

# Spring Boot - View Post With Edit Options

## Original Code of post.html

```
<!DOCTYPE html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">

<head th:replace="/fragments/head :: head">
  <title>StudyEasy Demo - Post Page</title>
</head>

<body class="sub_page">

  <div class="hero_area">
    <div class="bg-box">
      
    </div>
    <header th:replace="/fragments/header :: header">
    </div>

    <!-- about section -->

    <section class="about_section layout_padding">
      <div class="container">
        post data
      </div>
    </section>

    <footer th:replace="/fragments/footer :: footer"></footer>

  </body>

</html>
```

## Updated code of post.html

```
<!DOCTYPE html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">

<head th:replace="/fragments/head :: head">
  <title>StudyEasy Demo - Post Page</title>
</head>
```

```

<body class="sub_page">

    <div class="hero_area">
        <div class="bg-box">
             -> Change
        </div>
        <header th:replace="/fragments/header :: header"></header>
    </div>

    <!-- about section -->
    <section class="about_section layout_padding">
        <div class="container">
            <!-- Your post content goes here -->
            <p>Post data goes here...</p>
        </div>
    </section>

    <footer th:replace="/fragments/footer :: footer"></footer>

</body>

</html>

```

## Final code of Post.html

```

<!DOCTYPE html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">

<head th:replace="/fragments/head :: head">
    <title>StudyEasy Demo - Post Page</title>
</head>

<body class="sub_page">

    <div class="hero_area">
        <div class="bg-box">
            
        </div>
        <header th:replace="/fragments/header :: header"></header>
    </div>

```

```

<!-- about section -->
<section class="about_section layout_padding">
  <div class="container">
    <div class="post">
      <h3><a th:text='${post.title}'>Title</a></h3>
      <h5 th:text="'Author: ' + ${post.account.firstname} + ' | Created
at: ' + ${post.createdAt}'></h5>
      <p th:text='${post.body}'>body</p>
      <hr color="grey"/>
      <a th:href="@{'/edit_post/' + ${post.id}}" class="btn btn-
secondary btn-lg active" role="button" aria-pressed="true">Edit</a>
    </div>
  </div>
</section>

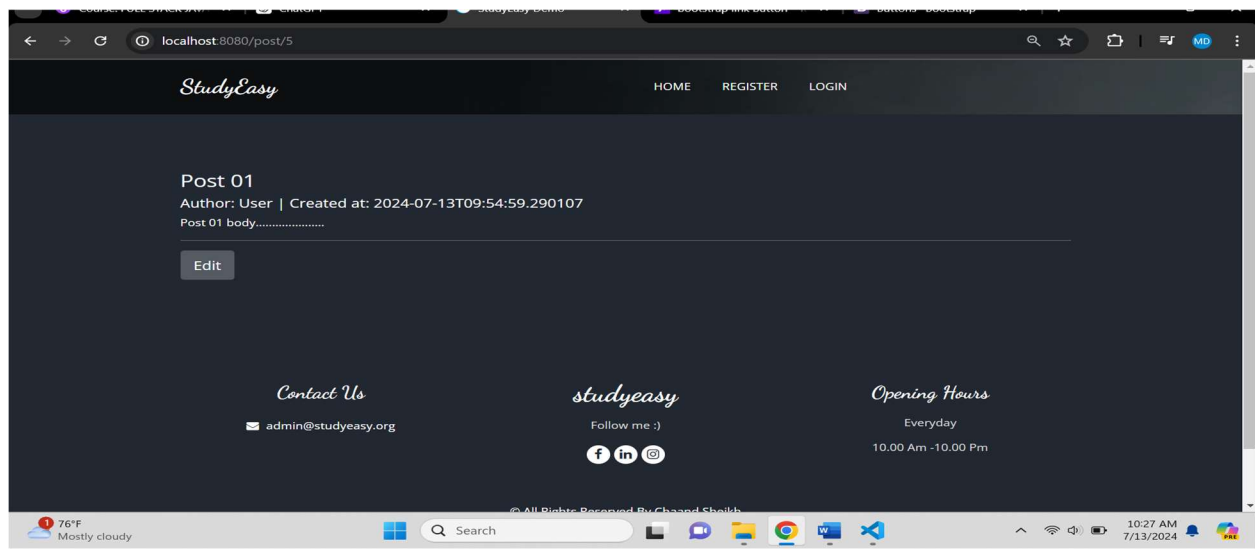
<footer th:replace="/fragments/footer :: footer"></footer>

</body>

</html>

```

## Output – After clicking on the link you get like below



The Edit operation should be given should be only clicked by the author and that authorized user and also who is logged in.

We will check whether the current user is author or not and we use concept – Principal

## PostController.java

```
@GetMapping("/post/{id}")
public String getPost(@PathVariable Long id, Model model, Principal
principal){
    Optional<Post> optionalPost = postService.getById(id);
    String authUser = "email";
    if(optionalPost.isPresent()){
        Post post = optionalPost.get();
        model.addAttribute("post", post);

        //get username of current logged in session user
        //String authUsername =
        SecurityContextHolder.getContext().getAuthentication().getName();

        if(principal != null){
            authUser = principal.getName();
        }
        if(authUser.equals(post.getAccount().getEmail())){
            model.addAttribute("isOwner", true);
        }else{
            model.addAttribute("isOwner", false);
        }

        return "post_views/post";
    }else{
        return "404";
    }
}
```

## Code for the Edit Operation Authentication

```
<div class="align-right" sec:authorize="isAuthenticated()" th:if="${isOwner}">
    <a th:href="@{/edit_post/' + ${post.id}'}" class="btn btn-secondary btn-lg active" role="button" aria-
pressed="true">Edit</a>
</div>
```

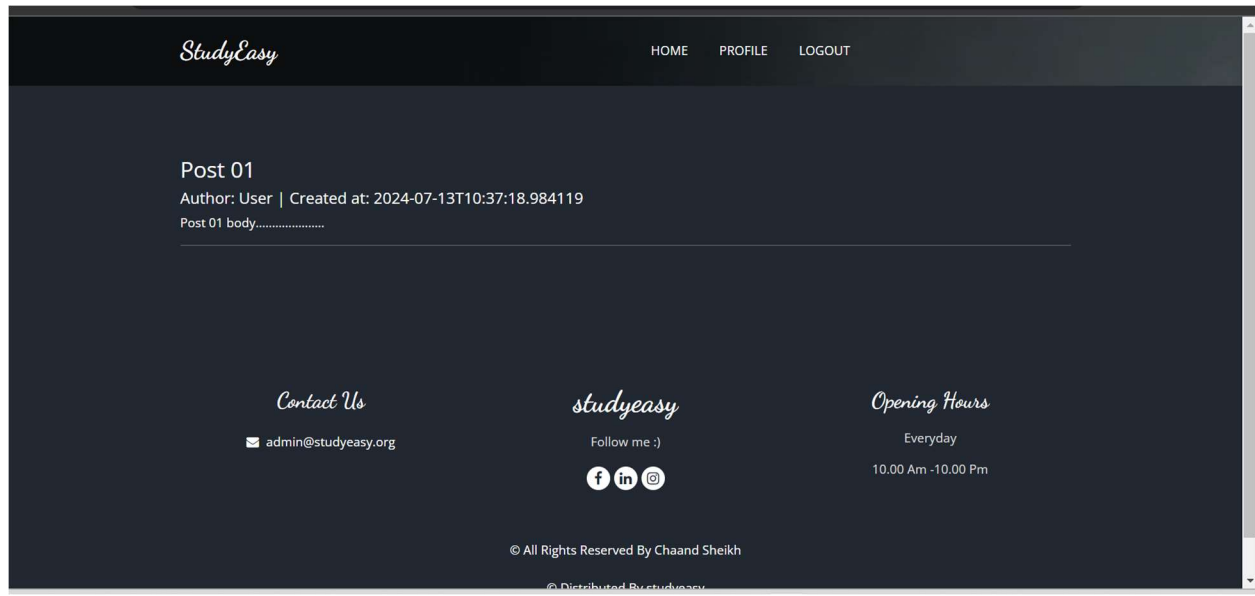
## Updated code

```
<div sec:authorize="isAuthenticated()" th:if="${isOwner}">
    <a th:href="@{/edit_post/' + ${post.id}'}" class="btn btn-secondary btn-lg active" role="button" aria-
pressed="true">Edit</a>
</div>
```

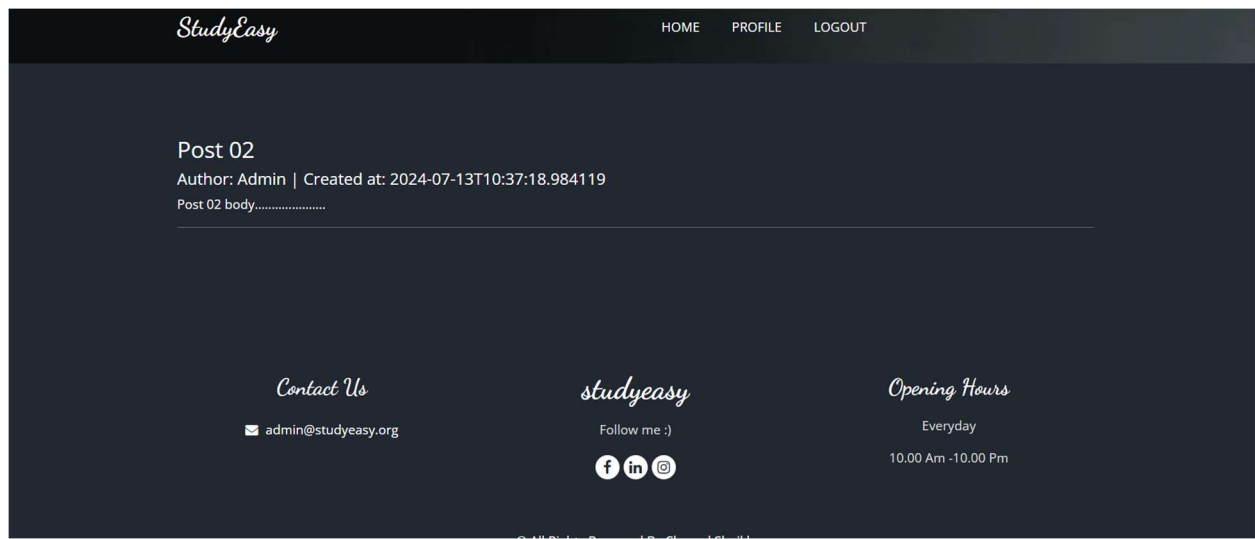
## Output After above code

### Case 1 : Login as super editor

#### No access for user

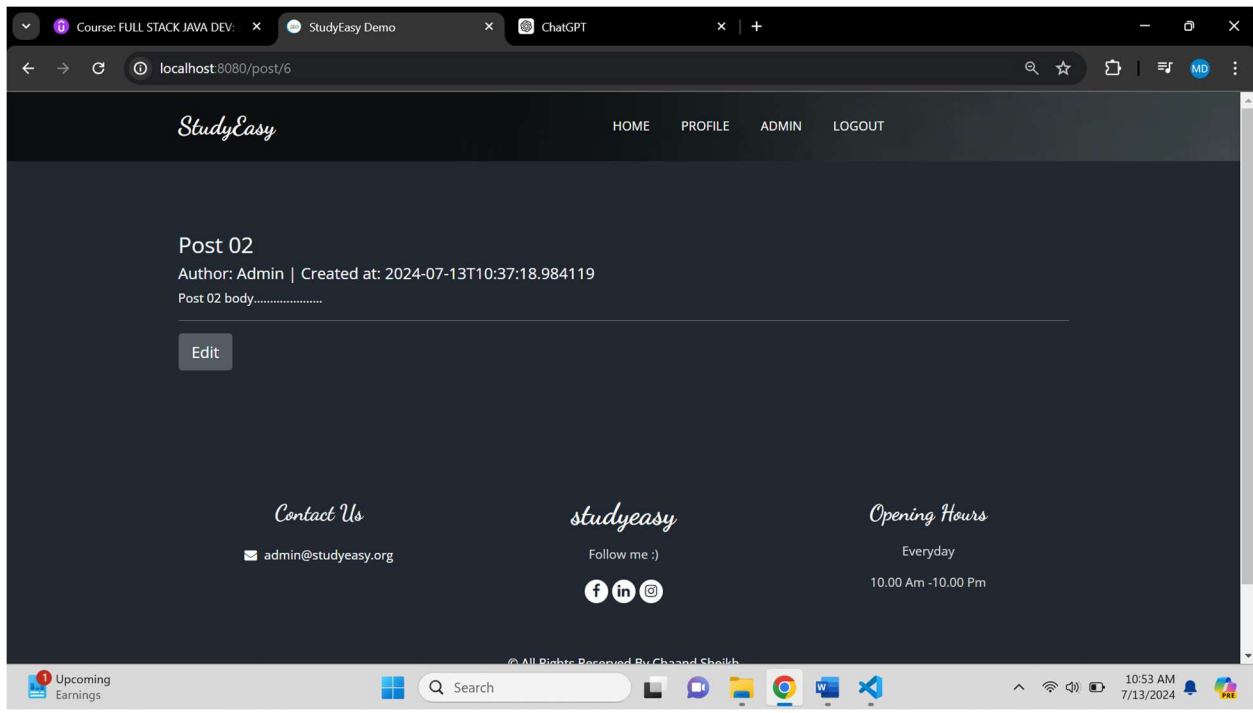


### No access for admin

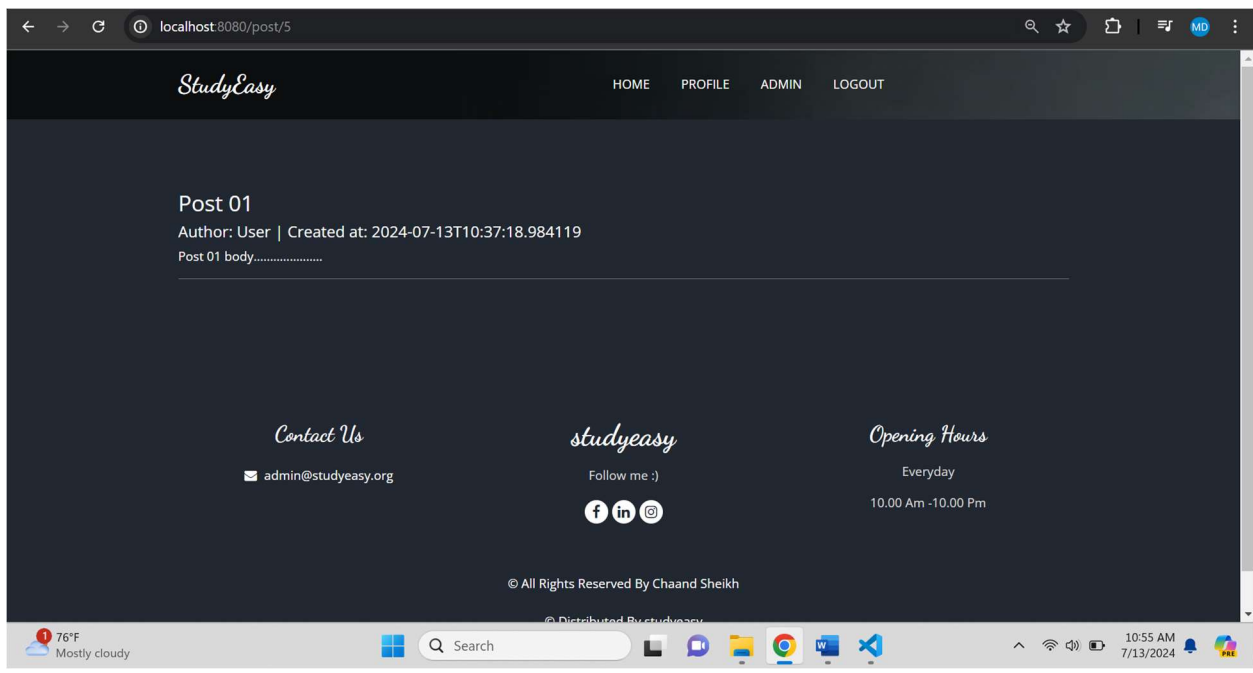


### Case 2 : Login as Admin

#### Access is there for Admin

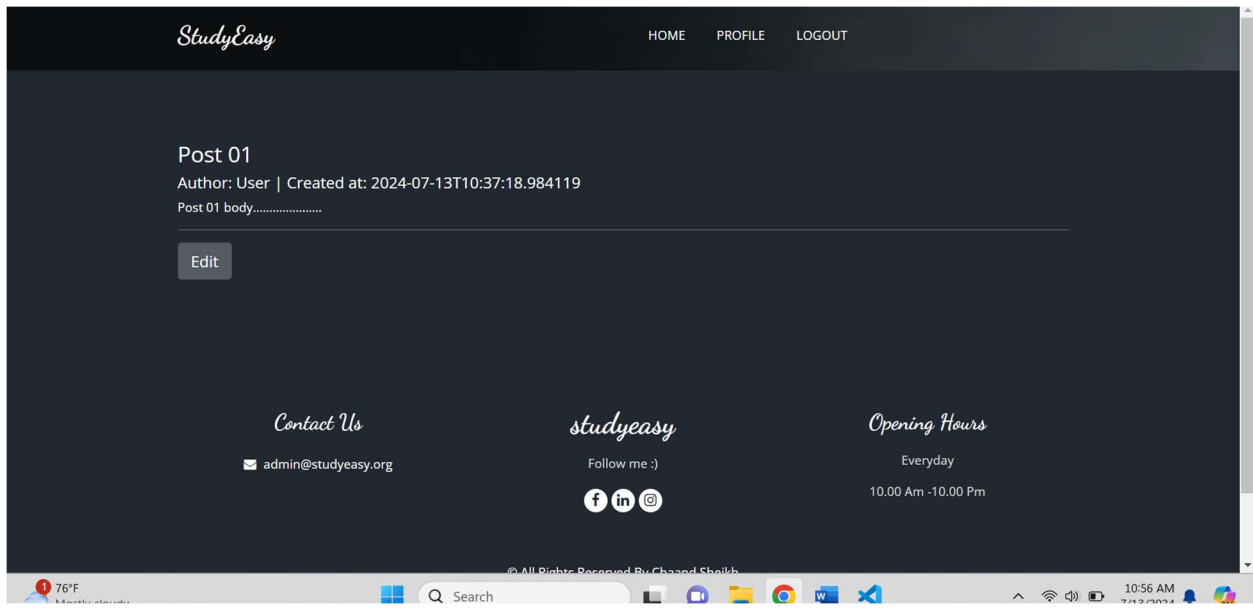


## Access is not there for user

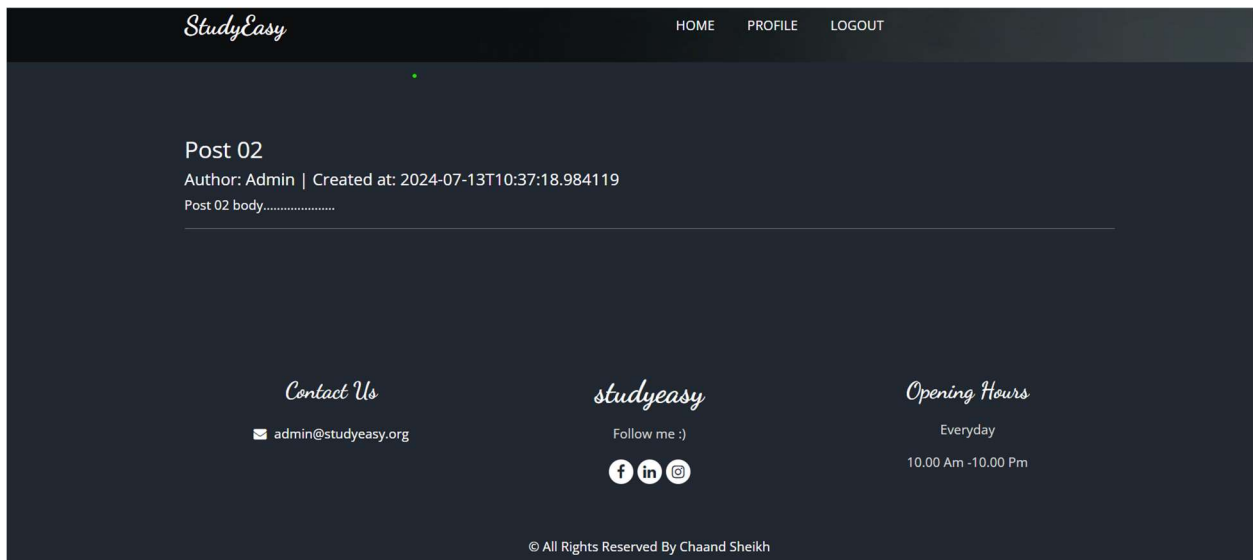


## Case 3 : Login as User

## Access is there for User



## Access is not there for admin



## Add Post – Allowed only to the user

```
<span sec:authorize="isAuthenticated()">
  <li class="nav-item">
    <a class="nav-link" href="/add_post">Add Post</a>
  </li>
</span>
```

```

<!DOCTYPE html>
<html lang="en"
xmlns:th="http://www.thymeleaf.org"
xmlns:sec="http://www.thymeleaf.org/extras/spring-security">

<!-- header section strats -->
<header class="header_section">
    <div class="container">
        <nav class="navbar navbar-expand-lg custom_nav-container ">
            <a class="navbar-brand" href="index.html">
                <span>
                    StudyEasy
                </span>
            </a>

            <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
                <span class=""> </span>
            </button>

            <div class="collapse navbar-collapse" id="navbarSupportedContent">
                <ul class="navbar-nav mx-auto ">
                    <li class="nav-item ">
                        <a class="nav-link" href="/">Home </a>
                    </li>
                    <span sec:authorize="!isAuthenticated()">
                    <li class="nav-item">
                        <a class="nav-link" href="/register">Register</a>
                    </li>
                    </span>
                    <span sec:authorize="!isAuthenticated()">
                    <li class="nav-item">
                        <a class="nav-link" href="/login">login</a>
                    </li>
                    </span>
                    <span sec:authorize="isAuthenticated()">
                    <li class="nav-item">
                        <a class="nav-link" href="/profile">Profile</a>
                    </li>
                    </span>
                    <span sec:authorize="isAuthenticated()">
                    <li class="nav-item">
                        <a class="nav-link" href="/add_post">Add Post</a>
                    </li>
                </ul>
            </div>
        </nav>
    </div>

```



```

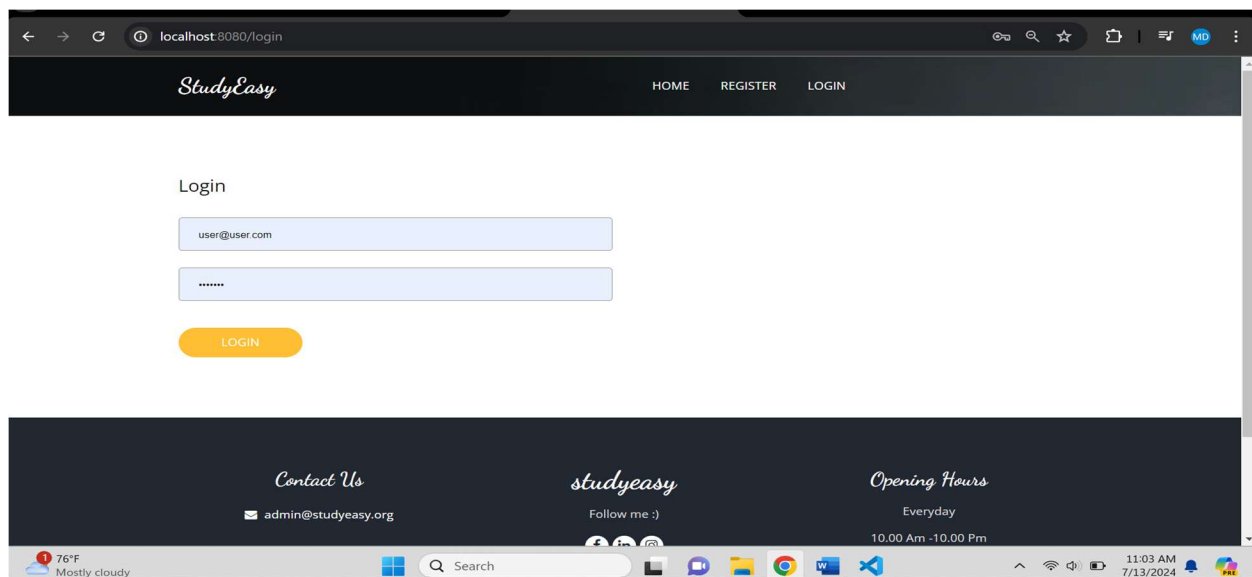
</span>
<span sec:authorize="hasRole('ROLE_ADMIN')">
  <li class="nav-item">
    <a class="nav-link" href="/admin">admin</a>
  </li>
</span>
<!-- <span sec:authorize="hasAuthority('ACCESS_ADMIN_PANEL')">
  <li class="nav-item">
    <a class="nav-link" href="/admin">admin</a>
  </li>
</span> -->

<span sec:authorize="isAuthenticated()">
  <li class="nav-item">
    <a class="nav-link" href="/logout">logout</a>
  </li>
</span>
</ul>
</div>
</nav>
</div>
</header>
<!-- end header section -->

</html>

```

## Output – Login as user



Added

### Post 01

Author: User | Created at: 2024-07-13T10:37:18.984119

Post 01 body.....

### Post 02

Author: Admin | Created at: 2024-07-13T10:37:18.984119

Post 02 body.....

#### Contact Us

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