

Koobecaf

User's Manual

CSCI-P465/565 (Software Engineering I)

Project Team

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1. Product Overview

We are living in the era where social is new norm for all people. People interact with each other through social platforms which wasn't the case few decades ago. With time, various social media platforms have become more complicated with not much needed features for all types of users. We're trying to solve this problem by implementing a simple version of a social media application with basic features which could be used by users on a daily basis.

With Koobecaf, we're trying to implement a minimalistic social media platform wherein users can interact with one another. It comprises of basic features. Users can create their accounts easily, Post what's on their mind and communicate with people through direct message, for the comfort of their eyes can switch to dark mode.

2. System Requirements

Software Requirements :

- Server : We would require systems running the following servers:

- A. Node.js : One Nodejs is an open source cross-platform runtime environment for running javascript files outside a web browser. Node Js runtime serves as the frontend of the application.
- B. Python : One python runtime for running the Django framework of python would be required. Django framework serves for handling the backend calls of the application.
- User Interface : The UI of the application can be accessed from most of the well known browsers such as :
 - Microsoft Edge
 - Google Chrome
 - Mozilla Firefox
- Support for server application : Several third party libraries were used by backend and frontend frameworks. All the third party libraries are well known in the market and provide industry standards with respect to security and are specified in the requirements.txt file and package.json file respectively.
- Platform : No restriction on the Platform front as long as the requirements specified above are satisfied. Development of the product was done on Ubuntu and Macintosh systems.

Hardware Requirements :

- Operating System - Windows OS, Linux, MacOS
- Hard Disk Storage - Approximately 1 GB for the application code. Approximately 2 GB for storing files as per the requirement of the user.
- RAM - 4GB (Minimum Requirement)
- Processor - Intel Dual Core / Mac M1 (Minimum Requirement)

3. Product Installation

Provide a sequence of steps that details how to install the product. Assume that the software product has just been handed to you on the media you provide. Detail exactly how to install the software onto a system. If your software depends on the presence of other software support packages, detail how to install those packages or provide a link to a website that provides this detail (for example, if your software requires Python to run, provide a link to the Python installation web site).

Product installation consist of 2 phases :

Frontend :

- First install nodejs from the url : <https://nodejs.org/en/download/>
- Once nodejs is installed properly, Go to the project folder named team13-socialmedia —> frontend, Open terminal under the current folder and run the following command :


```
npm -i install next
```
- Running this command will install all the required frontend libraries and modules for the project.
- Once done, run the following command on the terminal to start the frontend server.


```
npm run dev
```

Backend :

- Install python from the official python distribution under <https://www.python.org/downloads/>
- Once Python is installed successfully, navigate to project folder named team13-socialmedia —> backend, Open terminal under the current folder and run the following command :


```
python3 -m pip install --user virtualenv
```

 — For Mac/Linux Users

- **py -m pip install --user virtualenv** — For Windows Users
- This will install virtual environment in the local system. Next step is to create a virtual environment which will be used throughout the project and activate it. For that run the following commands :
 - python3 -m venv env** — For Mac/Linux Users
 - py -m venv env** — For Windows Users

And to activate the environment :

- source env/bin/activate** — For Mac/Linux Users
- .env\Scripts\activate** — For Windows Users
- Run the following command in order to install the dependencies of the backend Django framework:
 - pip install -r requirements.txt**
 - python manage.py migrate**
 - python manage.py makemigrations**
- Once done, run the following command to run the backend server on the system.
 - python manage.py runserver**
- Successful execution of the above steps ensures that the frontend and backend servers are running on different ports in the system. You can then access the application at **http://localhost:3000**

4. Product Operation

- Signup

Koobec@f search Login Signup

Login to View

Signup Page

Email Address
Enter Email

Password
Enter Password

Retype Password
Retype your Password

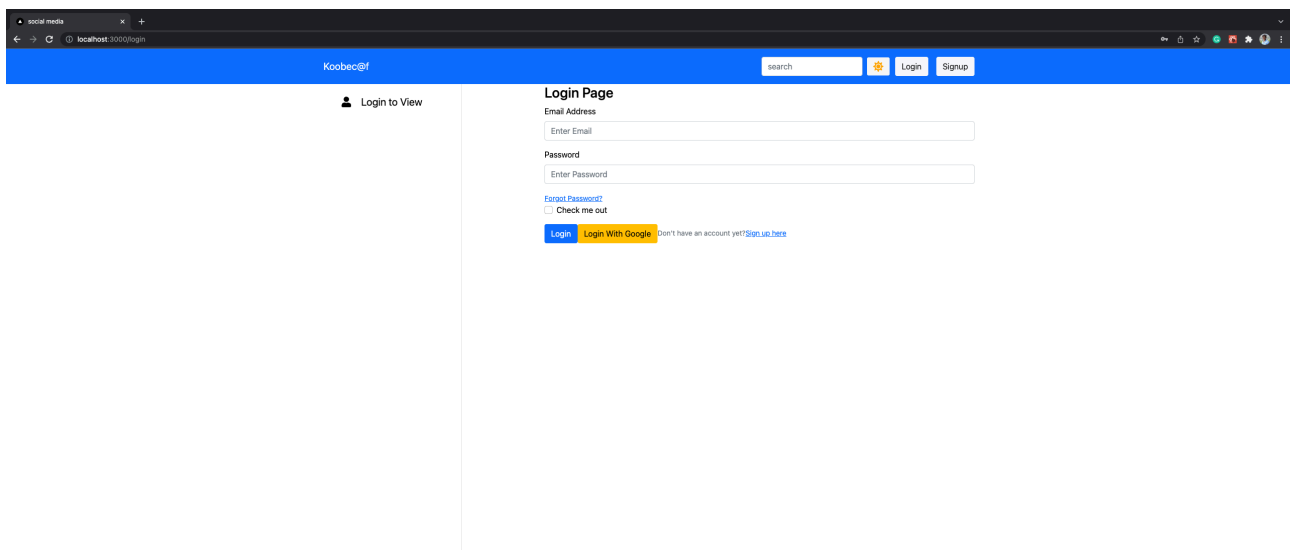
Submit

Already have an activated account? [Login Here](#)

Forget to activate? [Resend activation email](#)

Enter the required fields of email address, password and click on Submit button to create an account. A confirmation mail will be sent to the user in-order to activate the account. Click on the link and then click on Activate account to activate the account.

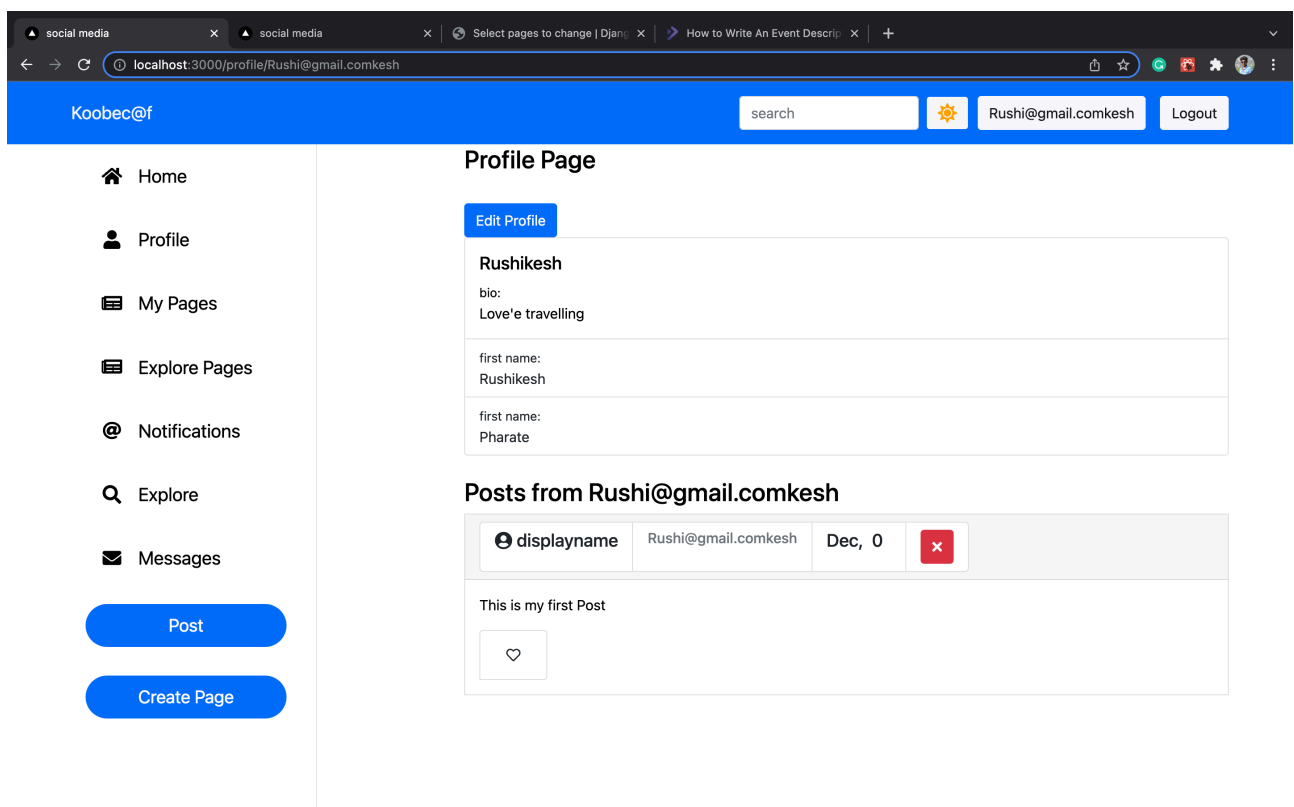
Login



The screenshot shows a web browser window with the URL `localhost:3000/login`. The page has a blue header with the text "Koobec@f" and a search bar. Below the header, there is a "Login Page" section. It contains two input fields: "Email Address" and "Password". Below these fields are links for "Forgot Password?", "Check me out", and "Login". There is also a "Login With Google" button and a link for "Don't have an account yet? Sign up here".

Enter the required fields of username and password to login to the application.

Profile




The screenshot shows a web browser window with the URL `localhost:3000/profile/Rushi@gmail.comkesh`. The page has a blue header with the text "Koobec@f" and a search bar. Below the header, there is a "Profile Page" section. It contains an "Edit Profile" button and a form with the following fields: "Rushikesh", "bio: Love'e travelling", "first name: Rushikesh", and "first name: Pharate". Below the form, there is a section titled "Posts from Rushi@gmail.comkesh" which displays a post with the text "This is my first Post" and a heart icon.

Click on Profile icon, It will redirect to the logged-in user's profile page with user's posts. Click on Edit button to edit the profile info of the user.

New Post

Search..



abc@abc.com

Logout

Create New Post

abc@abc.com

What is on your mind?

Post

Click on Post Icon on the Home Page, Enter the post content and click on Post button for the post to be uploaded successfully to the feed.


New Page along with New Events :

social media x social media x Select pages to change | Django x How to Write An Event Descrip x +

localhost:3000/allpages/IU%20Events


Koobec@f


search





Rushi@gmail.comkesh


Logout


 Home


 Profile

 My Pages

 Explore Pages

 Notifications

 Explore

 Messages

Post

Create Page

IU Events

Page for event details in Indiana University.

Contact : iuevents@gmail.com

Owner : 12

Followers

Follow

Edit

Delete Page

Create Event

My Events

Late Night

Join us for party this friday at IMU

Time: 21:00:00

Date: 2021-12-10

Location : IMU, Indiana University

social media

social media


Select pages to change | Django

How to Write An Event Descrip

localhost:3000/allpages/event/newevent


Koobec@f


search





Rushi@gmail.comkesh


Logout


 Home


 Profile

 My Pages

 Explore Pages

 Notifications

 Explore

 Messages

Post

Create Page

Create New Event

Event Name

Enter Event Name

Event Description

Event Description

Location

Enter Location

Time

--|-- --

Date

mm/dd/yyyy

Submit

Click on Create Page button on the Homepage, Enter the Page details and click on create Page, New page should be visible under My Pages and Explore Pages section. Click on the desired created page, click on create event and enter the relevant event details. Click on Submit. The Event will be displayed under the respective page.

Search..

abc@abc.com

Logout

Messages

New Message

Mohit Murali

S Kini

Search..

abc@abc.com

Logout

Direct Message

convo between: Mohit Murali and S Kini

Hi from Mohit

Hi

How are you?

There?

Hello?

There?

Hello?

Hi from Kini

Hi

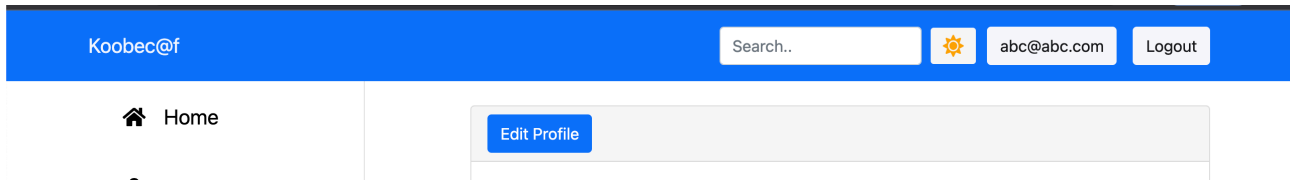
HELLO

Type your message here

Send

Click on Messages button, click on New message button and select the recipient with whom you wish to send a text, Enter the message and click on send button.

Dark Mode :



Click on the Icon besides the search bar to toggle between Light and Dark Modes in the application.

5. Known Defects

Describe any known operational defects associated with the product.

Revision History

Revision	Date	Change Description
1.0	12/01/2021	Initial Version