

# EduBridge



A Project

Report On

## **Tech-Blog Application**

By

**Batch: 2022-7905**

**Center: Trichy-Thillai Nagar**

Under the Guidance of,

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**Technical Trainer**

**EduBridge**

(Digital Academy-Certification  
program in JAVA FULL STACK)

## **Introduction:**

Our Project explains about the Tech kind of Website Name Tech-Blog. This project mainly explains the various actions related to Online Study Notes. In this project the can Add, Update and Delete the Posts. The Posts are divided into **Five Categories** like **JAVA, Machine Learning, Artificial Intelligence, PYTHON and Cyber Security**. A user can select a particular Category in Project.

### **Modules:-**

- Admin Module
- User Module

I have developed this Application in **Java, Hibernate and MySQL**. This is a Web Based Application so I used **HTML, CSS, JavaScript and BootStrap5**.

### **Module Description:**

- ❖ **Admin Module** : In this module, Admin can add, delete and Update the Each Post in Each Categories. They can also view the total number of Post in their Login Website. Admin can also login and logout.
- ❖ **User Module** : In this module, User can access the Website and view the posts in Home page and Each Single Categories and User can give Their Comment in Particular Post and Add a new Post. But if They want to do this all thing Login is necessary.

### **Software Requirements:**

**Front end:** HTML, CSS, JavaScript and Bootstrap 5.

**Back end:** JAVA, Hibernate and MySQL workbench 8.0 CE.

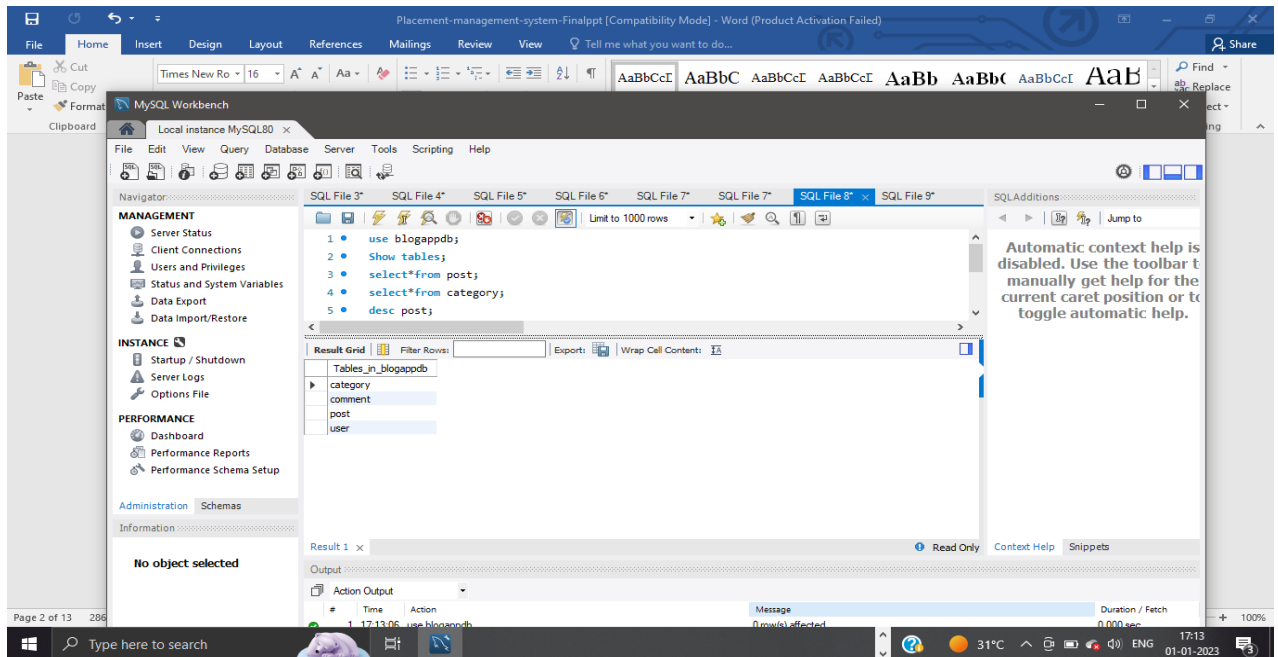
**Frame Work:** Spring Boot for Backend.  
Angular for Frontend.

**Browser:** Best result on Google Chrome

## Operating System: Window

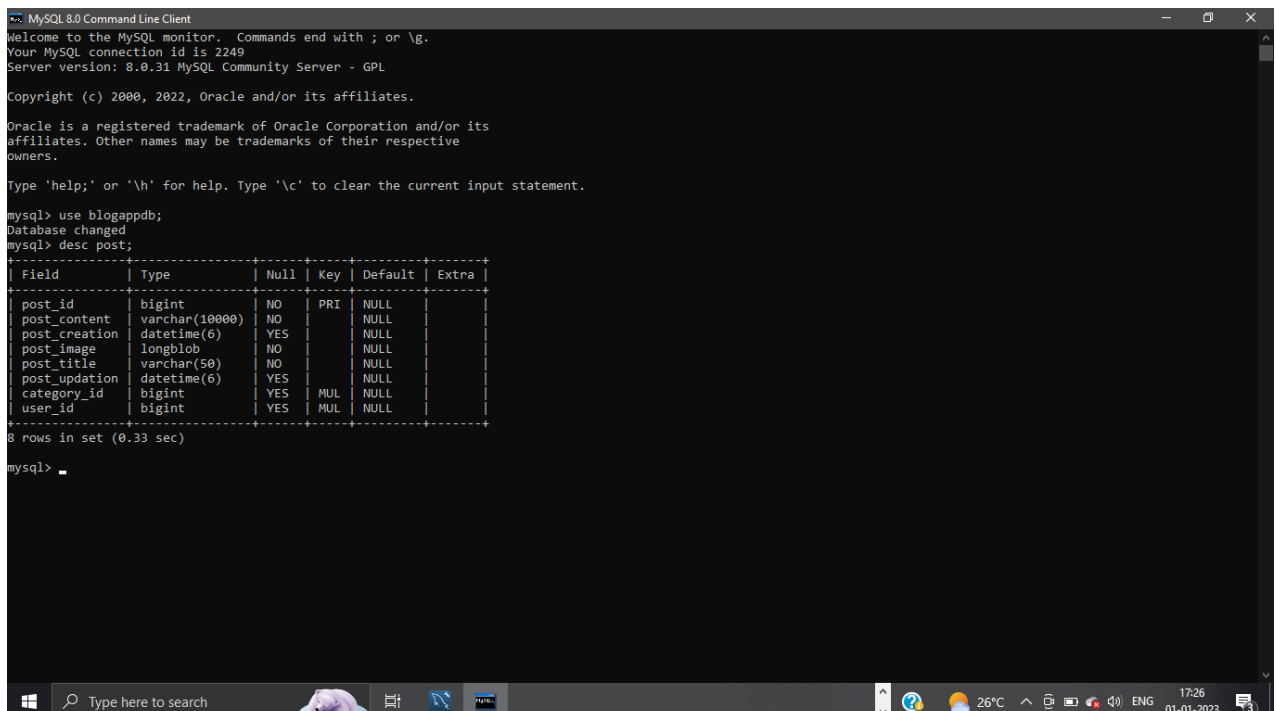
### Data Dictionary:

- Create Database blogappdb;
- Tables of Database blogappdb;



### Screenshot of Tables:

desc post;



desc user;

```
MySQL 8.0 Command Line Client
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2250
Server version: 8.0.31 MySQL Community Server - GPL

Copyright (c) 2000, 2022, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use blogappdb;
Database changed
mysql> desc user;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| user_id | bigint | NO | PRI | NULL |  |
| about | varchar(150) | YES |  | NULL |  |
| dob | datetime(6) | YES |  | NULL |  |
| user_email | varchar(50) | YES | UNI | NULL |  |
| user_name | varchar(100) | NO |  | NULL |  |
| user_password | varchar(20) | YES |  | NULL |  |
| role | varchar(20) | NO |  | NULL |  |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.07 sec)

mysql>
```

desc comment;

```
MySQL 8.0 Command Line Client
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2251
Server version: 8.0.31 MySQL Community Server - GPL

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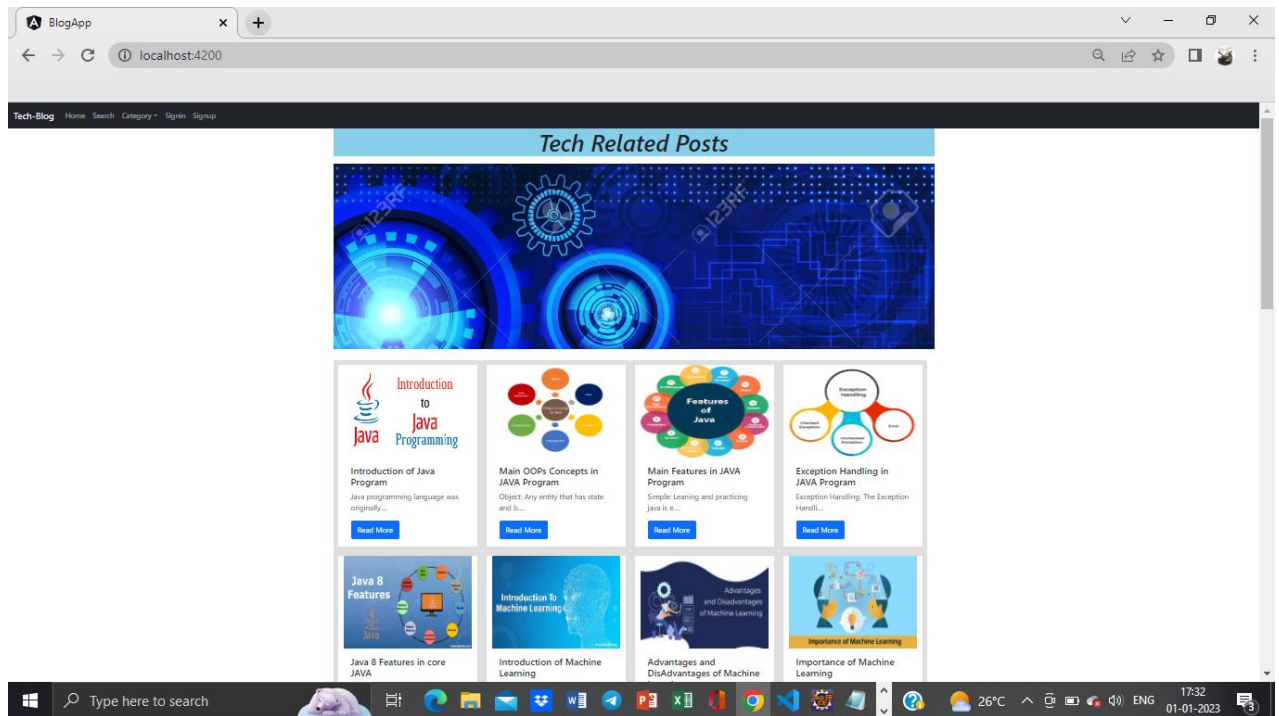
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

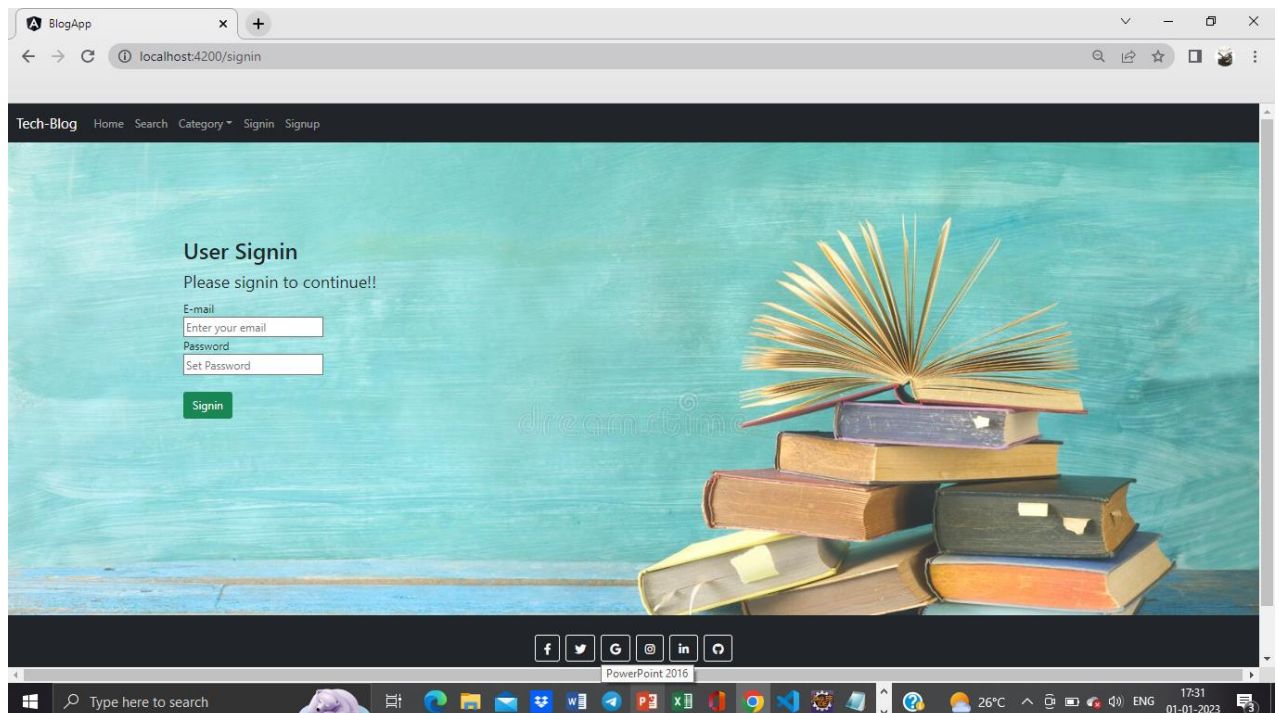
mysql> use blogappdb;
Database changed
mysql> desc comment;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| comment_id | bigint | NO | PRI | NULL |  |
| content | varchar(500) | NO |  | NULL |  |
| post_id | bigint | YES | MUL | NULL |  |
| user_id | bigint | YES | MUL | NULL |  |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.12 sec)

mysql>
```

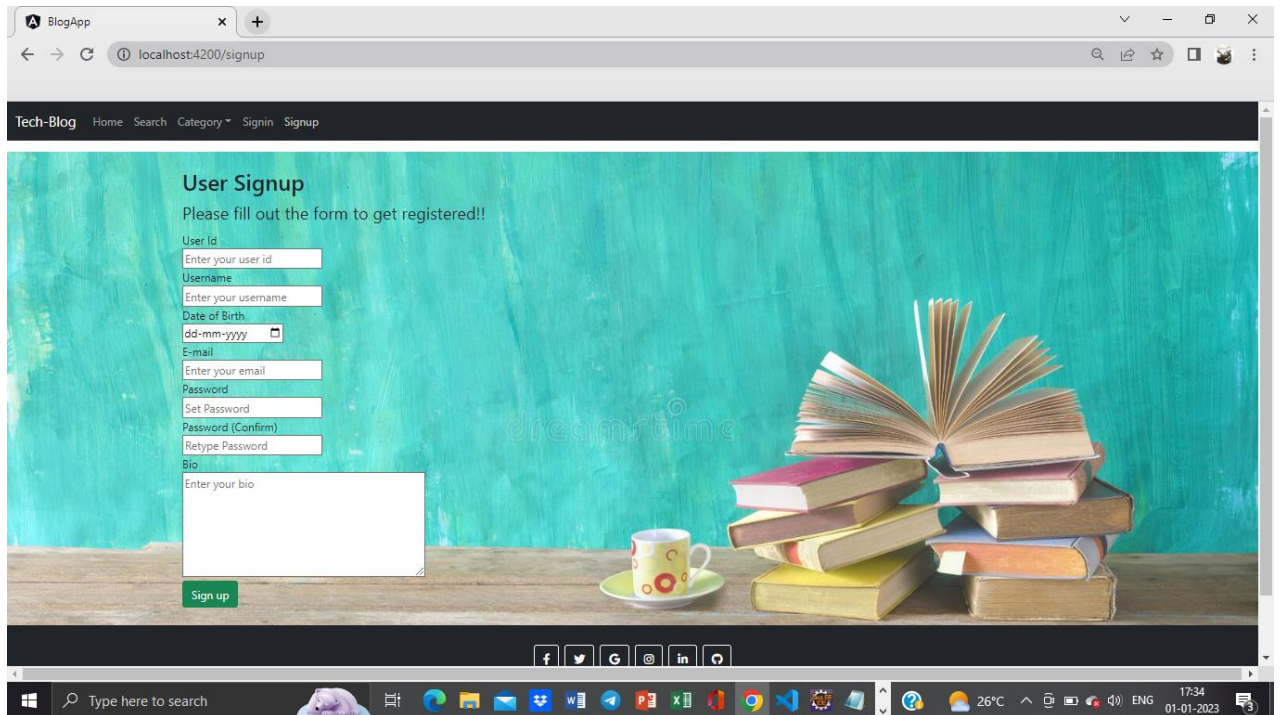
## Home Page:



## SignIn page:



## SignUp Page:



The screenshot shows a web browser window with the address bar displaying "localhost:4200/signup". The page title is "Tech-Blog" and the navigation bar includes links for Home, Search, Category, Signin, and Signup. The main content area is titled "User Signup" and contains a form with the following fields: User id, Username, Date of Birth (with a date picker), E-mail, Password, Set Password, Password (Confirm), Retype Password, and Bio. A green "Sign up" button is located at the bottom left of the form. The background of the form area features a stack of books and a cup of coffee on a wooden surface. The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray information including temperature (26°C), time (17:34), and date (01-01-2023).

**User Signup**  
Please fill out the form to get registered!!

User id  
Enter your user id

Username  
Enter your username

Date of Birth  
dd-mm-yyyy

E-mail  
Enter your email

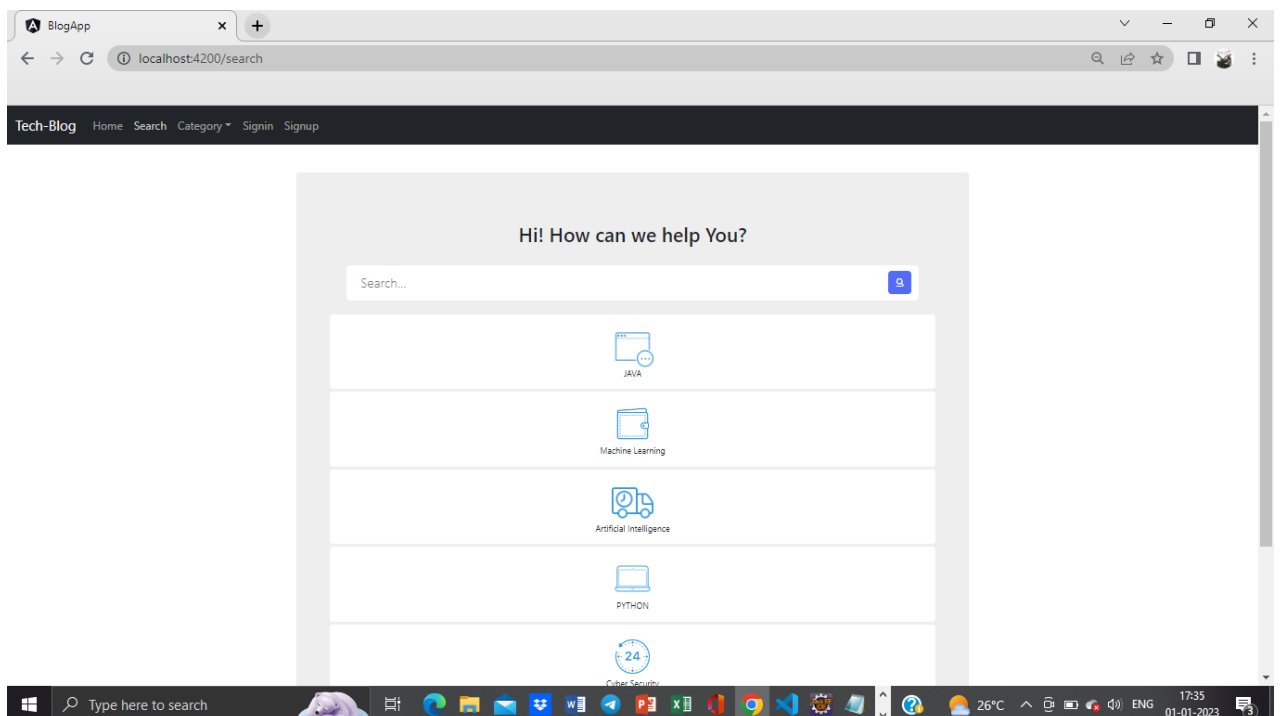
Password  
Set Password

Password (Confirm)  
Retype Password

Bio  
Enter your bio

**Sign up**

## Search Page:



The screenshot shows a web browser window with the address bar displaying "localhost:4200/search". The page title is "Tech-Blog" and the navigation bar includes links for Home, Search, Category, Signin, and Signup. The main content area is titled "Hi! How can we help You?" and contains a search bar with the placeholder text "Search...". Below the search bar, there is a list of categories: JAVA, Machine Learning, Artificial Intelligence, PYTHON, and Cyber Security. Each category is represented by an icon and a text label. The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray information including temperature (26°C), time (17:35), and date (01-01-2023).

**Hi! How can we help You?**

Search...

JAVA

Machine Learning

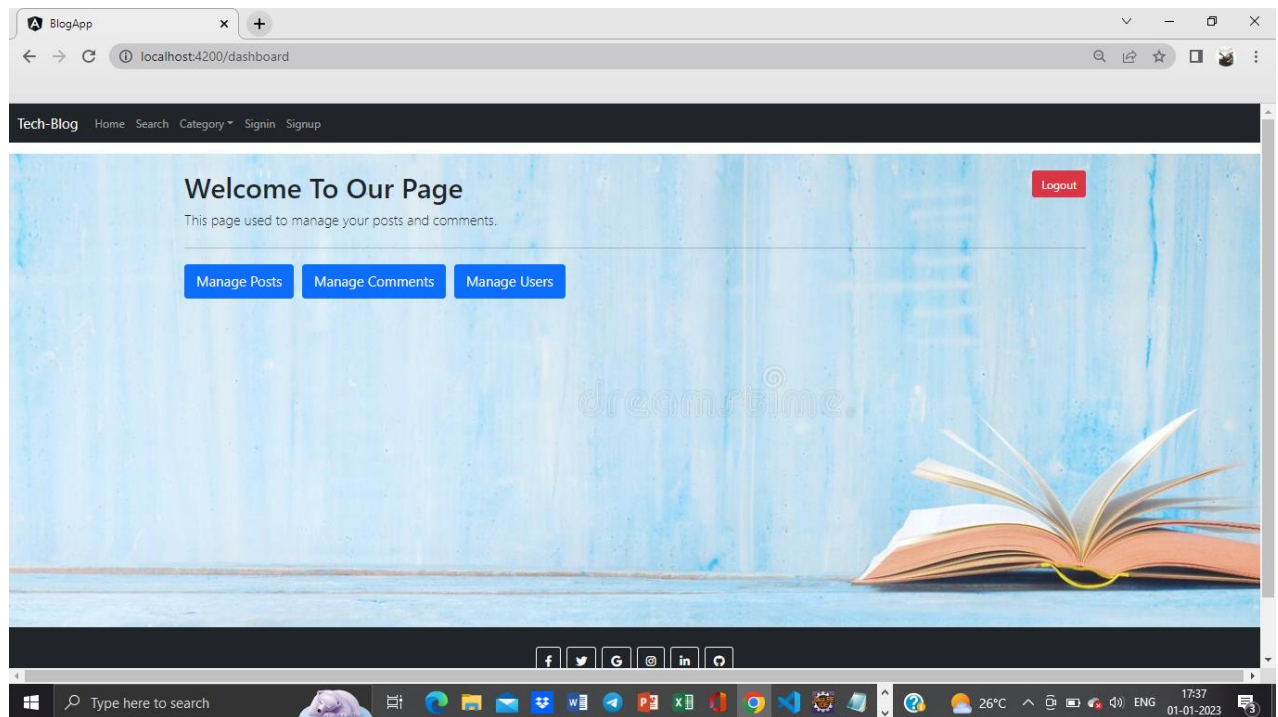
Artificial Intelligence

PYTHON

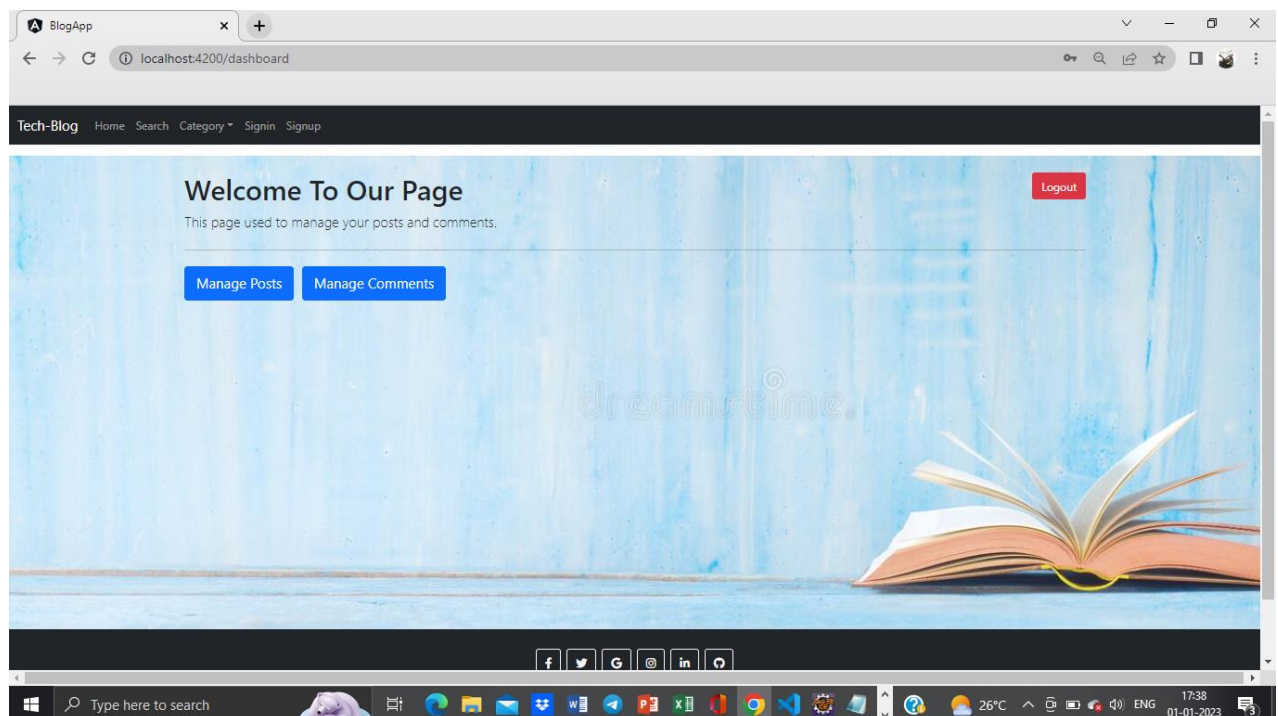
Cyber Security



## DashBoard Page: For Admin



## DashBoard Page: For User



## Add Post Page:

BlogApp

localhost:4200/add-post

Tech-Blog Home Search Category Signin Signup

### Add New Post

Logout

Manage Posts Manage Comments

**Add New Post**

Post Id  
Enter post Id

Post Title  
Enter post title

Post Content  
Enter post Content

Post Image  
Choose File No file chosen

Category  
Open this select menu

Add New Post Reset

Type here to search

26°C 17:43 01-01-2023

## Update Post Page:

BlogApp

localhost:4200/update-post/1236

Tech-Blog Home Search Category Signin Signup

### Update Post

Logout

Manage Posts Manage Comments

**Update Post**

Post Id  
1236

Post Title  
Main Features in JAVA Program

Post Content  
Simple: Leaning and practicing java is easy because of resemblance with c and C++.  
Object Oriented Programming Language: Unlike C++, Java is purely OOP.

Post Image  
Choose File No file chosen

Category  
Java

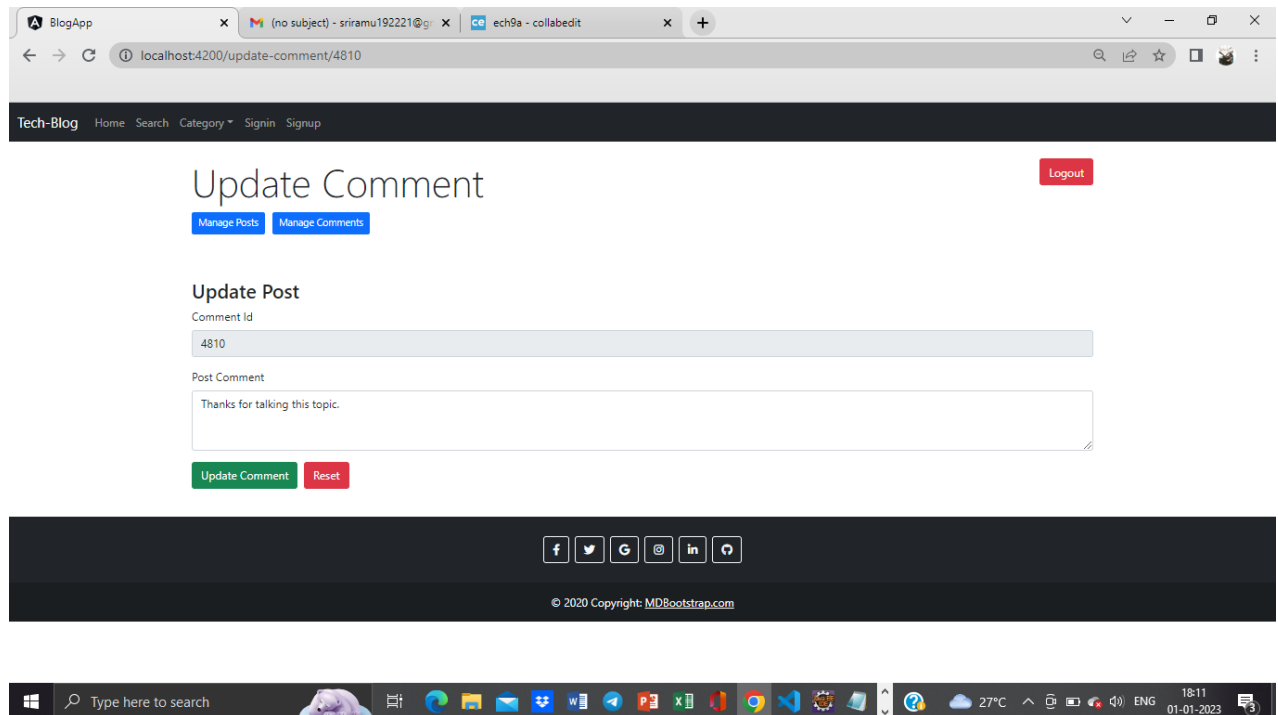
Update Post Reset

Type here to search

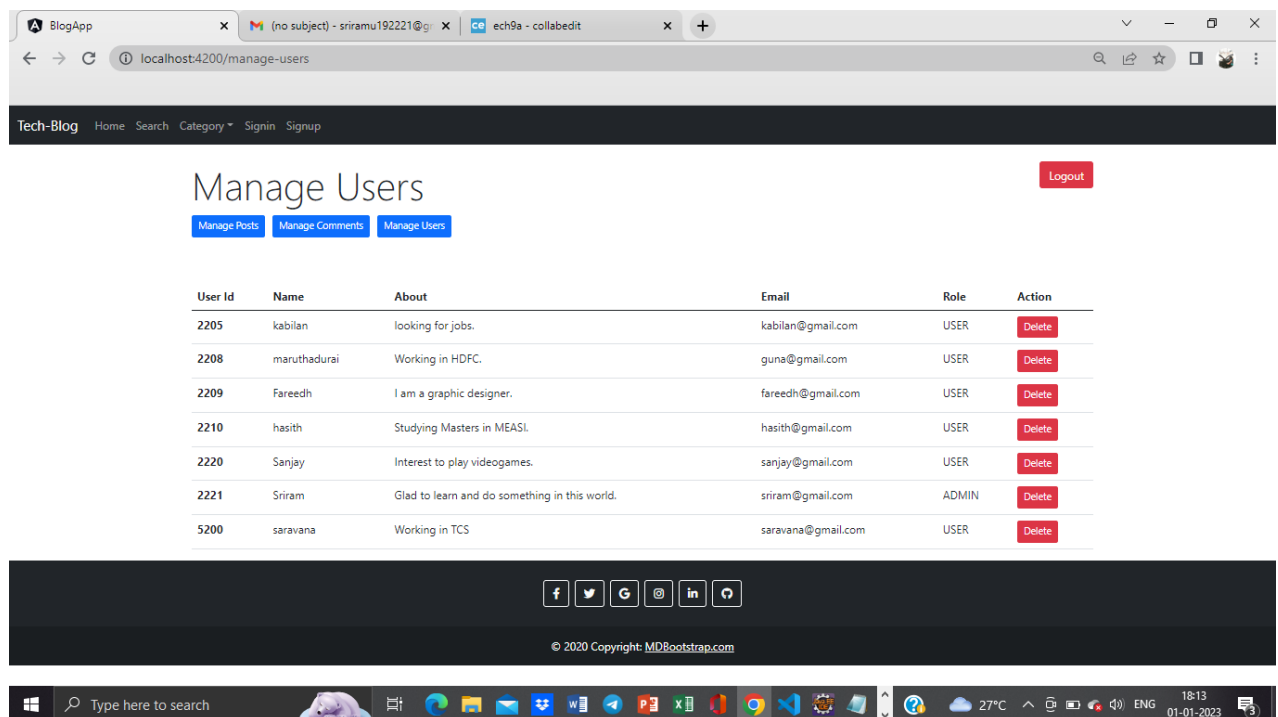
26°C 17:42 01-01-2023



## Update Comment Page:



## Manage User: For Admin



## Manage Post: For Admin

BlogApp (no subject) - sriramu192221@g... ech9a - collabedit

localhost:4200/manage-posts

Tech-Blog Home Search Category Signin Signup

### Manage Post

This page is used for manage your post

Logout

Manage Posts Manage Comments Manage Users

Add Post

Post Id	Image	Title	Creation Date	Updation Date	Action
1234		Introduction of Java Program	2022-12-21T06:31:34.404+00:00	2022-12-30T11:25:20.290+00:00	<button>Update</button> <button>Delete</button>
1235		Main OOPs Concepts in JAVA Program	2022-12-21T06:37:26.626+00:00	2022-12-30T14:23:03.582+00:00	<button>Update</button> <button>Delete</button>
1236		Main Features in JAVA Program	2022-12-21T06:47:57.195+00:00	2022-12-21T06:47:57.195+00:00	<button>Update</button> <button>Delete</button>
1237		Exception Handling in JAVA Program	2022-12-21T06:52:37.298+00:00	2022-12-21T06:52:37.298+00:00	<button>Update</button> <button>Delete</button>
1238		Java 8 Features in core JAVA	2022-12-28T12:17:49.440+00:00	2022-12-30T11:12:52.451+00:00	<button>Update</button> <button>Delete</button>
1241		Introduction of Machine Learning	2022-12-21T06:56:23.699+00:00	2022-12-21T06:56:23.699+00:00	<button>Update</button> <button>Delete</button>
1242		Advantages and DisAdvantages of Machine Learning	2022-12-21T10:18:24.038+00:00	2022-12-21T10:18:24.038+00:00	<button>Update</button> <button>Delete</button>
1243		Importance of Machine Learning	2022-12-21T07:09:55.873+00:00	2022-12-21T07:09:55.873+00:00	<button>Update</button> <button>Delete</button>
1244		Classification of Machine Learning	2022-12-29T14:35:39.505+00:00	2022-12-29T14:35:39.505+00:00	<button>Update</button> <button>Delete</button>
1245		Application of Machine Learning	2022-12-30T14:45:16.314+00:00	2022-12-30T14:45:16.314+00:00	<button>Update</button> <button>Delete</button>

Type here to search

27°C 18:16 01-01-2023

## Manage Post: For User

BlogApp (no subject) - sriramu192221@g... ech9a - collabedit

localhost:4200/manage-posts

Tech-Blog Home Search Category Signin Signup

### Manage Post

This page is used for manage your post

Logout

Manage Posts Manage Comments

Add Post

Post Id	Image	Title	Creation Date	Updation Date	Action
1236		Main Features in JAVA Program	2022-12-21T06:47:57.195+00:00	2022-12-21T06:47:57.195+00:00	<button>Update</button> <button>Delete</button>
1251		Introduction of Artificial Intelligence	2022-12-21T07:18:52.010+00:00	2022-12-21T07:18:52.010+00:00	<button>Update</button> <button>Delete</button>
1254		Application of Artificial Intelligence(AI)	2022-12-29T15:18:25.748+00:00	2022-12-30T14:15:58.995+00:00	<button>Update</button> <button>Delete</button>
1255		Types of Artificial Intelligence	2022-12-29T15:22:43.451+00:00	2022-12-29T15:22:43.451+00:00	<button>Update</button> <button>Delete</button>
1271		Introduction of Cyber Security	2022-12-23T14:32:39.415+00:00	2022-12-23T14:32:39.415+00:00	<button>Update</button> <button>Delete</button>
1275		Steps of Cyber Security	2022-12-23T14:57:05.467+00:00	2022-12-23T14:57:05.467+00:00	<button>Update</button> <button>Delete</button>

Type here to search

27°C 18:18 01-01-2023

## Manage Comment: For Admin

The screenshot shows a web browser window with the URL `localhost:4200/manage-comments`. The page has a dark header with 'Tech-Blog' and navigation links. The main content area is titled 'Manage Comments' with a subtitle 'This page is used for manage your comment'. There are two tabs: 'Manage Posts' and 'Manage Comments'. Below the tabs is a table with the following data:

Id	Comment	Post Title	Action
4810	Thanks for talking this topic.	Main Features in JAVA Program	<a href="#">Update</a> <a href="#">Delete</a>

At the bottom, there are social media icons for Facebook, Twitter, GitHub, Instagram, LinkedIn, and YouTube, followed by a copyright notice: '© 2020 Copyright: MDBootstrap.com'.

## Manage Comment: For User

User can only Change their comment:

This screenshot is identical to the one above, showing the 'Manage Comments' page for an admin user. The table contains one comment with the ID 4810, the text 'Thanks for talking this topic.', and the post title 'Main Features in JAVA Program'. The 'Action' column shows 'Update' and 'Delete' links. The page layout, including the header, tabs, and footer, is the same.

**\*\*Thank You\*\***