

Tech Blog

➤ **Introduction**

The Tech Blog project aims to create a comprehensive online platform for sharing technology-related articles, tutorials, and insights. Targeting tech enthusiasts, professionals, and casual readers, the blog will provide high-quality content on various topics, including software development, gadgets, trends, and reviews.

➤ **Technical Specification**

- 1) **Backend Technology:** Core Java, JDBC, Servlet, JSP, JSTL, Ajax
- 2) **Frontend Technology:** HTML, CSS, Bootstrap, JavaScript
- 3) **Database:** MySQL
- 4) **IDE:** Eclipse
- 5) **Operating System:** Windows 10

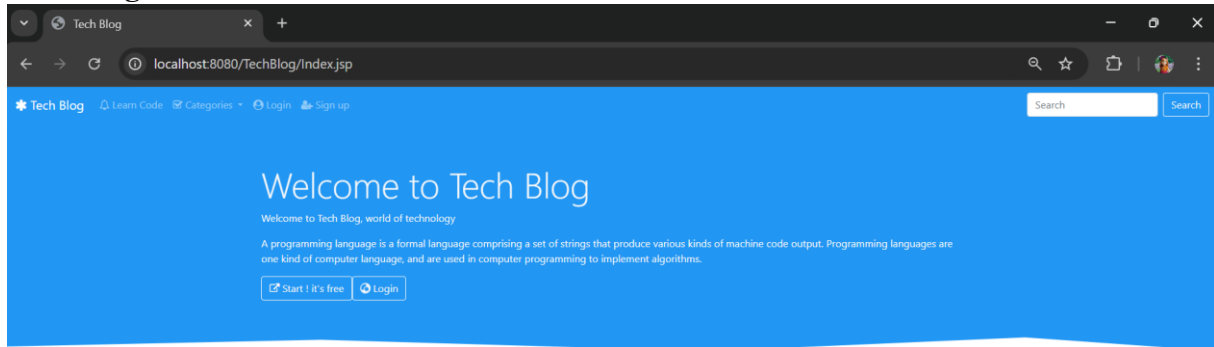
➤ **Core Feature**

- 1) Admin & User registration and authentication.
- 2) Article creation and editing by authors.
- 3) Search functionality and categorization.
- 4) Mobile responsiveness and accessibility features.

Tech Blog

➤ Project Feature

1) Main Page Feature

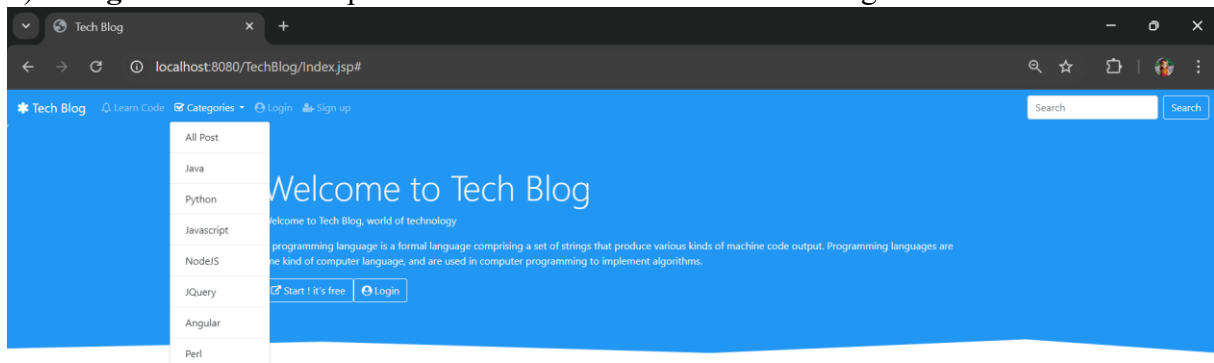


Recent Posts ...

No Posts...

[Show more posts ...](#)

1) Categories Menu – helps user to show the article based on categories.



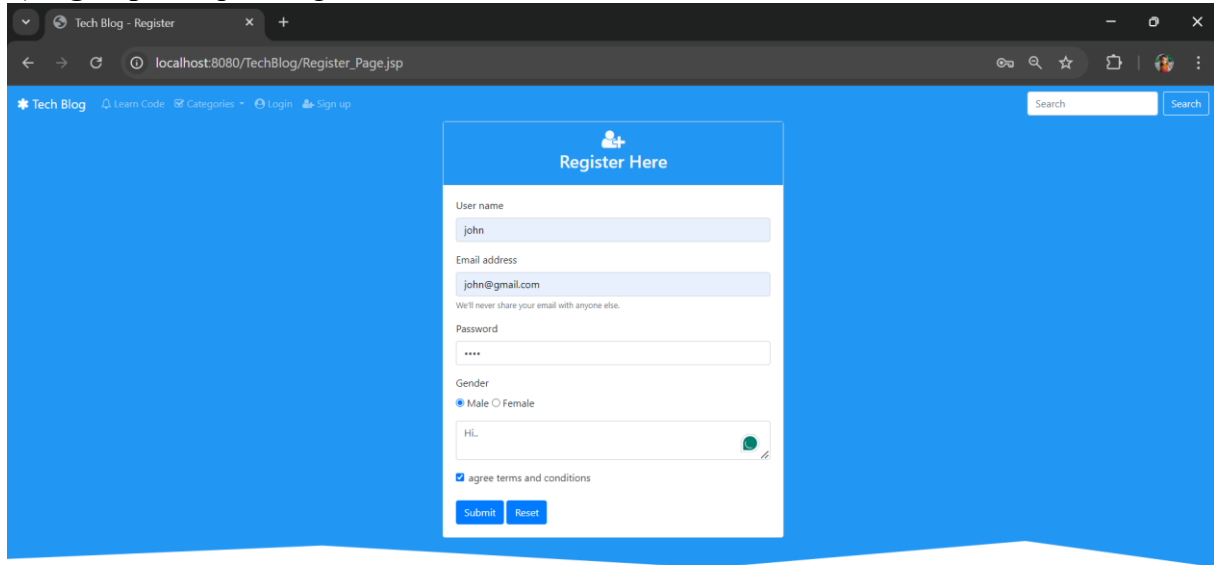
Recent Posts ...

No Posts...

[Show more posts ...](#)

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2) **Sign up** – helps to register a new user.



The screenshot shows a web browser window with the title "Tech Blog - Register". The address bar shows "localhost:8080/TechBlog/Register_Page.jsp". The page has a blue background with a white registration form in the center. The form is titled "Register Here" and includes fields for "User name" (filled with "john"), "Email address" (filled with "john@gmail.com"), "Password" (masked with "****"), "Gender" (radio buttons for "Male" and "Female", with "Male" selected), and a "HiL" field. There is a checkbox for "agree terms and conditions" and "Submit" and "Reset" buttons.

Tech Blog - Register

localhost:8080/TechBlog/Register_Page.jsp

Tech Blog | Learn Code | Categories | Login | Sign up

Search

Register Here

User name
john

Email address
john@gmail.com
We'll never share your email with anyone else.

Password

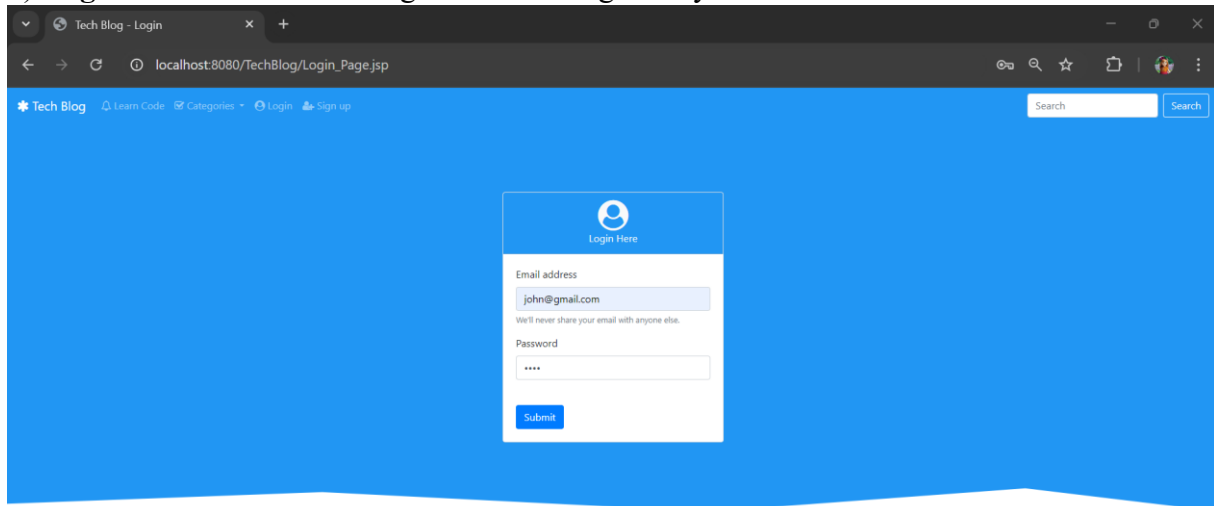
Gender
☒ Male ☐ Female

HiL

☒ agree terms and conditions

Submit Reset

3) **Login** – allow admin and register user to login to system.



The screenshot shows a web browser window with the title "Tech Blog - Login". The address bar shows "localhost:8080/TechBlog/Login_Page.jsp". The page has a blue background with a white login form in the center. The form is titled "Login Here" and includes fields for "Email address" (filled with "john@gmail.com") and "Password" (masked with "****"). There is a "Submit" button.

Tech Blog - Login

localhost:8080/TechBlog/Login_Page.jsp

Tech Blog | Learn Code | Categories | Login | Sign up

Search

Login Here

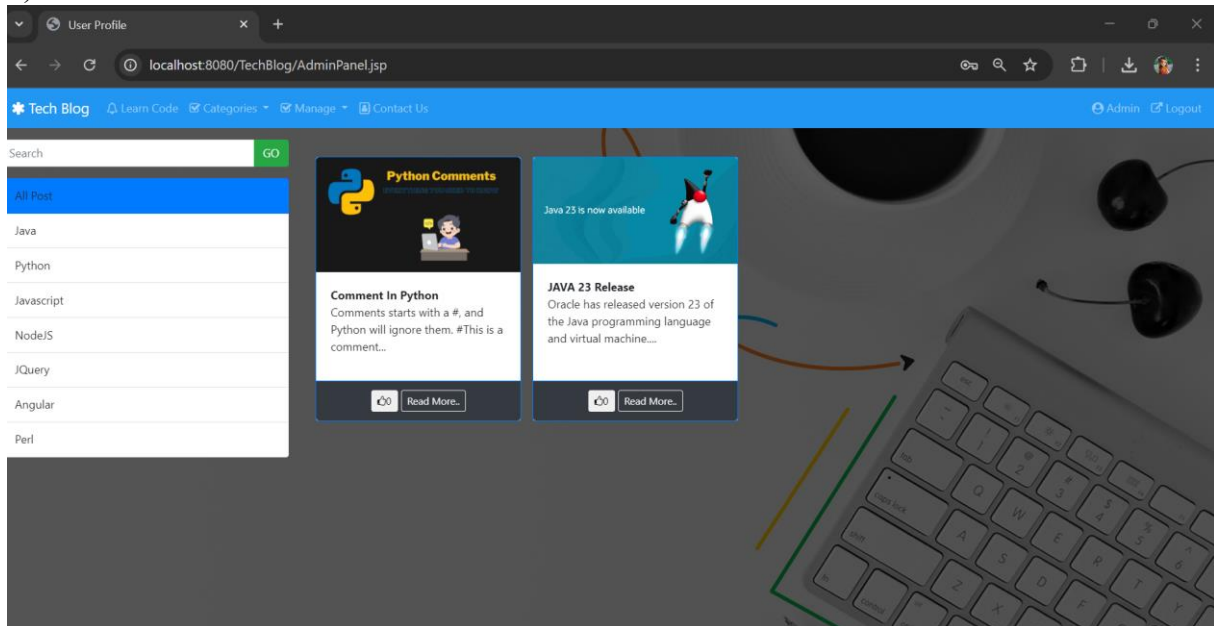
Email address
john@gmail.com
We'll never share your email with anyone else.

Password

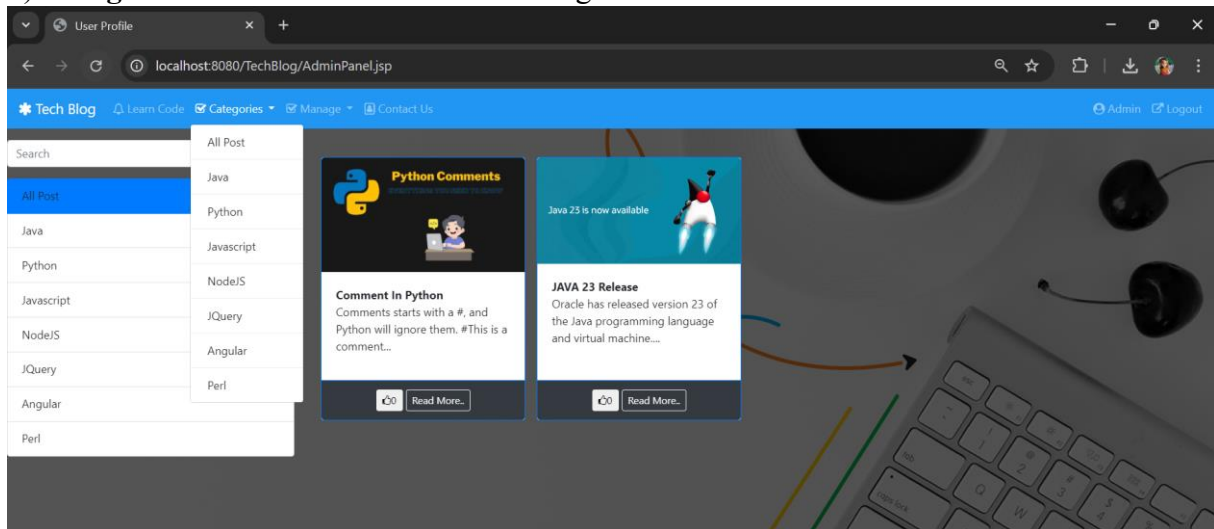
Submit

2) Admin Page Feature

1) Dashboard – this shows the all the article.

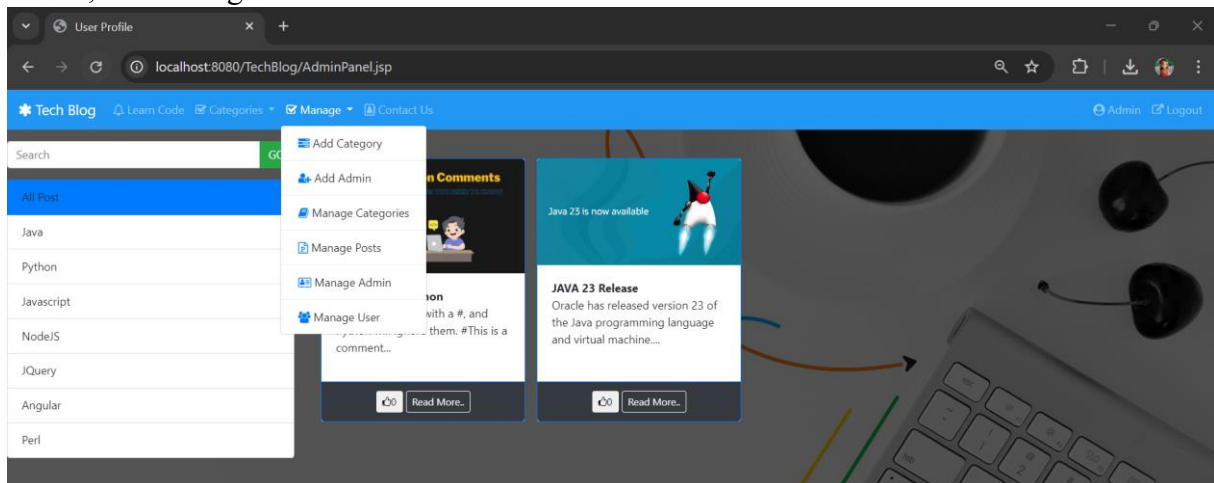


2) Categories Menu – show all created categories.

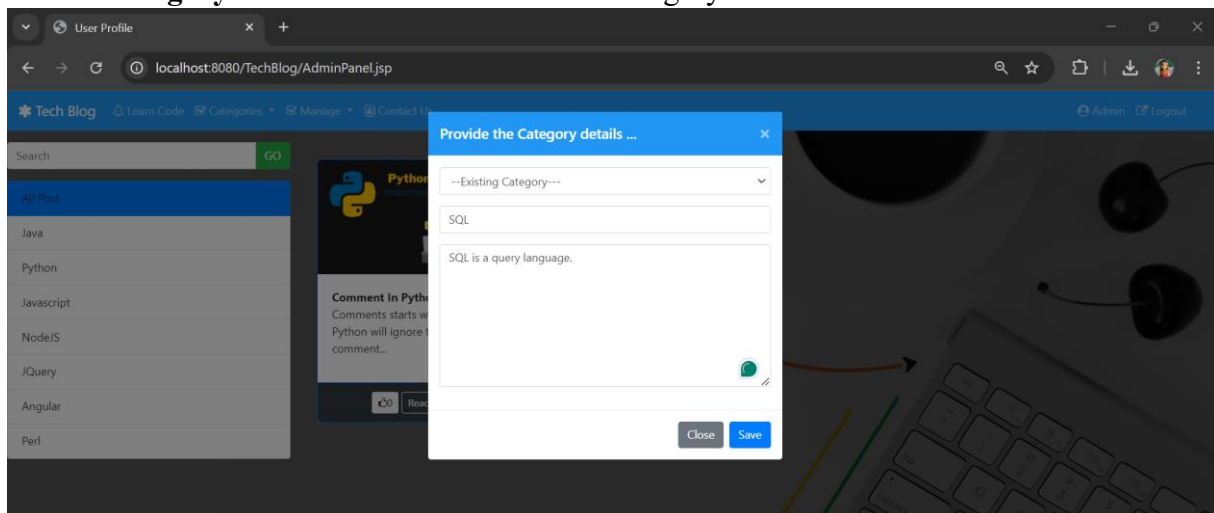


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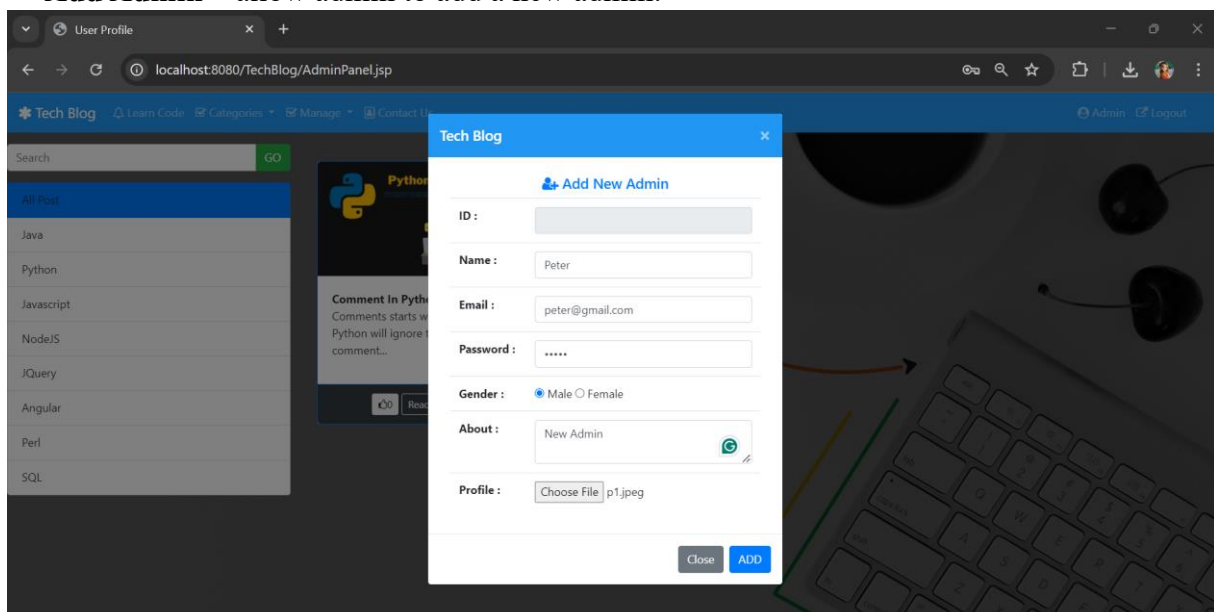
3) **Manage Menu** – allows admin to add category, add admin, manage categories, manage post, manage admin, and manage user



-> **Add Category** – allows admin to add a new category.

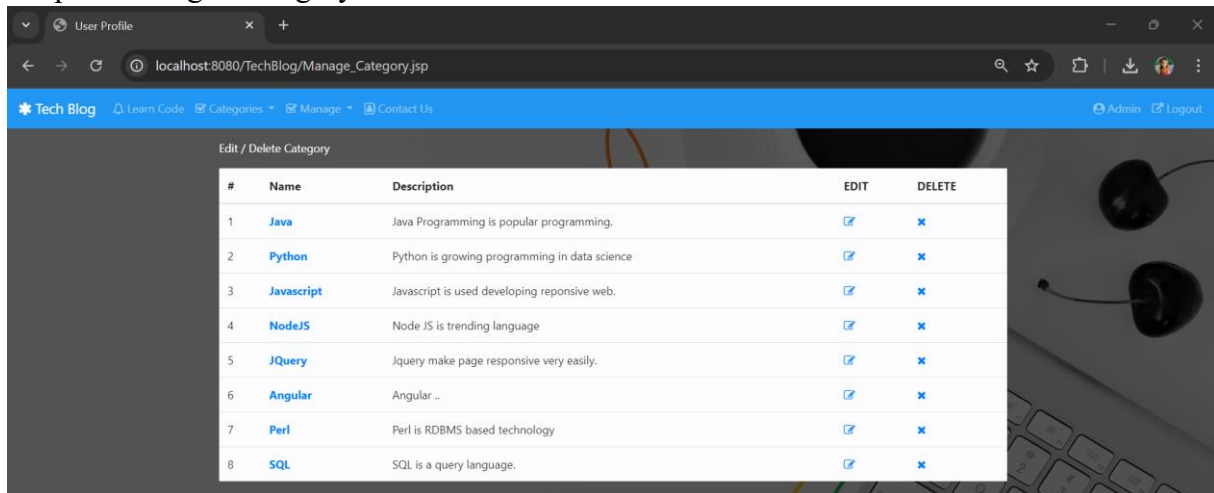


-> **Add Admin** – allow admin to add a new admin.



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-> **Manage Category** – allows admin to update, delete and view the category. On delete of category, all the post belong to category will be deleted.



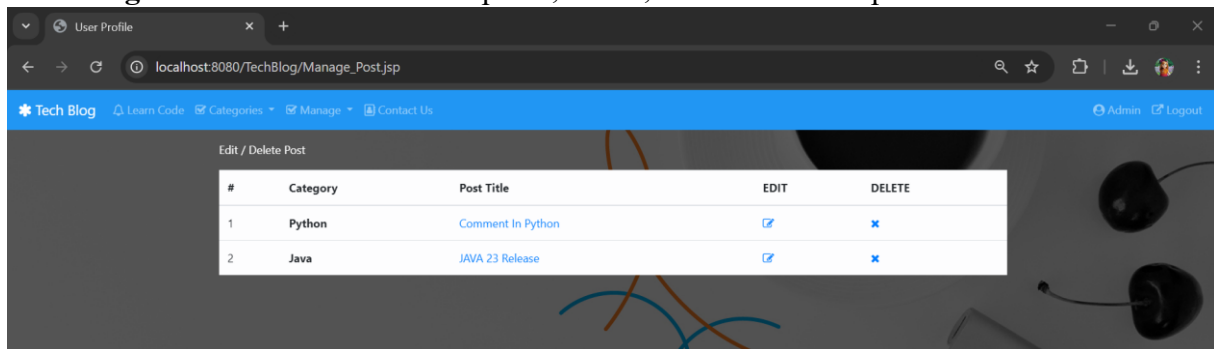
localhost:8080/TechBlog/Manage_Category.jsp

Tech Blog | Learn Code | Categories | Manage | Contact Us | Admin | Logout

Edit / Delete Category

#	Name	Description	EDIT	DELETE
1	Java	Java Programming is popular programming.	EDIT	DELETE
2	Python	Python is growing programming in data science	EDIT	DELETE
3	Javascript	Javascript is used developing reponsive web.	EDIT	DELETE
4	NodeJS	Node JS is trending language	EDIT	DELETE
5	JQuery	Jquery make page responsive very easily.	EDIT	DELETE
6	Angular	Angular ..	EDIT	DELETE
7	Perl	Perl is RDBMS based technology	EDIT	DELETE
8	SQL	SQL is a query language.	EDIT	DELETE

-> **Manage Post** – allows admin to update, delete, and view all the post.



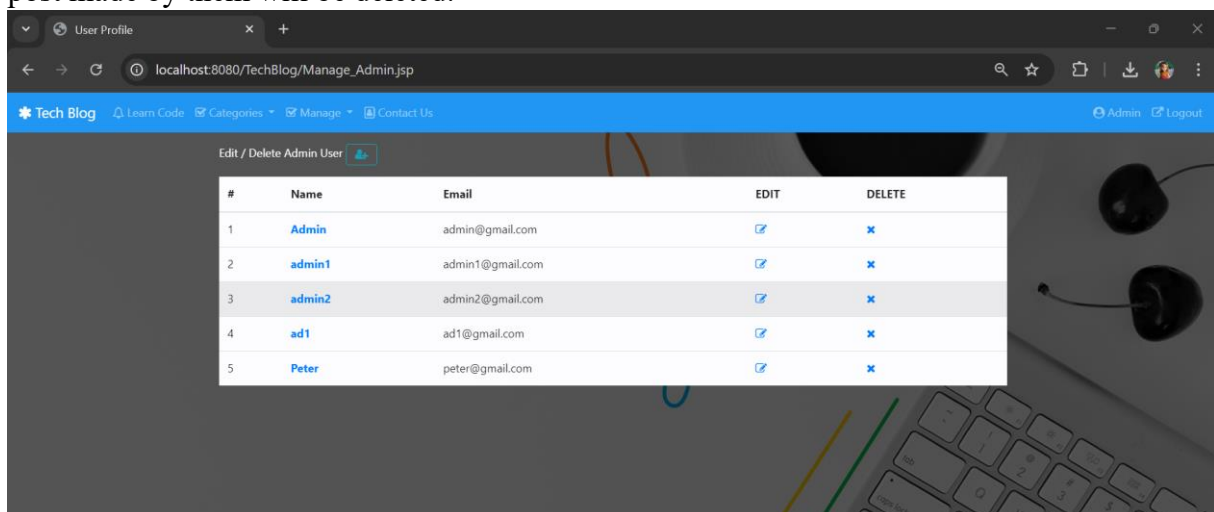
localhost:8080/TechBlog/Manage_Post.jsp

Tech Blog | Learn Code | Categories | Manage | Contact Us | Admin | Logout

Edit / Delete Post

#	Category	Post Title	EDIT	DELETE
1	Python	Comment In Python	EDIT	DELETE
2	Java	JAVA 23 Release	EDIT	DELETE

-> **Manage Admin** – allows admin to add, update, delete, and view all the admin. On delete of admin the post made by them will be deleted.



localhost:8080/TechBlog/Manage_Admin.jsp

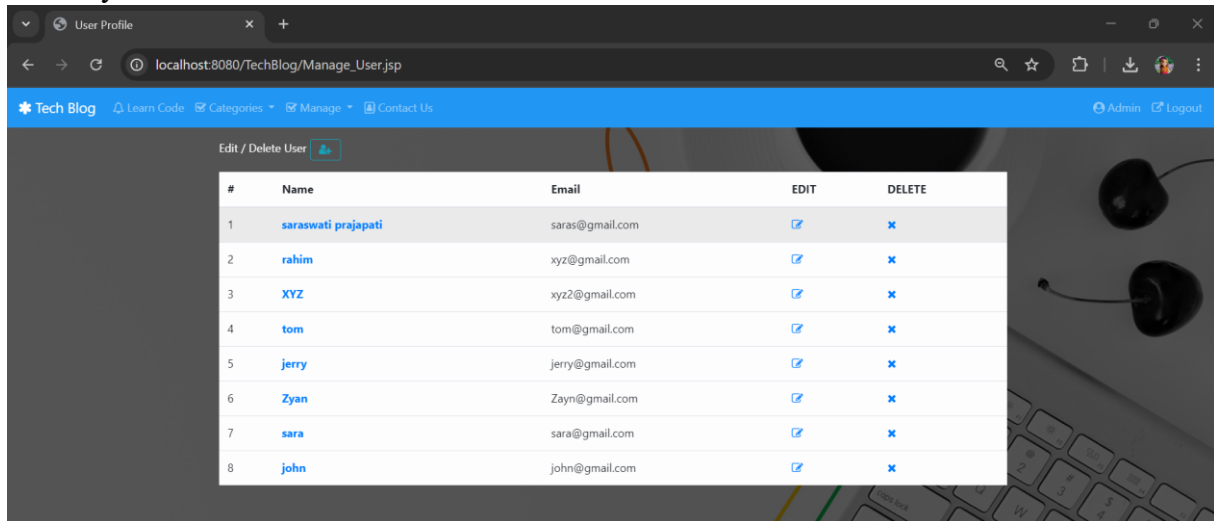
Tech Blog | Learn Code | Categories | Manage | Contact Us | Admin | Logout

Edit / Delete Admin User

#	Name	Email	EDIT	DELETE
1	Admin	admin@gmail.com	EDIT	DELETE
2	admin1	admin1@gmail.com	EDIT	DELETE
3	admin2	admin2@gmail.com	EDIT	DELETE
4	ad1	ad1@gmail.com	EDIT	DELETE
5	Peter	peter@gmail.com	EDIT	DELETE

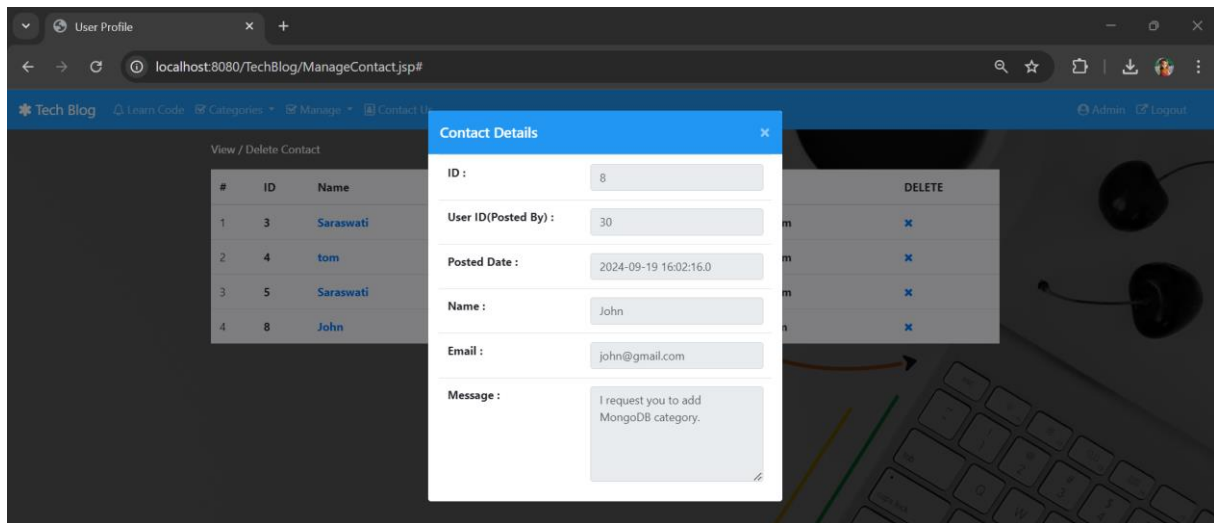
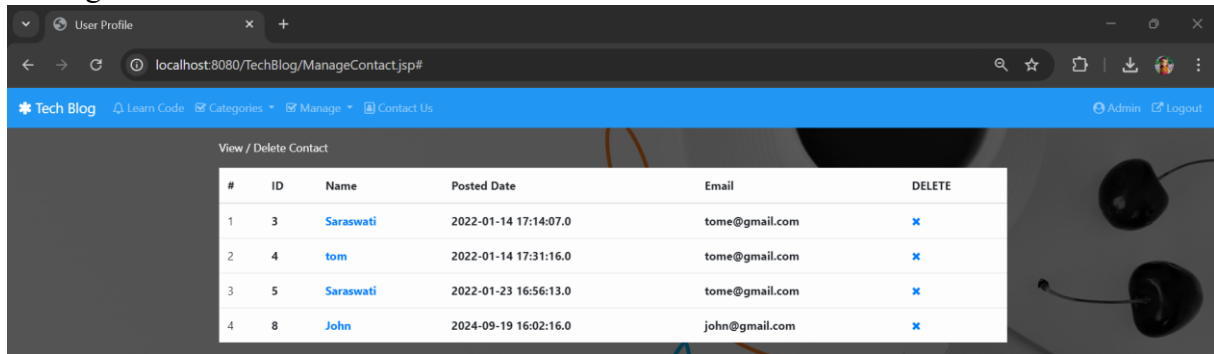
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-> **Manage User** – allows admin to add, update, delete, and view all the user. On delete of user the post made by them will be deleted.



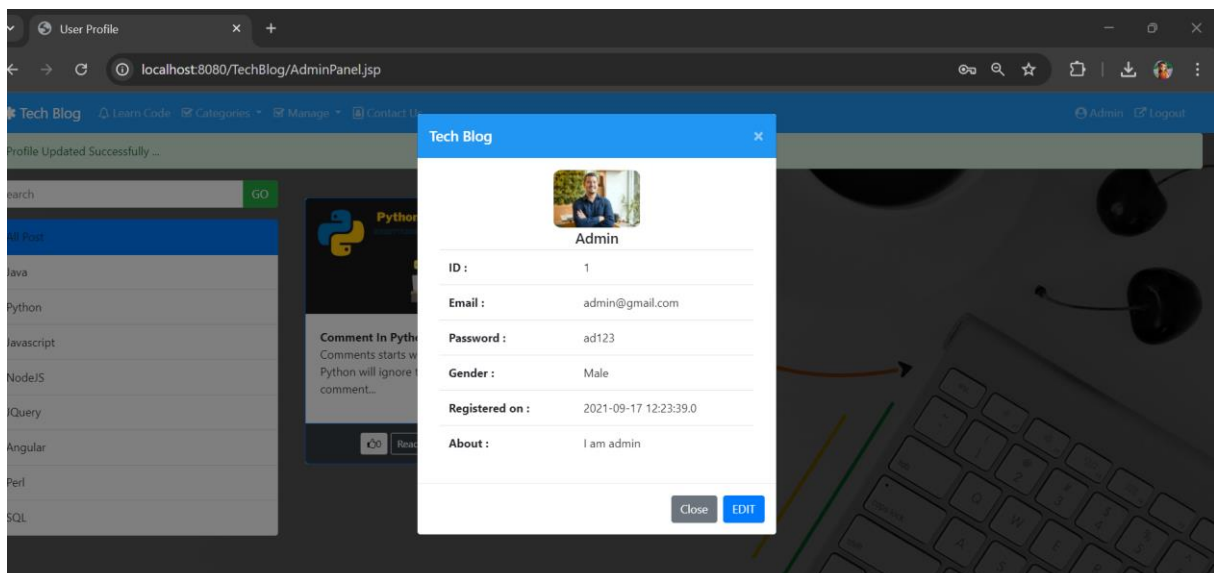
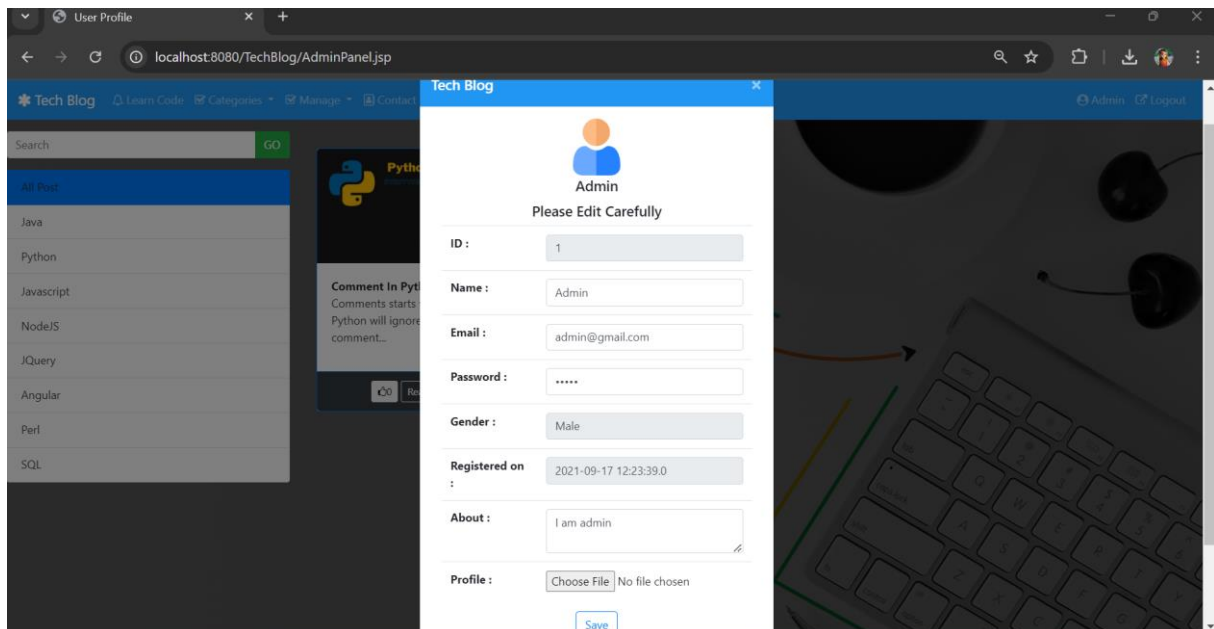
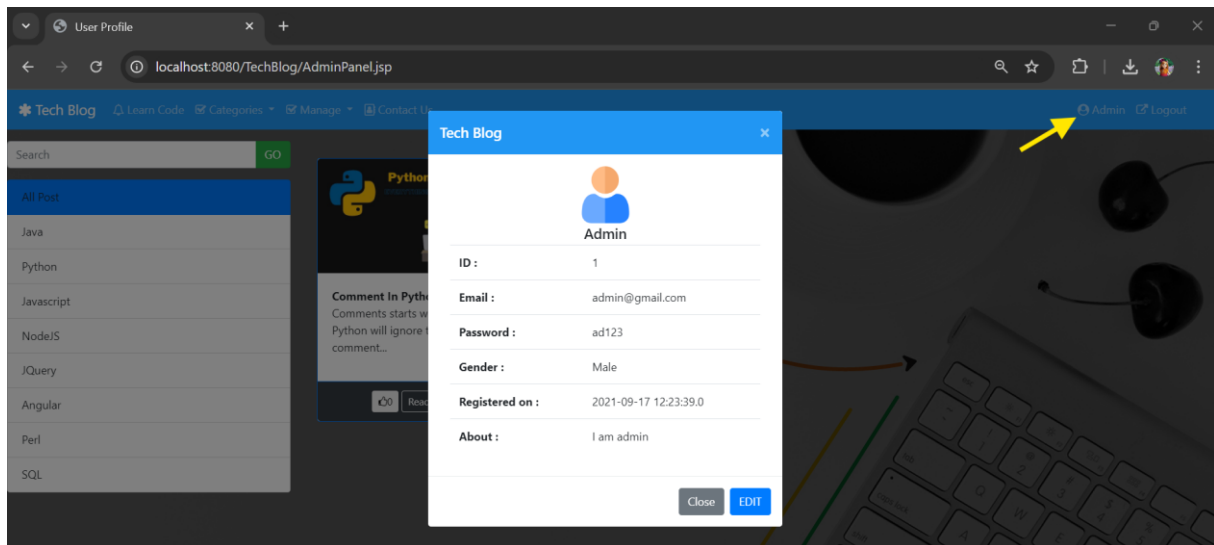
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4) **Contact Us Menu** – show all the contact user with their queries and also allows admin to delete the messages.



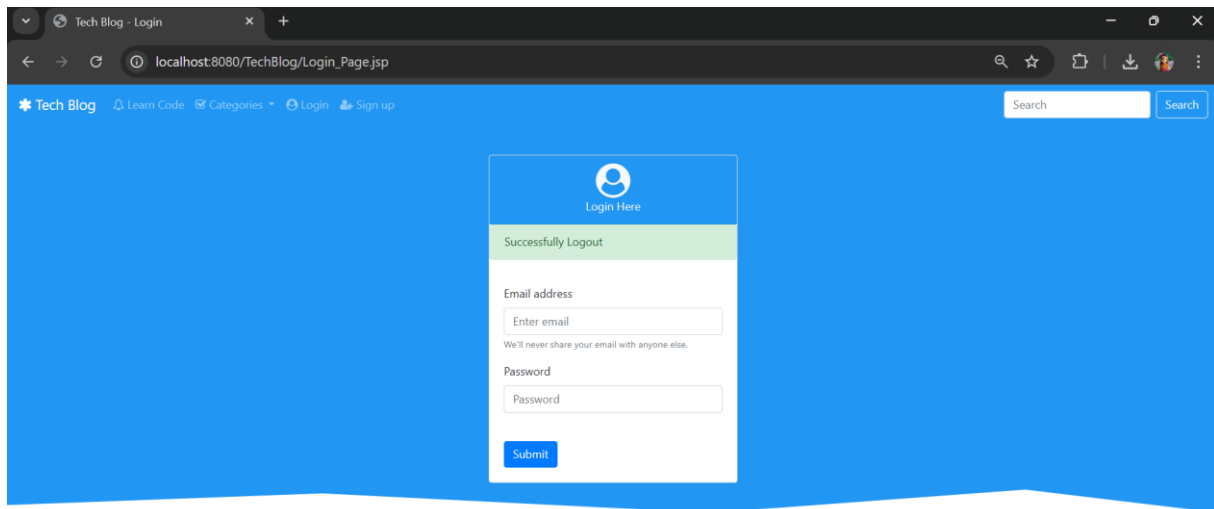
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5) **View/Edit profile** – allows admin to view and update the profile details.



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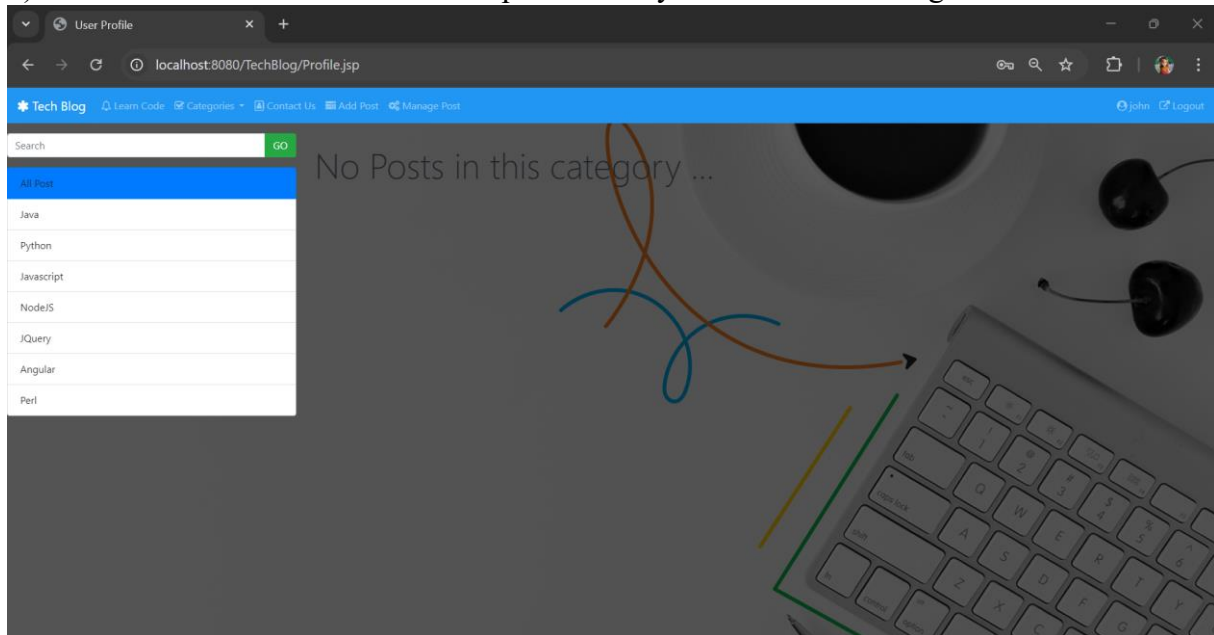
6) **Logout** – allow admin to logout from the application.



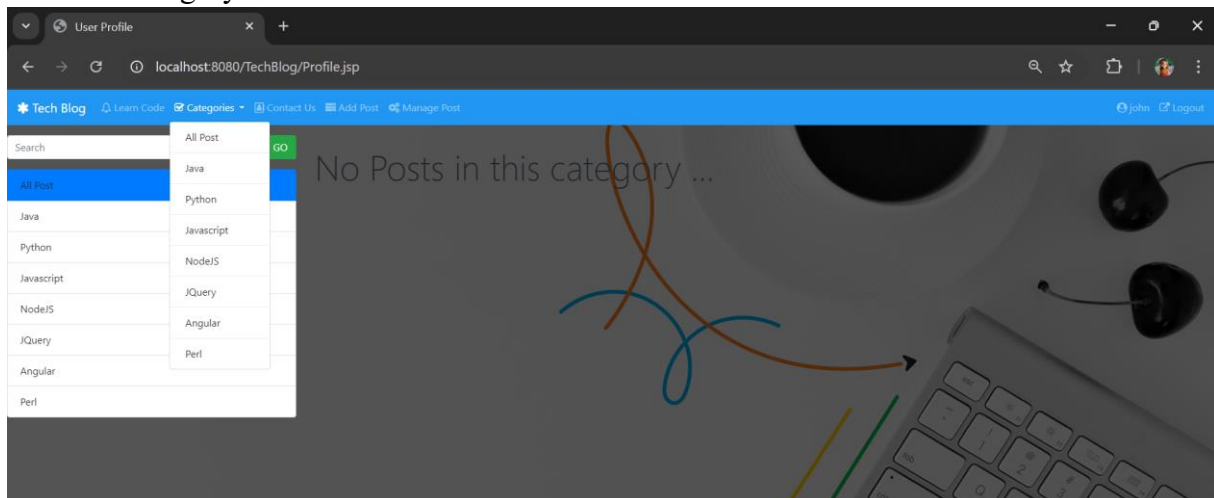
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3) User Page Feature

1) **Dashboard** – this shows the all the post made by the users include login user.

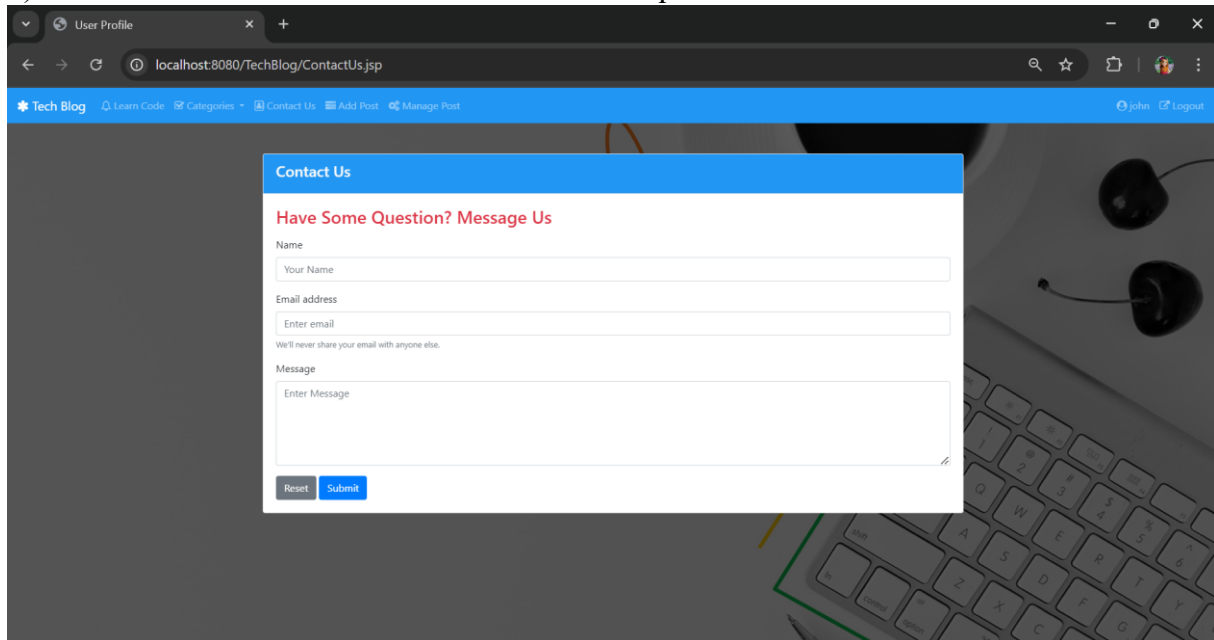


2) **Categories Menu** – show all the categories and on clicking a particular category it filters out the post based on category.

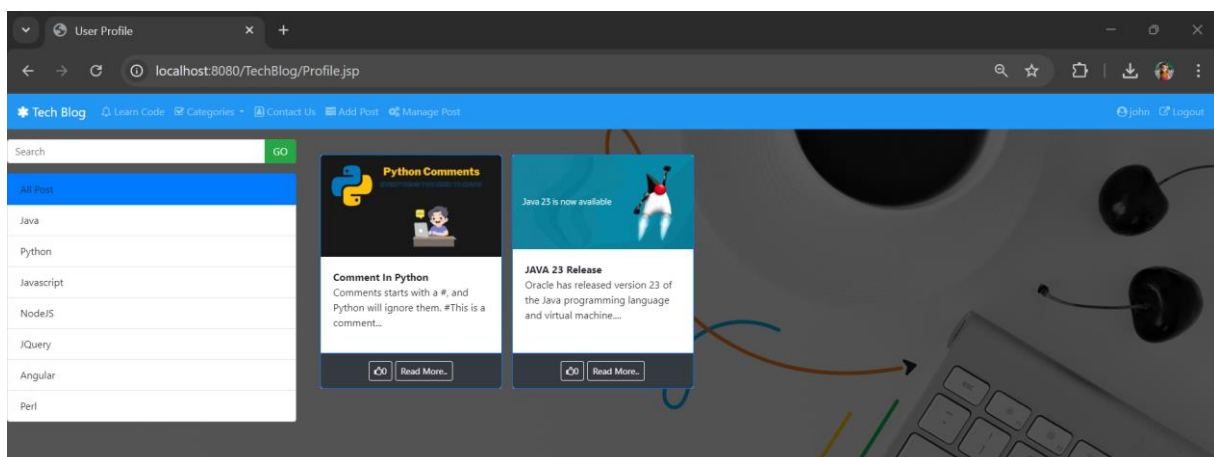
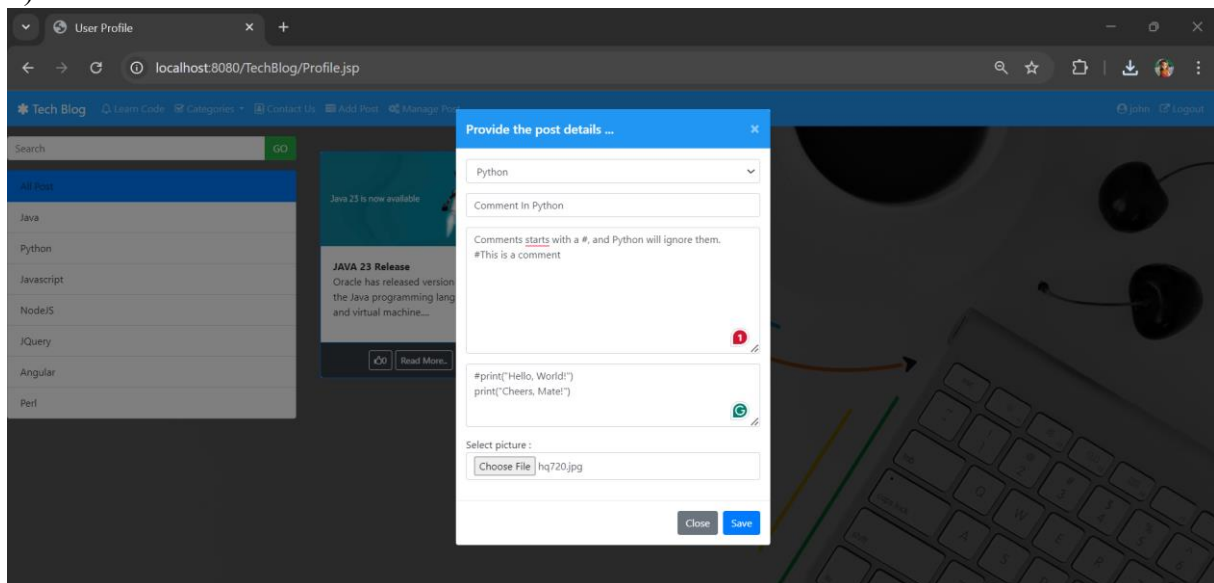


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3) Contact Us Menu – allow user to submit their queries.

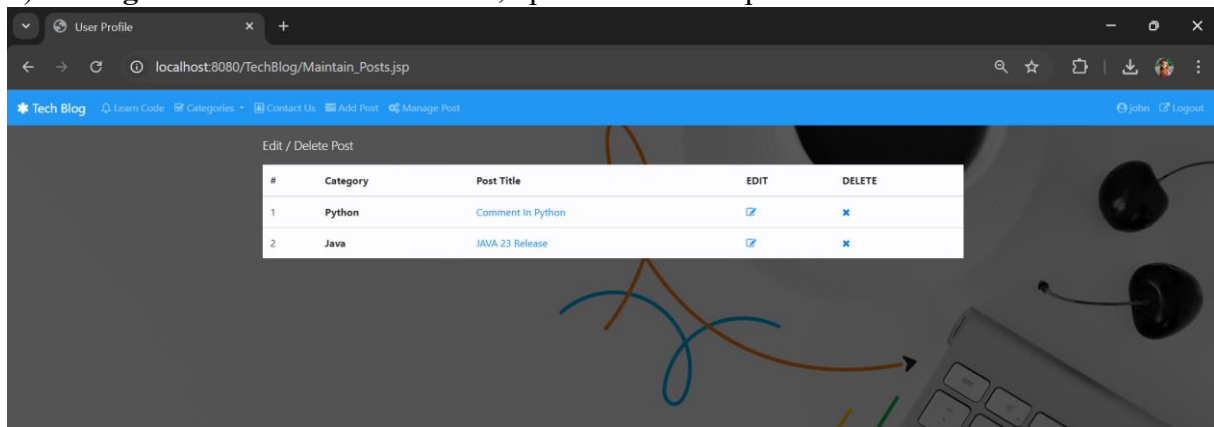


4) Add Post Menu – allow user to add new article.

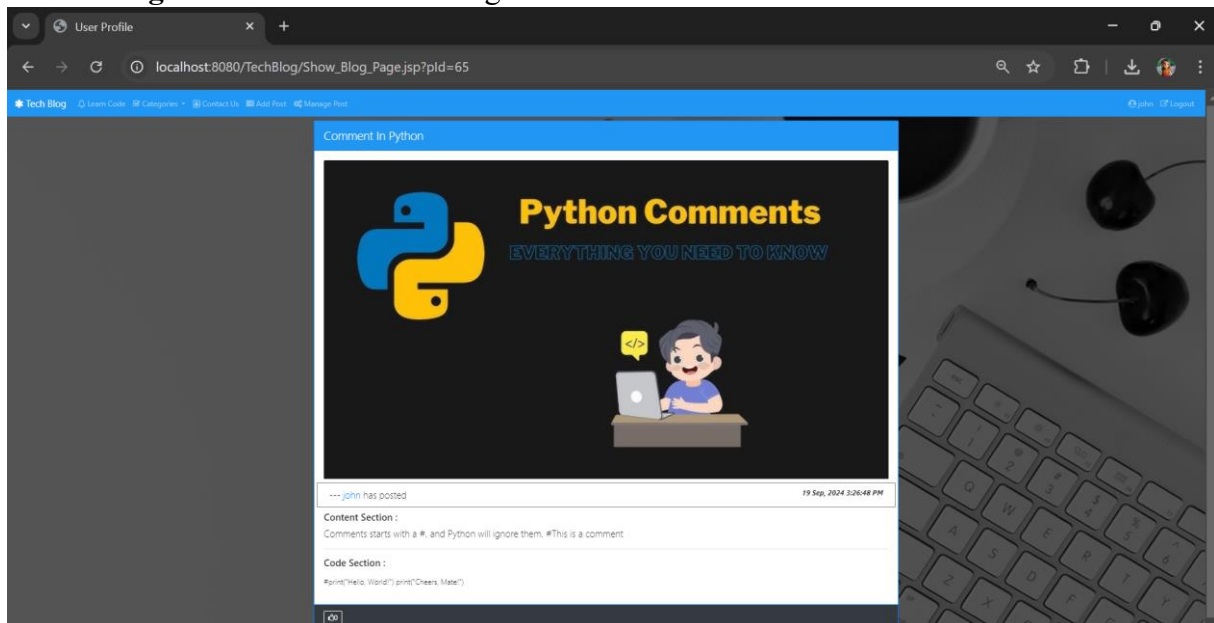


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5) **Manage Post** – allows user to view, update and delete post.



->**View Page** – show the selected blog detail.



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-> **Update Page** – allow user to update the blog details.

The screenshot shows a web application interface for updating a blog post. The page has a blue header with navigation links: Tech Blog, Learn Code, Categories, Contact Us, Add Post, and Manage Post. The user is logged in as 'john' and can click 'Logout'. The main content area is titled 'Comment In Python' and features a large image of the Python logo with the text 'Python Comments' and 'EVERYTHING YOU NEED TO KNOW'. Below the image, there is a section for updating the post. It includes a 'Update picture' section with a 'Choose File' button and a note 'No file chosen'. The post is attributed to 'john' and dated '19 Sep, 2024 3:26:48 PM'. There are two text input fields: 'Content Section' with a placeholder 'Comments starts with a #. and Python will ignore them. #This is a comment' and 'Code Section' with a placeholder '#print("Hello, World!") print("Cheers, Mate!")'. At the bottom right of the form are 'Back' and 'Update' buttons.

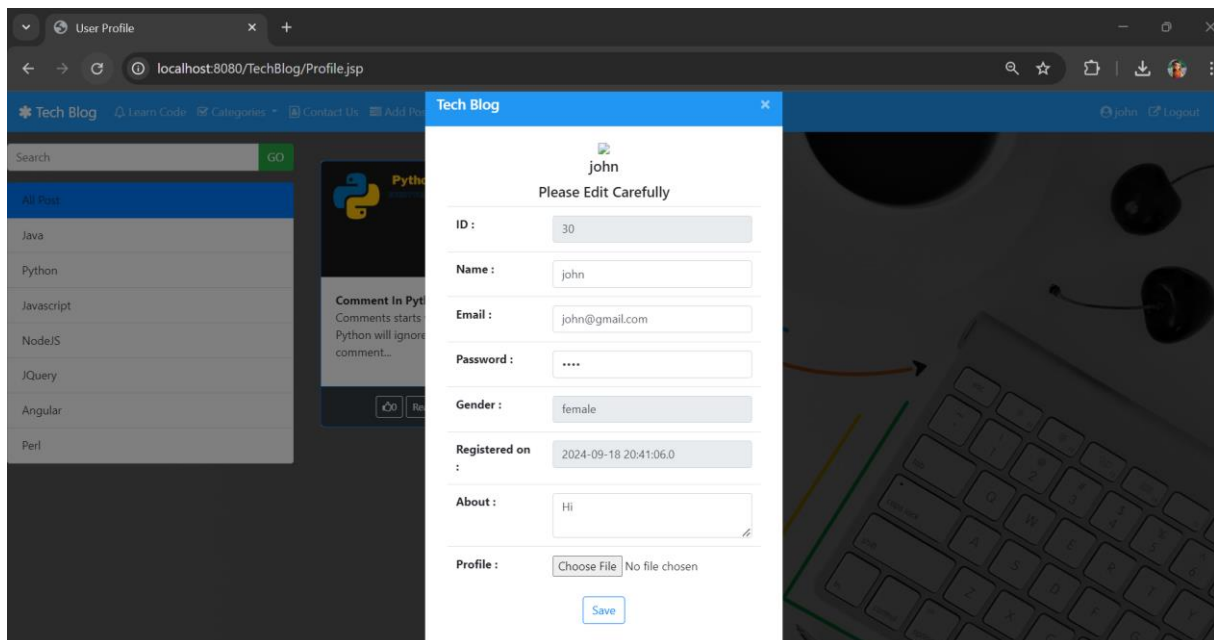
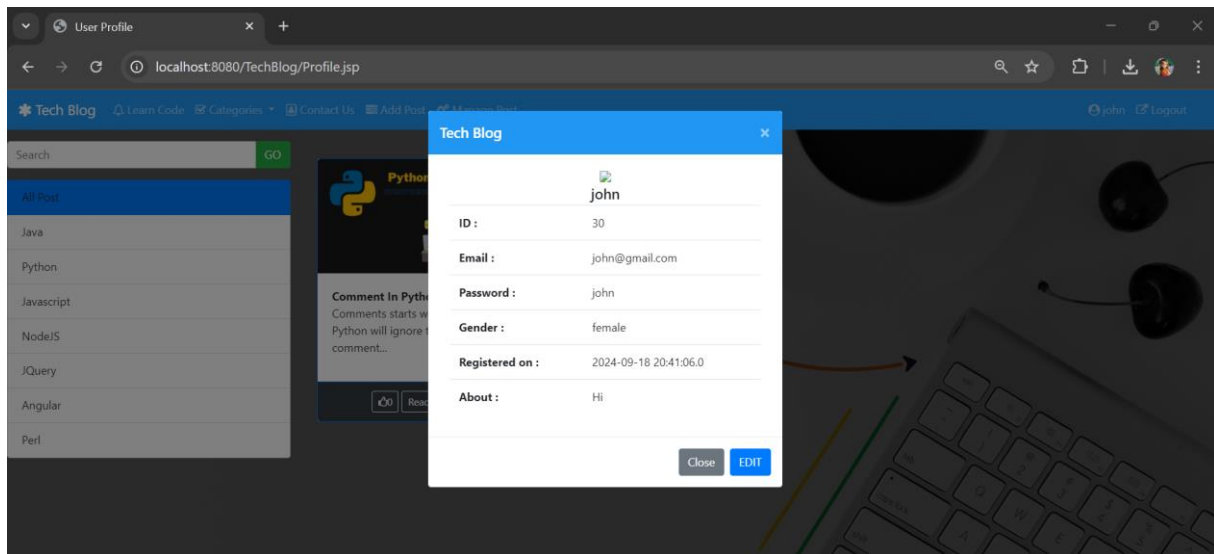
-> **Delete** – allows user to delete the blog.

The screenshot shows a web application interface for deleting a blog post. The browser address bar shows 'localhost:8080/TechBlog/Maintain_Posts.jsp#'. The page has a blue header with navigation links: Tech Blog, Learn Code, Categories, Contact Us, Add Post, and Manage Post. The user is logged in as 'john' and can click 'Logout'. The main content area is titled 'Edit / Delete Post' and features a table with columns: #, Category, Post Title, EDIT, and DELETE. The table contains two rows: 1. Python, Comment In Python, and 2. Java. A confirmation dialog is displayed in the center of the screen, asking 'Are you sure?' and stating 'Once deleted, you will not be able to recover this BLOG!'. The dialog has 'Cancel' and 'OK' buttons.

#	Category	Post Title	EDIT	DELETE
1	Python	Comment In Python	EDIT	DELETE
2	Java			DELETE

Tech Blog

6) **View/Edit Profile** – this allows user to view and update the profile details.



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7) **Logout** – allows user to logout from application.

