EduBridge

A Project

Report On

Tech-BLOG

By

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(Digital Academy – Certification program
in Java Full Stack)

INTRODUCTION:

The projects while learning a programming language is really fun and exciting. We are going to make a simple Tech Blog project using Spring Boot REST Api. It's possible to make a complete functional blog project and GUI in java. In our simple Tech Blog project, the user can see post , comment .But to add post, add comment, update post, update comment they have to first signup and signin to the user account.

MODULES:

1. **Admin Module** ❼ In Admin module , the admin can check the users account, post, comments and the admin can manage users, manage posts, manage comments for the existing account of the user.
2. **User Module** ❼ In User module, the user can view the post, comment of the posts. And the user need to add the new post and comment, they must to signup and signin their account to further proceed in the application.

I have developed this Application in **Java, JSP, Servlets, Hibernate and MySQL.** It's a web-based projects so I have used **HTML, CSS, JavaScript and Bootstrap ,Thymleaf**.

The main objective of the Tech blog is to view the post and comments of the Tech category like Java, Python, C, C++ , Data Science etc… When the user need to add the new post and add comment for the existing post , they must have to signup the account .Now the user can do add post , add

comment. And they can update post their own post in available category. In Admin module, admin can add more category in the website. Admin can only see the admin page and the user have do any vulgur comments and posts, the admin can remove from the account .

SOFTWARE REQUIREMENTS:

- **Frontend**   **:** Java/J2EE technologies (Servlet, JSP), HTML, CSS,JavaScript, Bootstrap, Thymleaf, Hibernate.
- **Backend**   **:** MySQL Workbench 8.0 C E .
- **Middleware/ Server :** Apache Tomcat v8.5. IDE: Spring tool suite for
- Java EE Developers
- **Browser**   **:** Google Chrome
- **Operating system**   **:** Windows 11

MySQL - Data Dictionary :

• Create database blogappdb


```
mysql> use blogappdb;
Database changed
mysql> show tables;
+--------------------+
| Tables_in_blogappdb |
+--------------------+
| category           |
| comment            |
| post               |
| user               |
+--------------------+
4 rows in set (0.59 sec)

mysql> desc post;
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| post_id        | bigint       | NO   | PRI | NULL    |       |
| post_content   | varchar(400) | NO   |     | NULL    |       |
| post_creation  | datetime(6)  | YES  |     | NULL    |       |
| post_image     | longblob     | NO   |     | NULL    |       |
| post_title     | varchar(50)  | NO   |     | NULL    |       |
| post_updation  | datetime(6)  | YES  |     | NULL    |       |
| category_id    | bigint       | YES  | MUL | NULL    |       |
| user_id        | bigint       | YES  | MUL | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
8 rows in set (0.22 sec)

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(30)  | NO   |     | NULL    |       |
+---------------+--------------+------+-----+---------+-------+
```



```
mysql> desc post;
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| post_id        | bigint       | NO   | PRI | NULL    |       |
| post_content   | varchar(400) | NO   |     | NULL    |       |
| post_creation  | datetime(6)  | YES  |     | NULL    |       |
| post_image     | longblob     | NO   |     | NULL    |       |
| post_title     | varchar(50)  | NO   |     | NULL    |       |
| post_updation  | datetime(6)  | YES  |     | NULL    |       |
| category_id    | bigint       | YES  | MUL | NULL    |       |
| user_id        | bigint       | YES  | MUL | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
8 rows in set (0.22 sec)

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(30)  | NO   |     | NULL    |       |
+---------------+--------------+------+-----+---------+-------+
7 rows in set (0.00 sec)

mysql> desc category;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| category_id   | bigint      | NO   | PRI | NULL    |       |
| category_name | varchar(20) | NO   | UNI | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
2 rows in set (0.00 sec)

mysql>
```

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Screenshots :

• Home Page :

Tech - Blog   Home   Category ▾   Signup   Signin   Search

Tech Related Blogs

Tech Blog

Technical blog writing is a form of content writing which is more focused on engaging the audience with articles of high quality and getting more traffic to the websites. Technical bloggers write on topics with fine details of technical operations and focus on what the audience is interested in technology.

Java
Java is a popular programming language. Java is u...
Read More

C
C is Structured language...
Read More

Python
Python is high level programming...
Read More

MYSQL
MySQL is an open-source relational database manage...
Read More

DataScience
Data science combines math and statistics, special...
Read More

CSS
Cascading Style Sheets is a style sheet language u...
Read More

cloud computing
cloud computing is the delivery of computing servi...
Read More

HTML
The HyperText Markup Language or HTML is the stand...
Read More

C++
C++ is a general-purpose programming language and ...
Read More
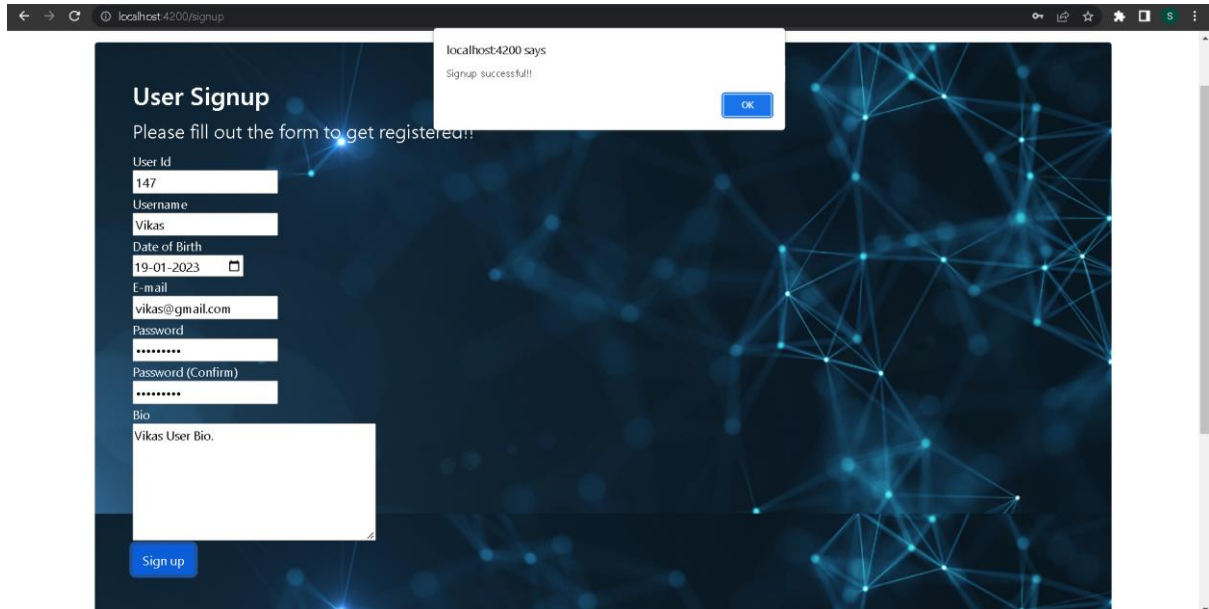
Machine Learning
Machine learning is a subfield of artificial intel...
Read More

Cyber Security
Cyber security can be described as the collective ...
Read More

Users :

- SignUp Page :

- SignIn Page :

- Dashboard Page :

- Add new Post :
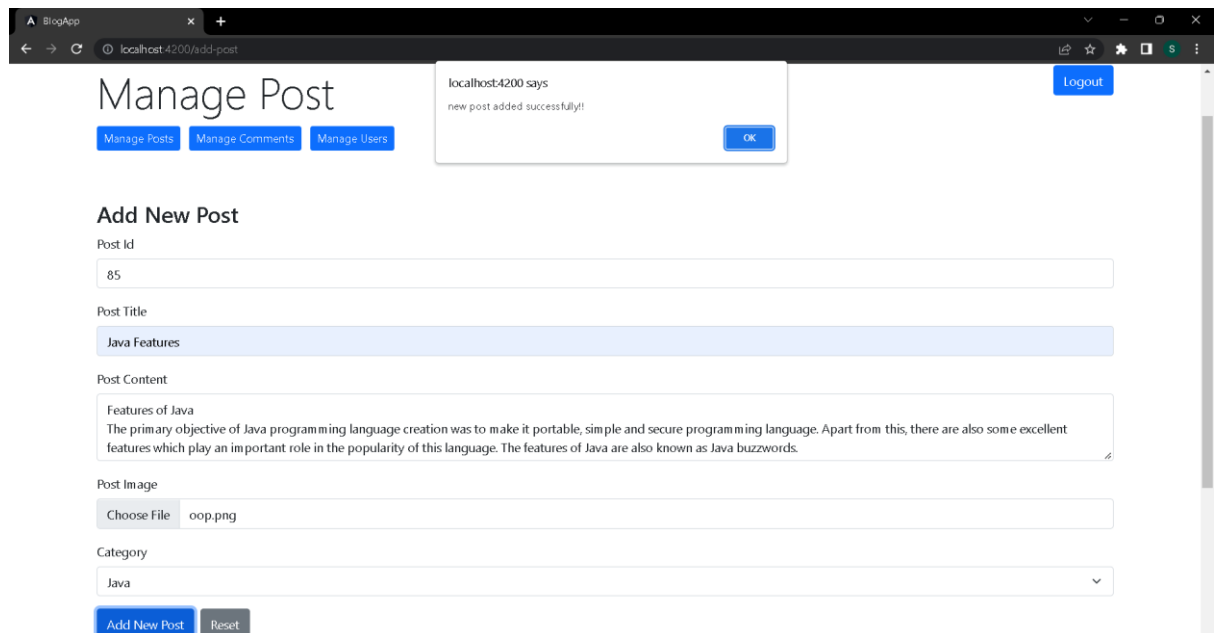
- Add new Comment :
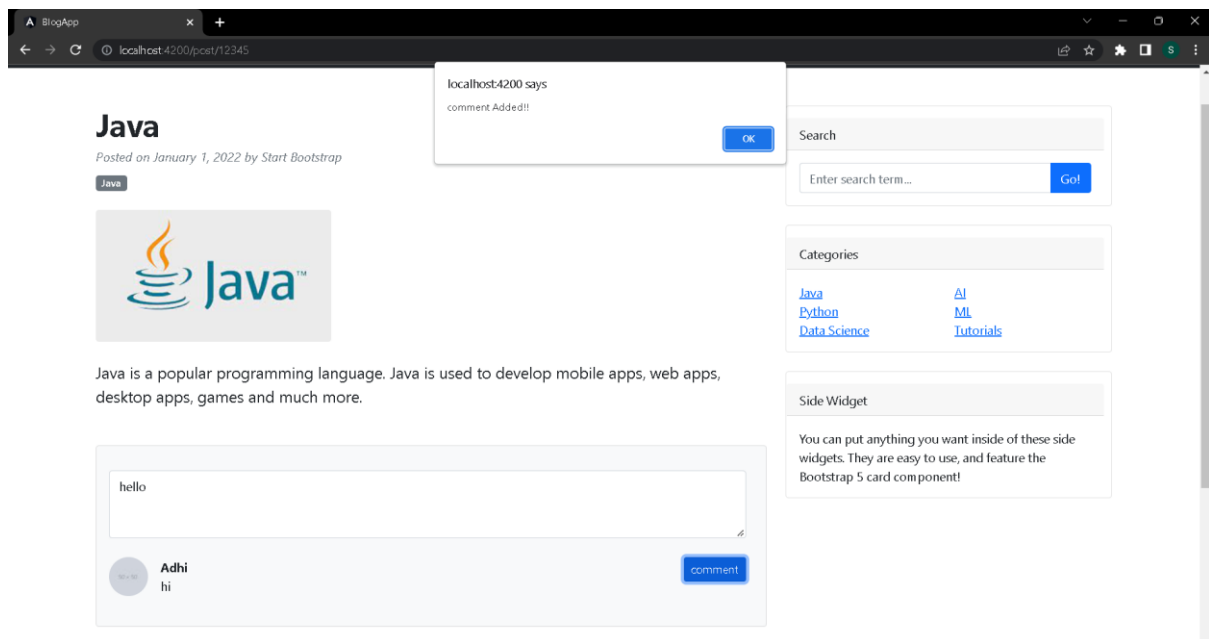
- Search Post by Post name :
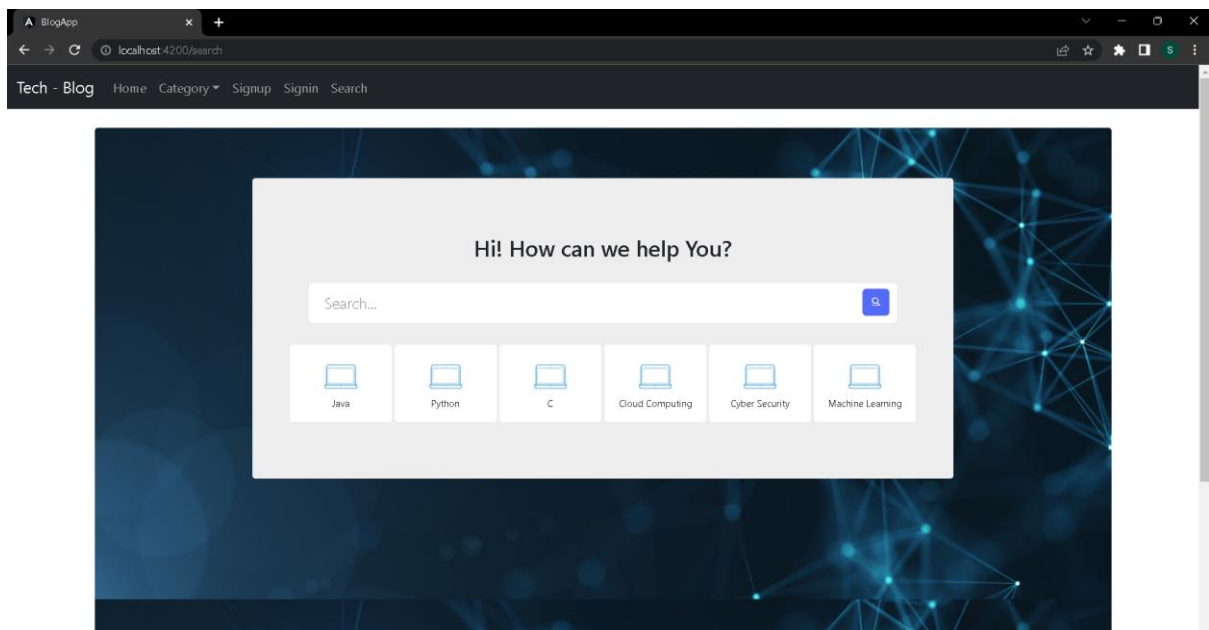
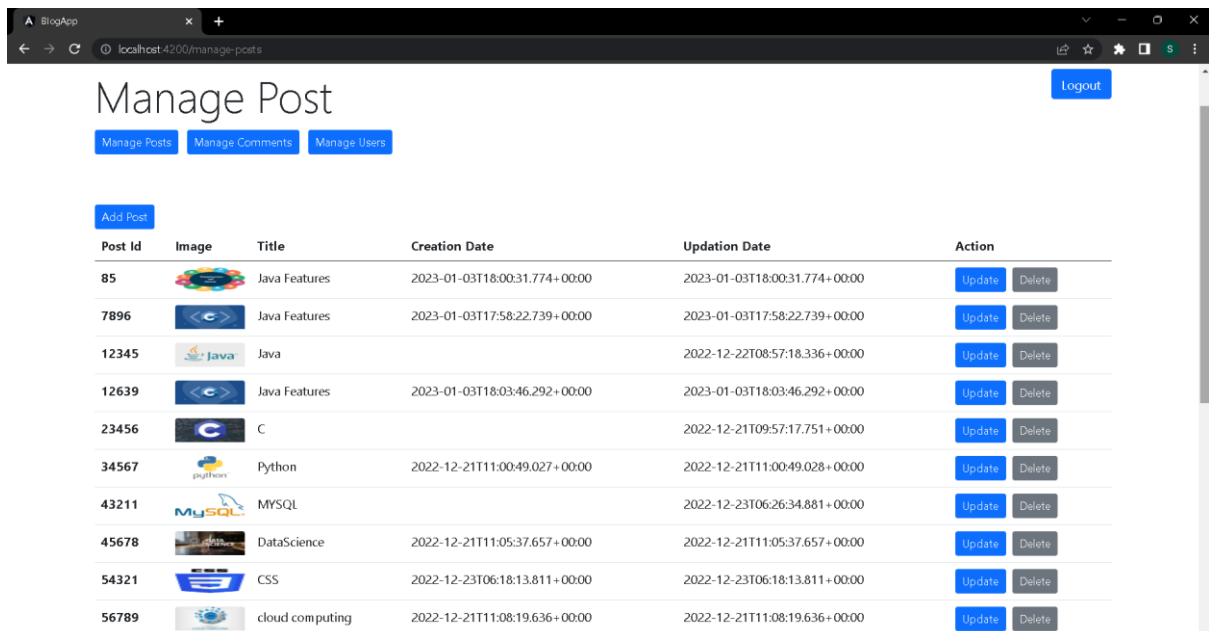- User Delete their own post :
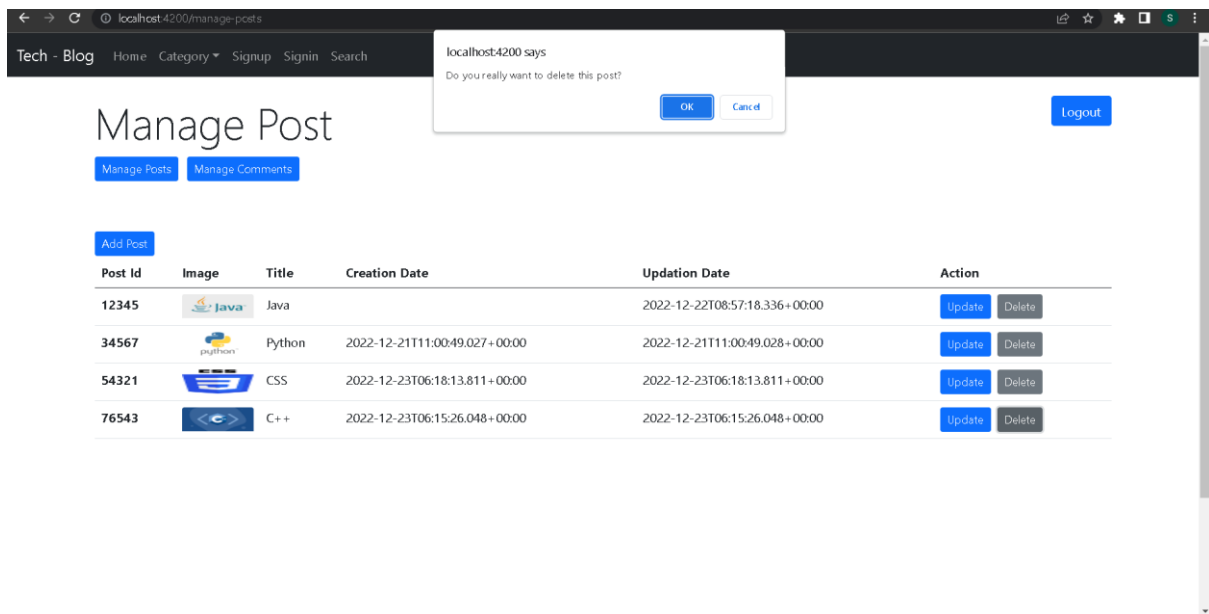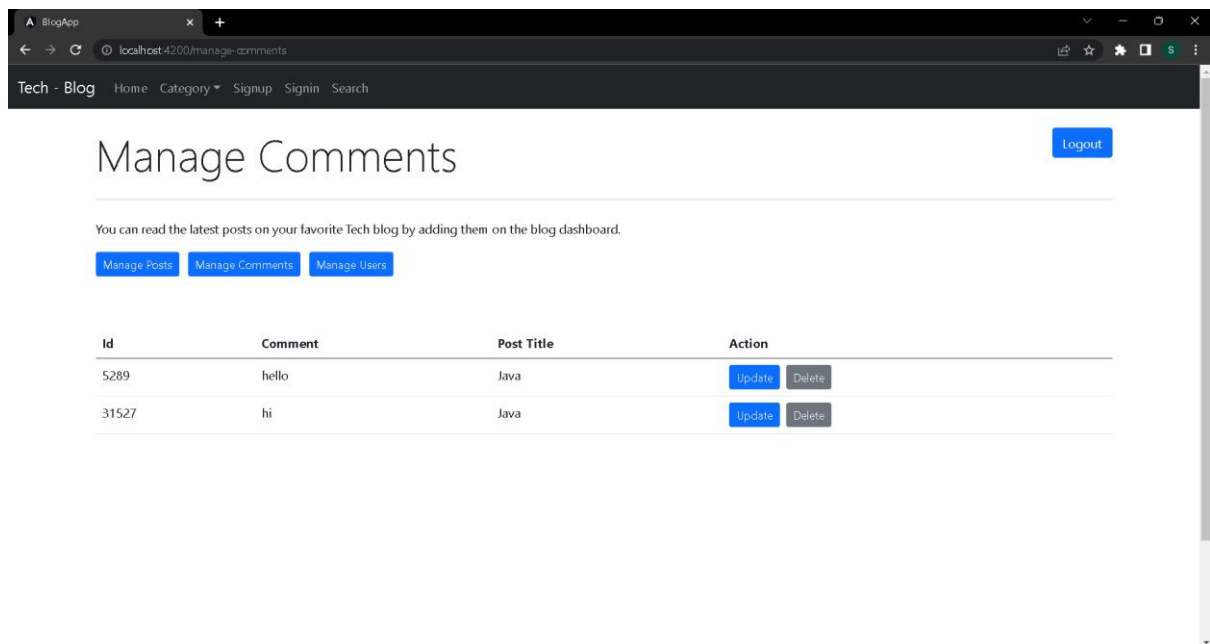

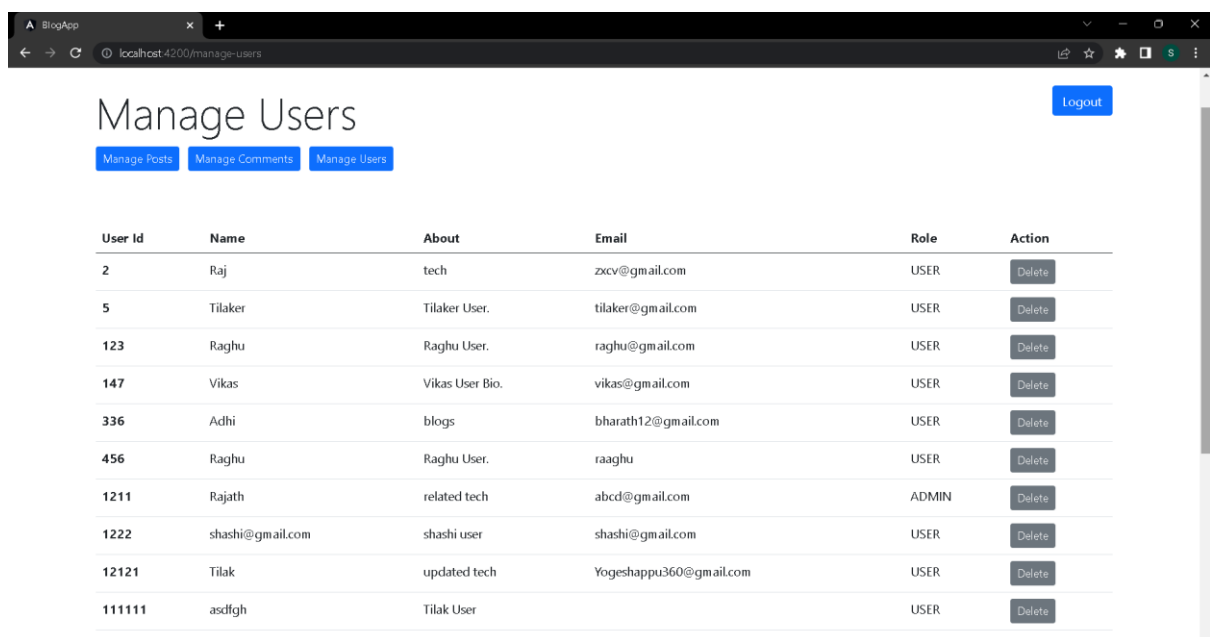- User Update their own post :
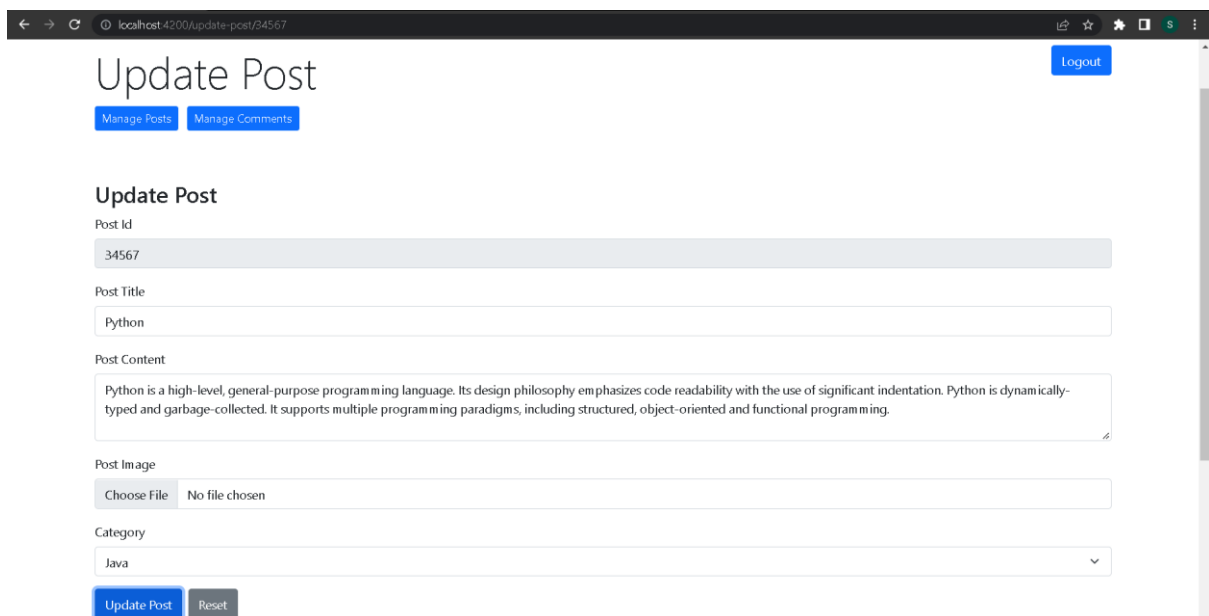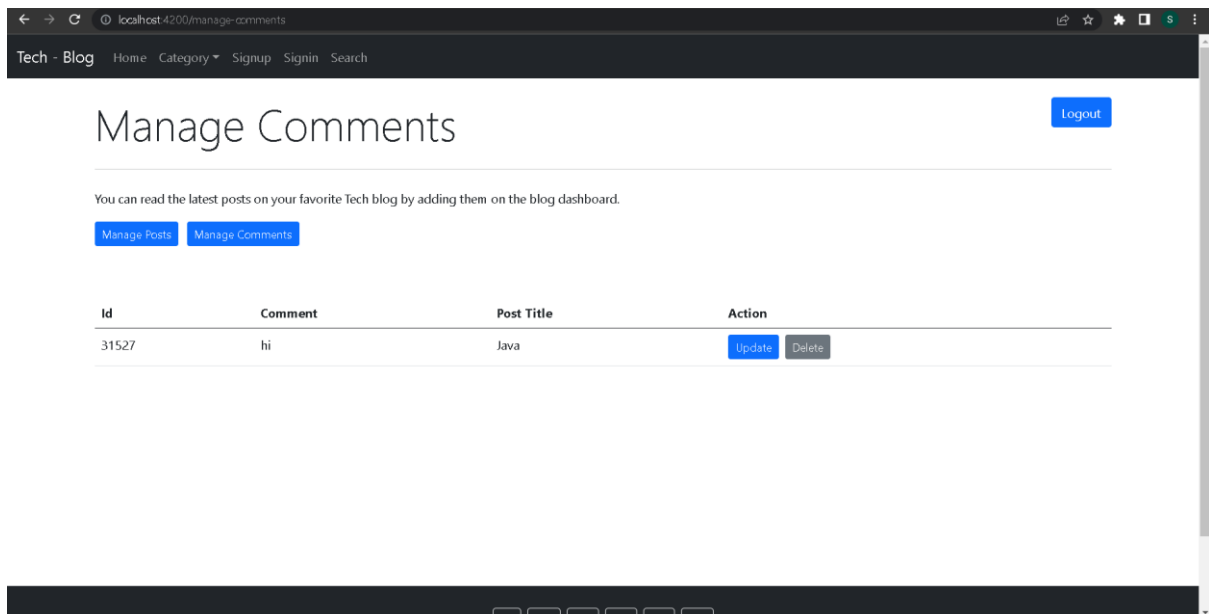
Admin :

- SignIn Page :
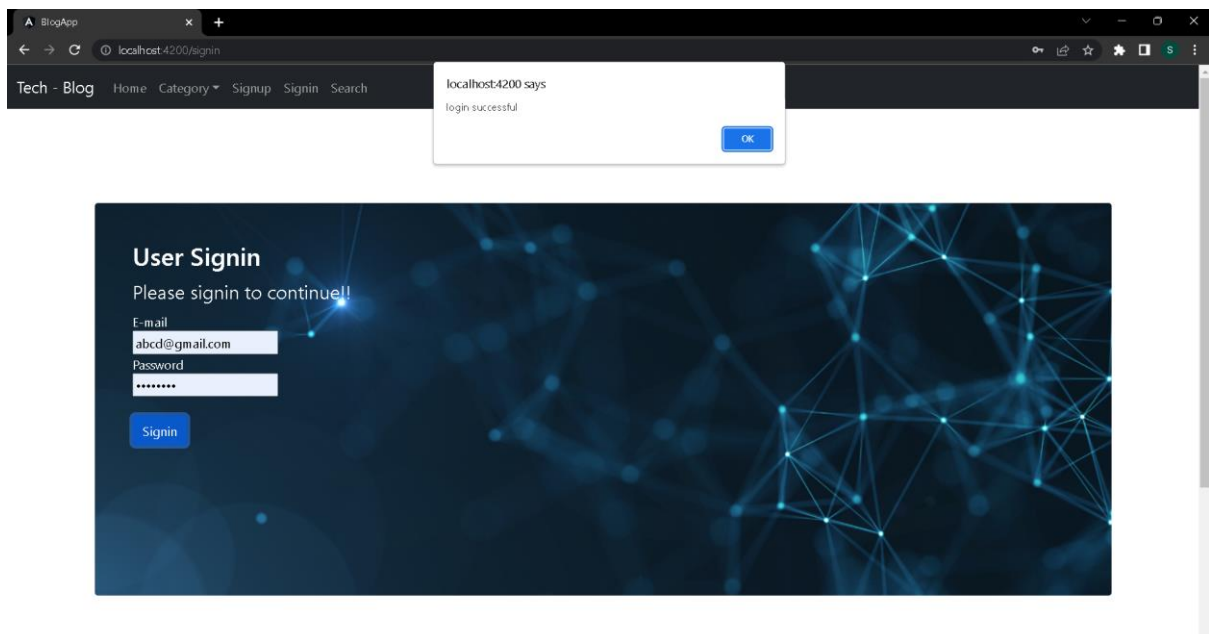
- Dashboard :
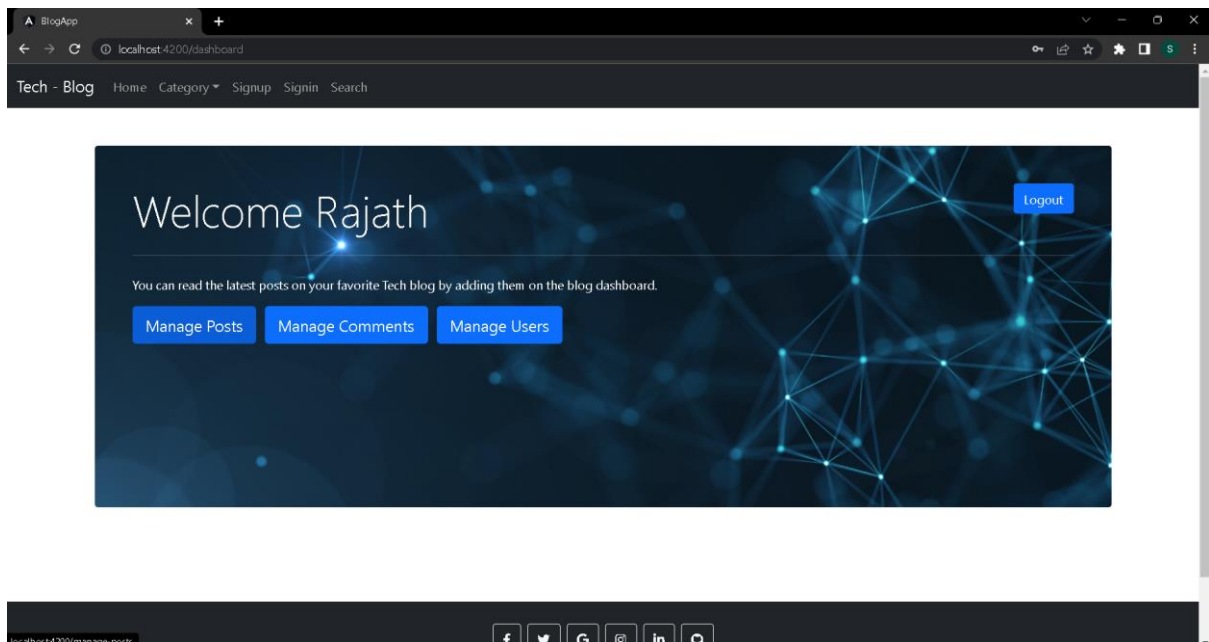
- Manage Post :

- Manage Comment :

- Manage Users :

- Manage Post:

THANK YOU !!!