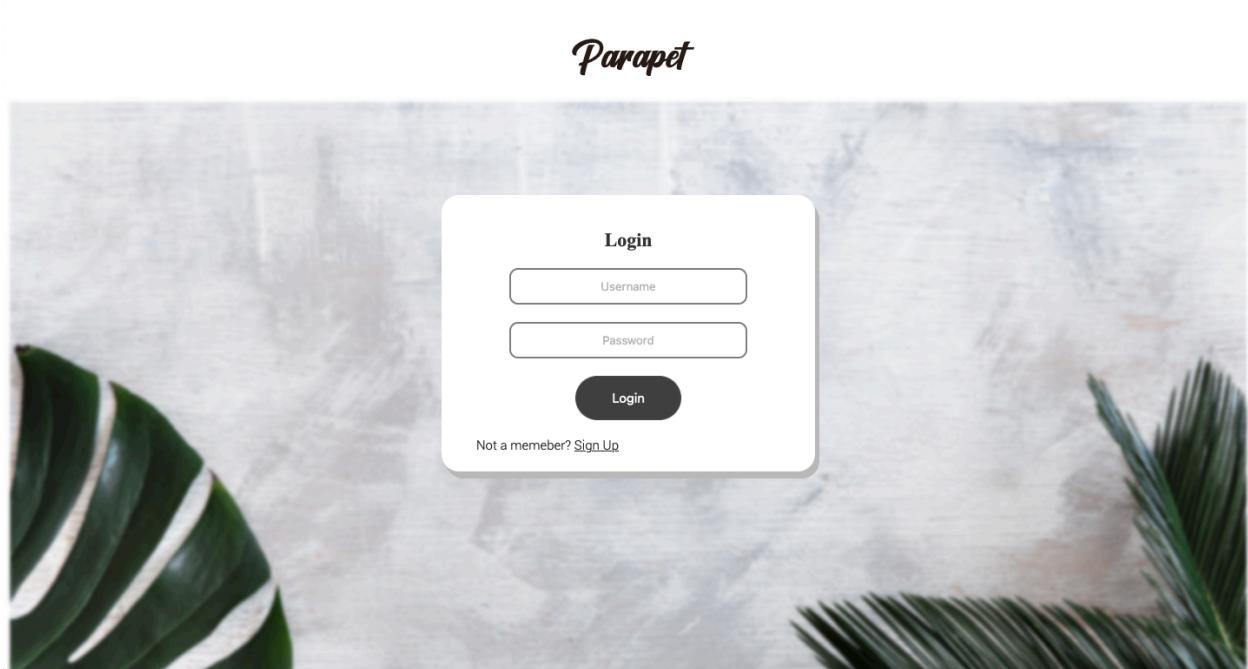
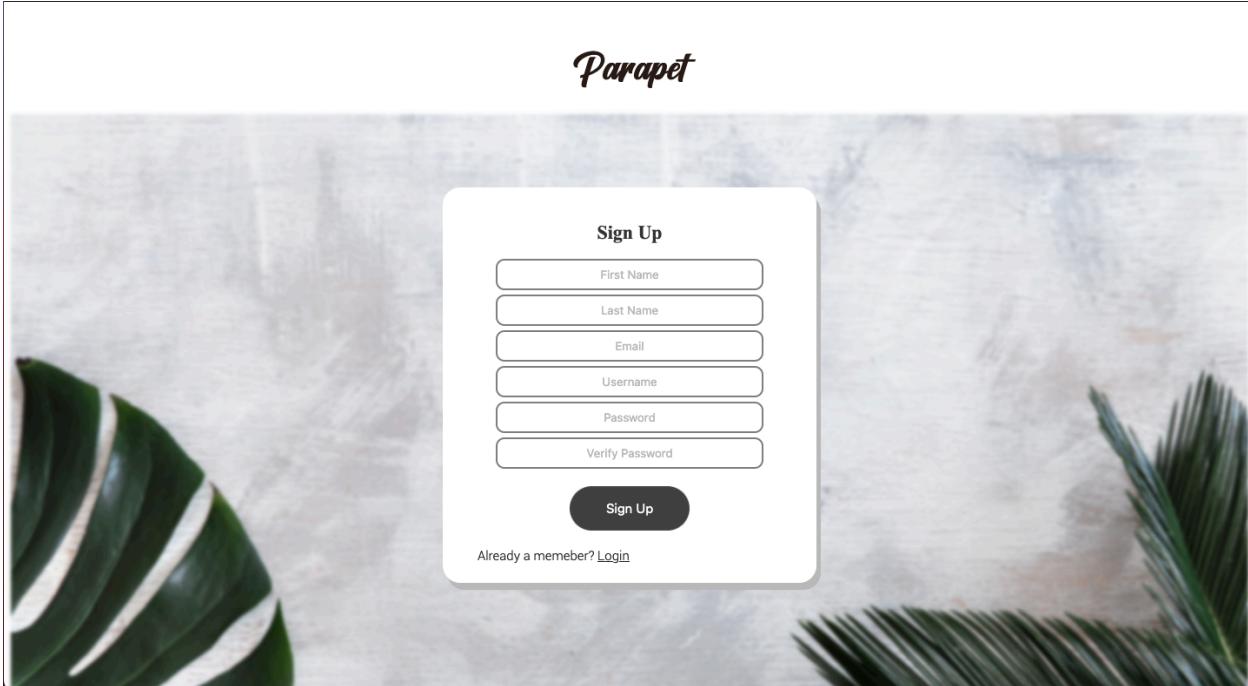


About Us

Empowering the youth to address socioeconomic issues and help bring change to build a sustainable, equitable and just future and to set the tone for the years ahead.



User Login / Signup:



Feed/ Home Page:

The screenshot shows the Parapet.org social feed page at localhost:8000/social/. The interface has a dark blue header with the Parapet.org logo and a search bar. On the left, a sidebar menu includes Home, Articles, Messages, Settings, and Logout. The main content area displays four user posts in a grid:

- Nikhil Mathew** posted on July 22, 2021, 6:48 a.m.: "The economic conditions of Mozambique is really poor".
Replies: 2, Likes: 2.
- Nikitha Lal** replied on July 22, 2021, 6:35 a.m.: "@LapseCobra yes they truly are :(.
Likes: 3.
- Rahul Prakasha** posted on July 22, 2021, 6:29 a.m.: "Flash Floods in Germany are devastating...
Likes: 1.
- Nikhil Abraham** posted on July 22, 2021, 6:25 a.m.: "hey guys, Nikhil here.
Likes: 0.

On the right, there are sections for "Top Stories" and "Newsletters", and a "People you may know ..." list featuring LapseCobra, Lal_Nikitha, and nick_mathews.

Top Stories Page:

The screenshot shows the Parapet.org top stories page. The layout is similar to the feed page, with a sidebar menu on the left and a main content area on the right. In the main area, there are two large video thumbnails:

- A BBC news broadcast featuring a male anchor in a suit standing in front of a studio set with multiple screens displaying different news stories.
- A video showing a close-up of a large military gun barrel pointing towards a rocky landscape.

Explore Page with Articles:

The screenshot shows a dark-themed web application. On the left is a sidebar with a logo 'Parapet.org' and navigation links: Home, Articles (which is selected), Messages, Settings, and Logout. The main content area has a search bar with placeholder 'Search:' and a magnifying glass icon. Below it is a green button labeled 'Post Article'. A news article titled 'What caused the devastating floods in Germany?' is displayed. The article by @Nikhil Mathew was posted on July 22, 2021, at 6:42 a.m. The text describes the flooding in Germany, mentioning Schuld and the European Union's climate goals. There is a small preview image of a flooded area.

This screenshot shows the same news article from the previous image, but with several changes. A 'Back' button is now visible at the top left of the article area. An aerial photograph of a flooded residential area is displayed above the text. The text itself is identical to the one in the first screenshot, describing the flooding in Germany and its causes.

Newsletter Page :

The screenshot shows the Parapet.org newsletter interface. On the left is a sidebar with a dark background and white text, featuring the Parapet.org logo at the top, followed by links to Home, Articles, Messages, Settings, and Logout.

The main content area has a dark blue header with the title "Newsletter #1" in white. Below the header is a section titled "CLIMATE CHANGE IS AFFECTING HUMAN LIFE AND HEALTH IN A VARIETY OF WAYS".

The text in this section discusses the impact of climate change on human life and health, mentioning extreme weather events, migration, and the threat to island nations. It also notes the extinction of millions of animal and plant species and the global movement for climate action.

Below this is another section titled "INEQUALITY AND EXCLUSION IN FOCUS".

The text here highlights progress in poverty reduction, increased life expectancy, and improved access to education and health services. However, it also points out persistent gender inequality and its role in conflicts, and the need to address these issues through transformative progress.

Inbox Page :

The screenshot shows the Parapet.org inbox interface. On the left is a sidebar with a dark background and white text, featuring the Parapet.org logo at the top, followed by links to Home, Articles, Messages, Settings, and Logout.

The main content area has a dark blue header with a search bar and a user profile for "Nikhil Abraham".

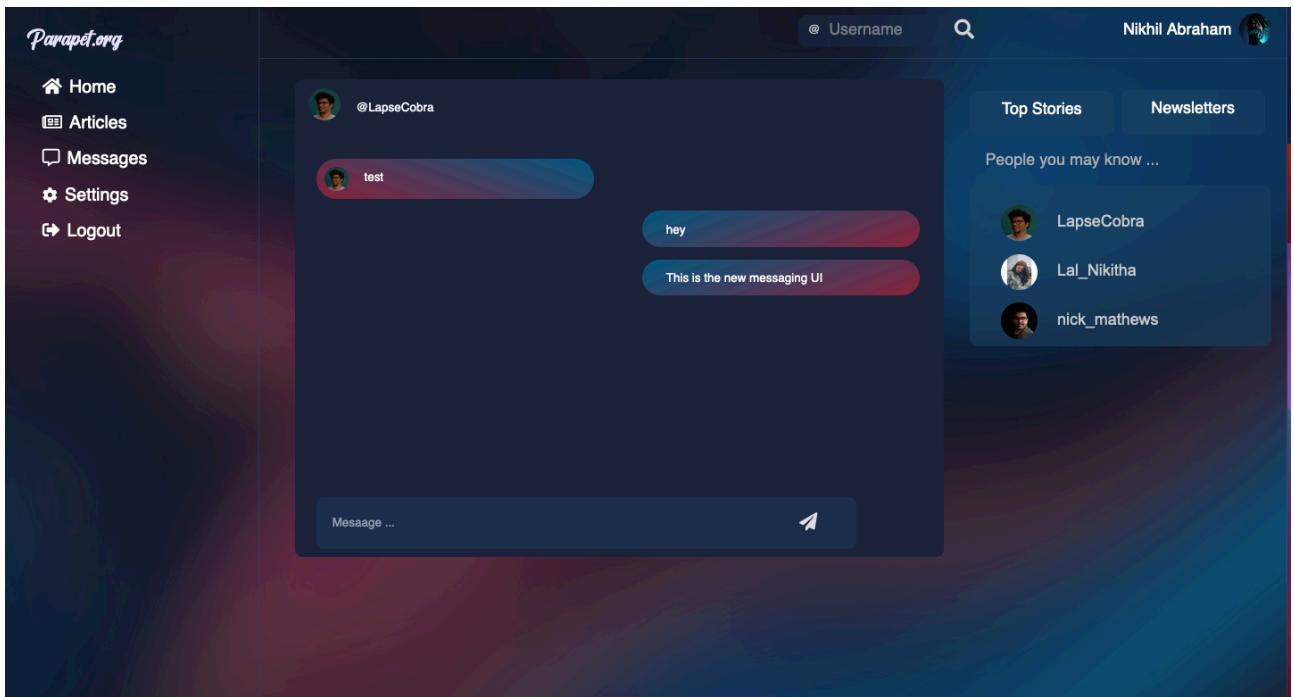
The inbox list shows three messages:

- "admin to nick_mathews"
- "admin to Lal_Nikitha"
- "LapseCobra to admin"

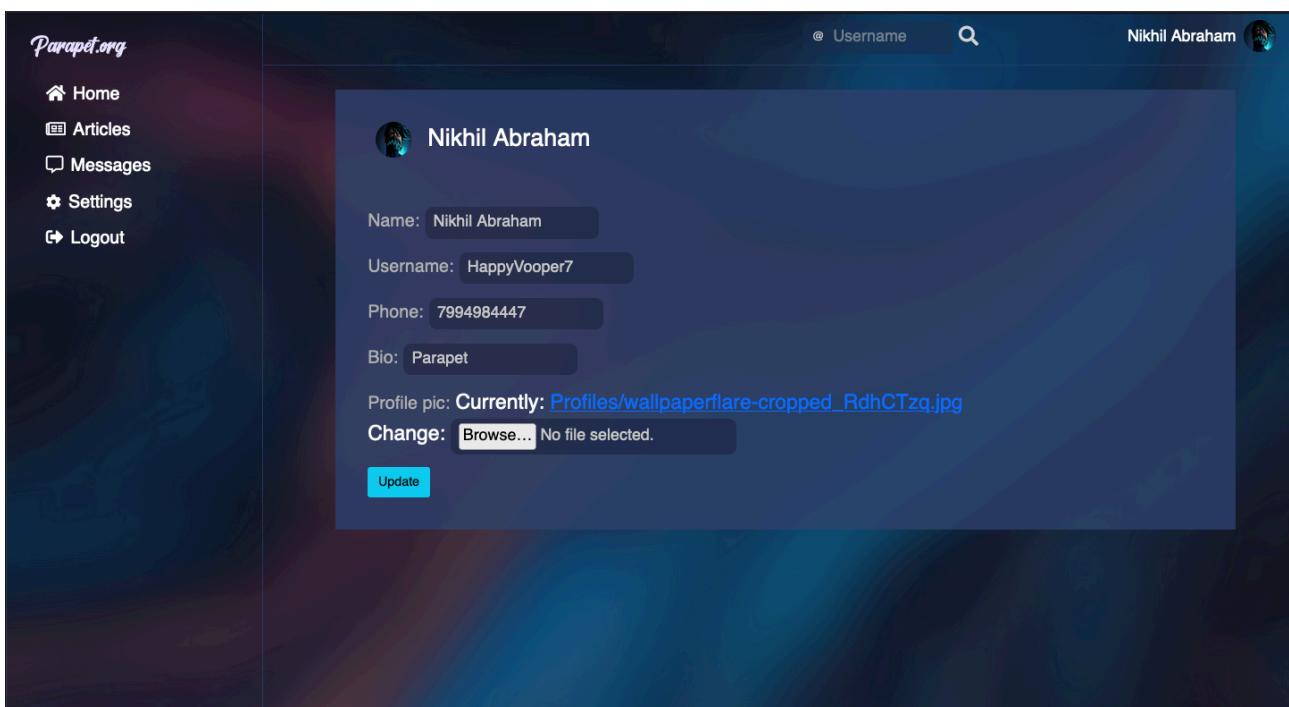
To the right of the inbox is a sidebar titled "People you may know ...". It lists three users with their profiles and names:

- LapseCobra
- Lal_Nikitha
- nick_mathews

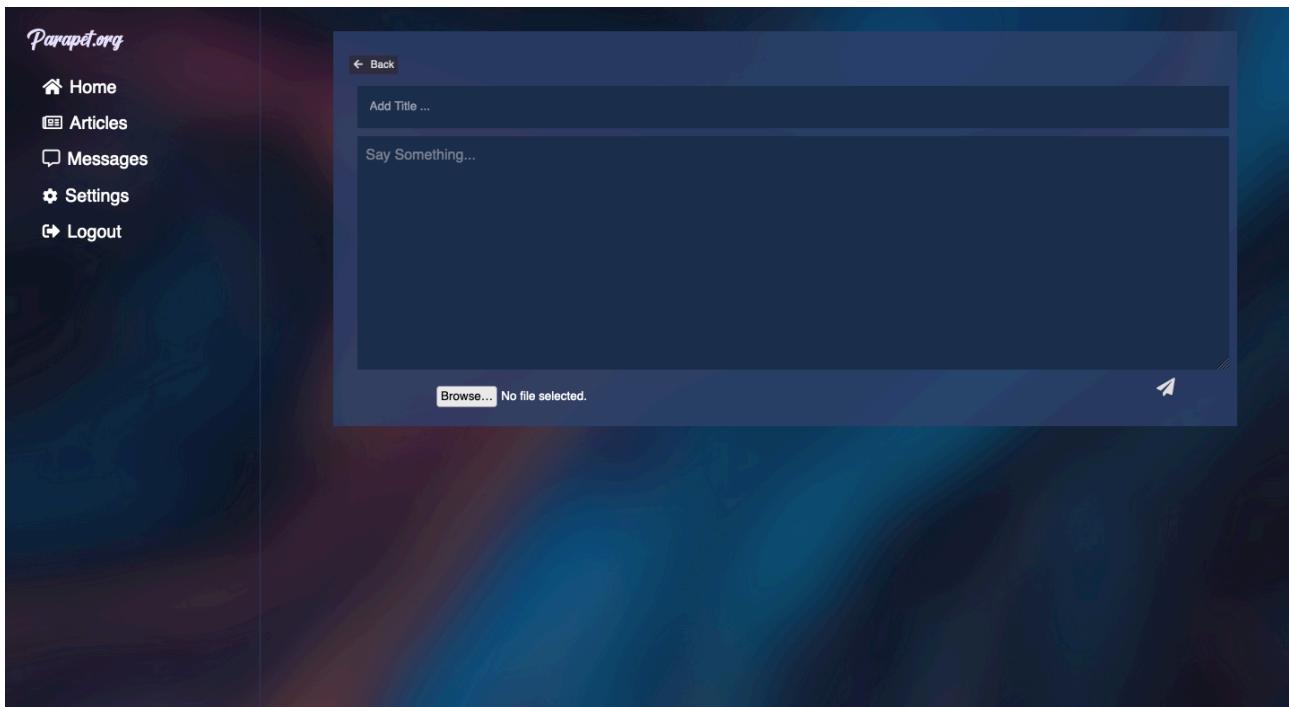
Direct Messages:



Settings Page:



Post Article Page:



7. REFERENCES

- <https://www.w3schools.com/>
- <https://docs.python.org/3/>
- <https://docs.djangoproject.com/en/3.2/>