

**IT314 Software Engineering**  
**Online Complaint Management System**  
**GUI Testing**

**Group - 4**

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## 1. Register.

← → ↻ 127.0.0.1:8000/register/ Relaunch to update

**Complaint Management System** Home About Register Login

### Register



**Username\***

Required. 150 characters or fewer. Letters, digits and @/./+/-/\_ only.

**First name\***

**Last name\***

**Email\***

Required. Enter a valid email address.

**Password\***

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

2023 Complaint Management System

← → ↻ 127.0.0.1:8000/register/ Relaunch to update

Required. Enter a valid email address.

**Password\***

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

**Password confirmation\***

**This password is too common.**

**This password is entirely numeric.**

Enter the same password as before, for verification.

**Contact number**

123467890

**Phone number must be entered in the format: Up to 10 digits allowed.**

**Branch\***

ICT

**Sign Up**

2023 Complaint Management System

1. If any field that is required is empty the user gets redirected to the same page with a instruction to fill up the correct details

2. If any invalid password or Contact Number is entered the error is highlighted in red below the “Password Confirmation” & the “Contact Number” fields respectively
3. Font sizes are appropriate enough for reading which satisfy readability criteria.
4. Tab buttons are working properly, when a tab is pressed from an email it will jump to the next field.
5. Input boxes for all the fields are aligned properly along with their respective labels.
6. Logo is clearly visible in the left side of the page

## 2. Login.

The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/signin/". The page title is "Complaint Management System". The navigation bar includes links for "Home", "About", "Register", and "Login". The main content area is titled "Log In" and contains the following elements:

- A "Username\*" label above a text input field.
- A "Password\*" label above a text input field.
- A blue "Login" button.
- Two social login options: "Login with Google" (with the Google logo) and "Login with GitHub" (with the GitHub logo).
- A link "Need An Account?" followed by a blue "Sign Up" button.
- A blue "Forgot Password?" button.

The footer of the page displays "2023 Complaint Management System" and a small circular logo.

← → ↻ 127.0.0.1:8000/signin/ Relaunch to update

## Complaint Management System


Home About Register Login

### Log In


Username\*

Password\*

[Login](#) ! Please fill out this field.



Login with Google



Login with GitHub

Need An Account? [Sign Up](#)

[Forgot Password?](#)

2023 Complaint Management System

← → ↻ 127.0.0.1:8000/signin/ Relaunch to update

## Complaint Management System

Home About Register Login


### Log In

- Please enter a correct username and password. Note that both fields may be case-sensitive.


Username\*

Password\*

[Login](#)



Login with Google



Login with GitHub

2023 Complaint Management System

1. If the email and/or password is empty then we get a clear dialog box below the field instructing to complete the data
2. On the other hand, if an incorrect password or email is entered then we get an error dialog box in red at the top of the page
3. The “Login with Google” & “Login with GitHub” buttons are aligned and working. Clicking on them redirects the user to Google login and GitHub Login respectively with the input fields.
4. Input boxes for email and password are aligned properly along with their respective labels.
5. Font sizes are appropriate enough for reading which satisfy readability criteria.

6. Tab buttons are working properly, when a tab is pressed from an email it will jump to the password field.
7. The “Forgot Password” button is clearly visible and working. Clicking on it redirects the User to the Reset Password Page

## 2a. Reset Password

127.0.0.1:8000/password-reset/

Complaint Management System

Home About Register Login

Reset Password

Email\*

Request  
Password  
Reset

2023 Complaint Management System

127.0.0.1:8000/password-reset/

Complaint Management System

Home About Register Login

Reset Password

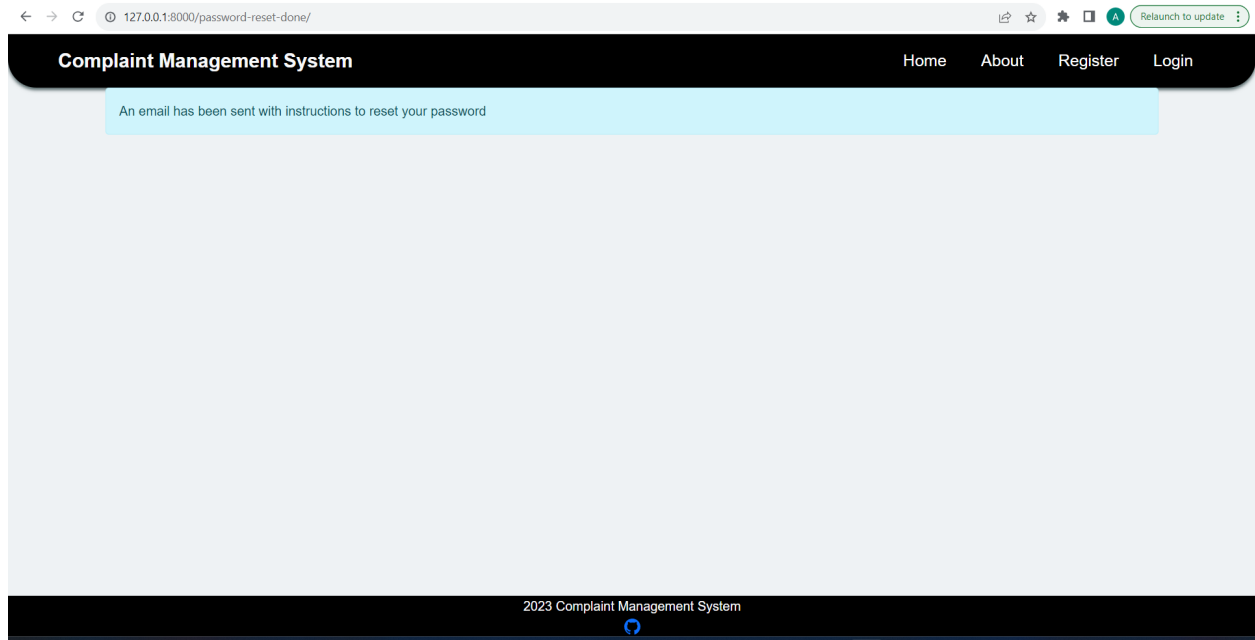
Email\*

ckvndsk

Please include an '@' in the email address. 'ckvndsk' is missing an '@'.

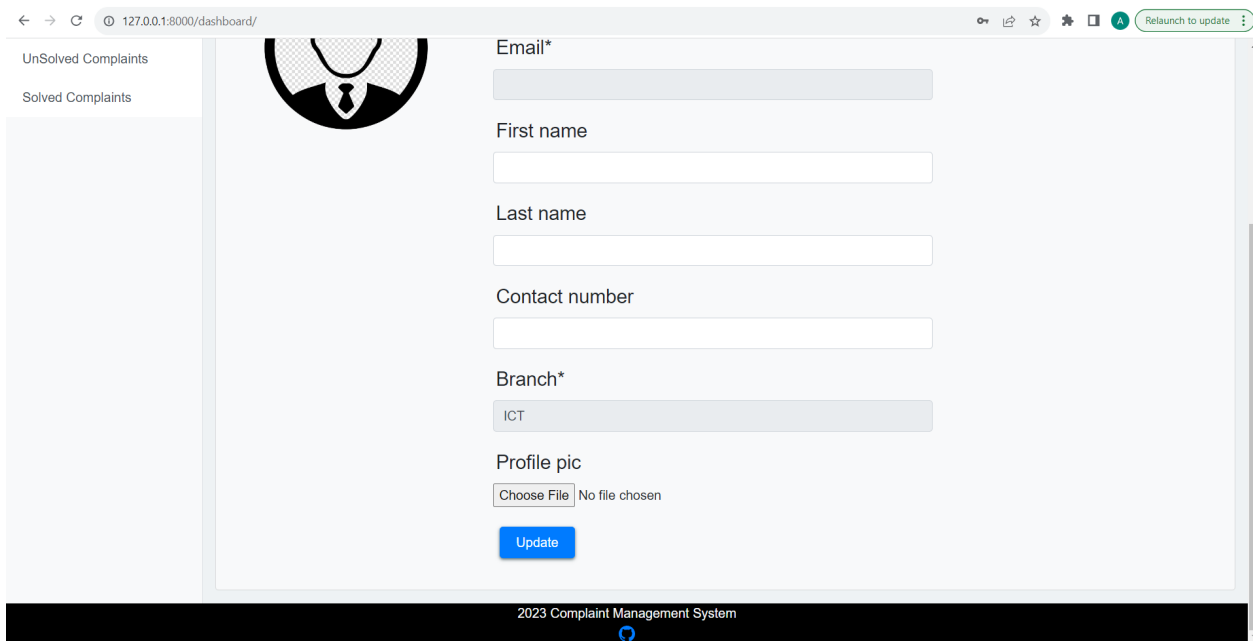
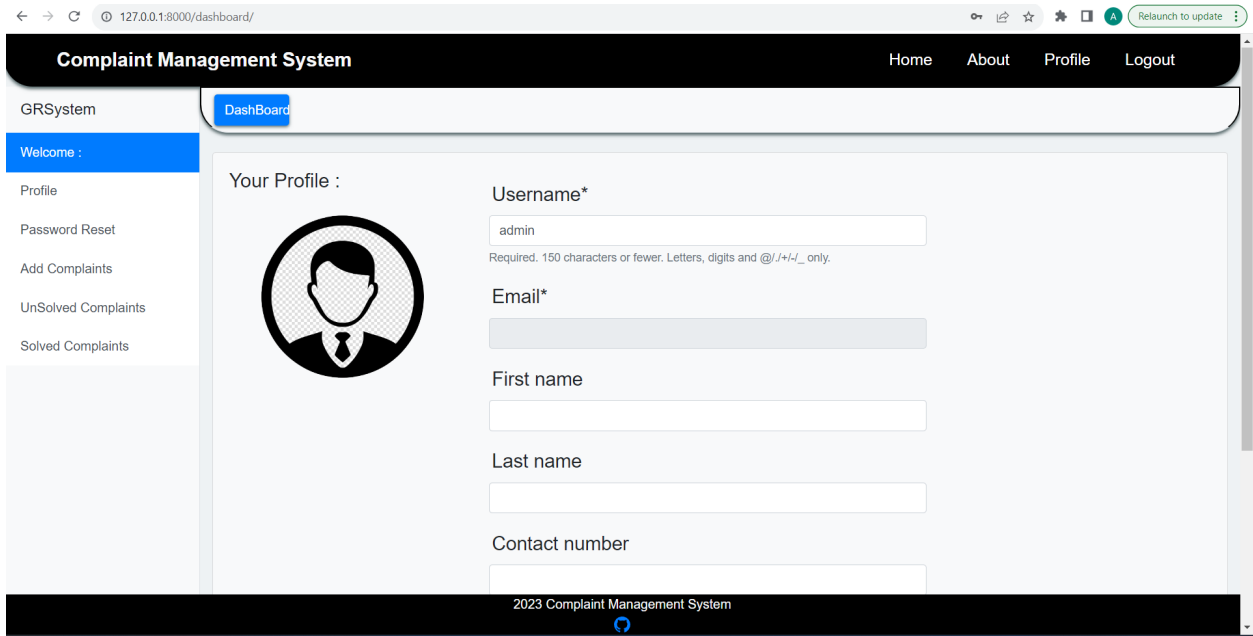
Request  
Password  
Reset

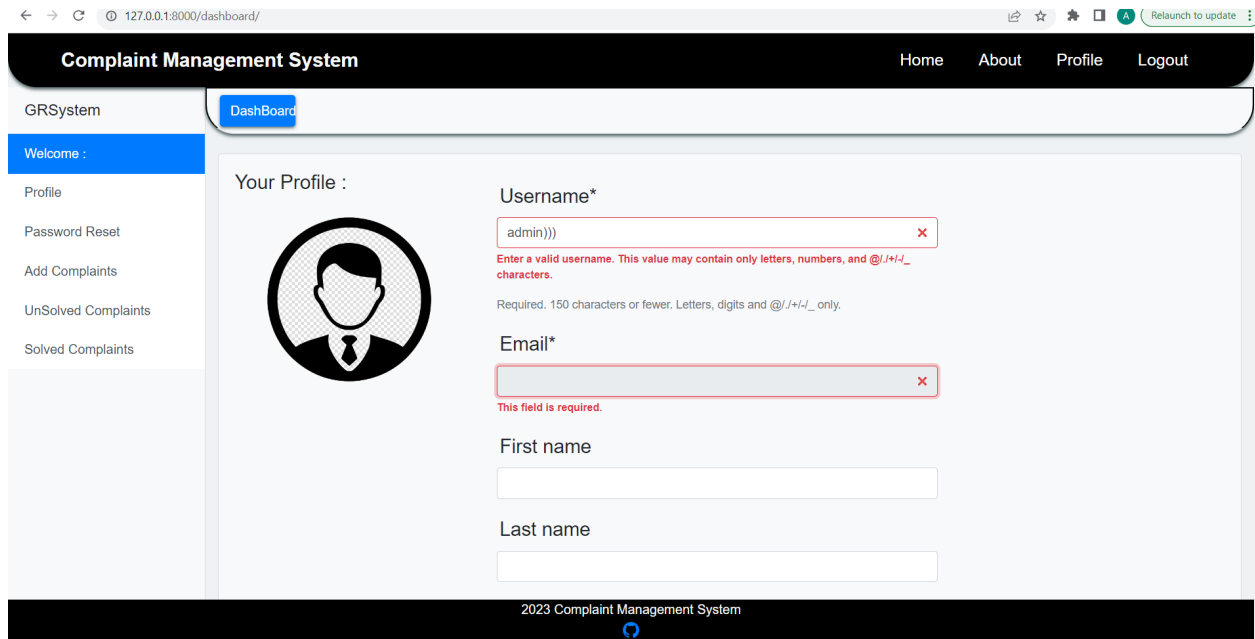
2023 Complaint Management System



1. If the Email field is left empty or an incorrect password is entered, a dialog box appears below instructing the user to change that.
2. Font sizes are appropriate enough for reading which satisfy readability criteria.
3. The text in the “Request Password Reset” button is not aligned properly with the box
4. Once correct email address is entered, a green coloured-success box appears on the page at the top

### 3. Student Profile





1. After login successfully, student will be redirected to this page.
2. The dashboard button at the top allows user to toggle between "full profile view" and "sidebar view" included seamlessly
3. The buttons at the top right corner become elliptical and white in color when hovered over or clicked
4. All the buttons in the sidebar menu are working
5. Any wrong (incorrect or empty) values leads to a red error message below the field
6. The Profile Picture is visible clearly near the Left-hand side of the page
7. Tab buttons are working properly, when a tab is pressed from an email it will jump to the next field.
8. Input boxes for all the fields are aligned properly along with their respective labels.
9. Font sizes are appropriate enough for reading which satisfy readability criteria.

### 3a. Add complaint



Complaint Management System

Home About Profile Logout

GRSystem

DashBoard

Welcome :

Profile

Password Reset

Add Complaints

UnSolved Complaints

Solved Complaints

Add Complaints :

Subject\*

This field is required.

Type of complaint\*

This field is required.

Description\*

This field is required.

2023 Complaint Management System

Complaint Management System

Home About Profile Logout

GRSystem

DashBoard

Welcome :

Profile

Password Reset

Add Complaints

UnSolved Complaints

Solved Complaints

Add Complaints :

Subject\*

This field is required.

Type of complaint\*

This field is required.

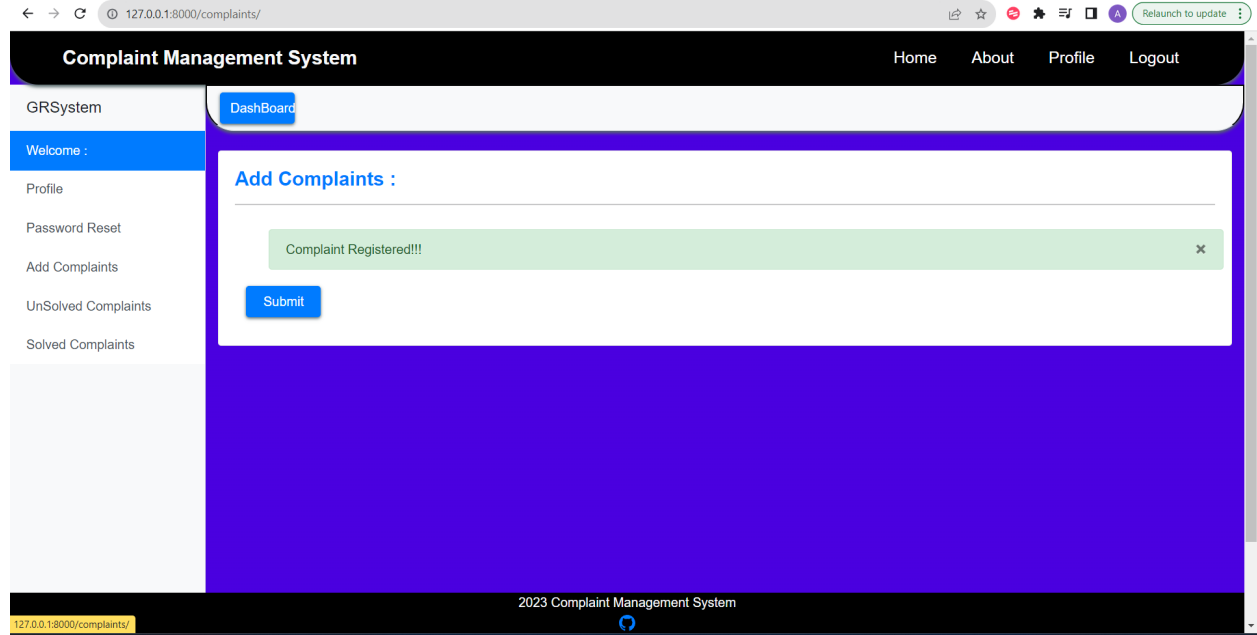
Description\*

This field is required.

Submit

2023 Complaint Management System

1. After clicking on the Add complaint button the student is redirected to this page.
2. There is a prompt in red below each input field instructing the user to not leave the fields empty
3. All the buttons in the sidebar menu are working
4. Input boxes for all the fields are aligned properly along with their respective labels.
5. Font sizes are appropriate enough for reading which satisfy readability criteri



1. The Student is redirected to this page after successfully registering a complaint
2. The "Submit" below it redirects user back to add complaint page
3. The buttons on the sidebar have the same functionality as on the Add Complaint page
4. The font is the "Complaint Registered" dialog box is clearly visible

### 3b. UnSolved Complaints

Complaint Management System

HomeAboutProfileLogout

GRSystem

Dashboard

Welcome :

Profile

Password Reset

Add Complaints

UnSolved Complaints

Solved Complaints

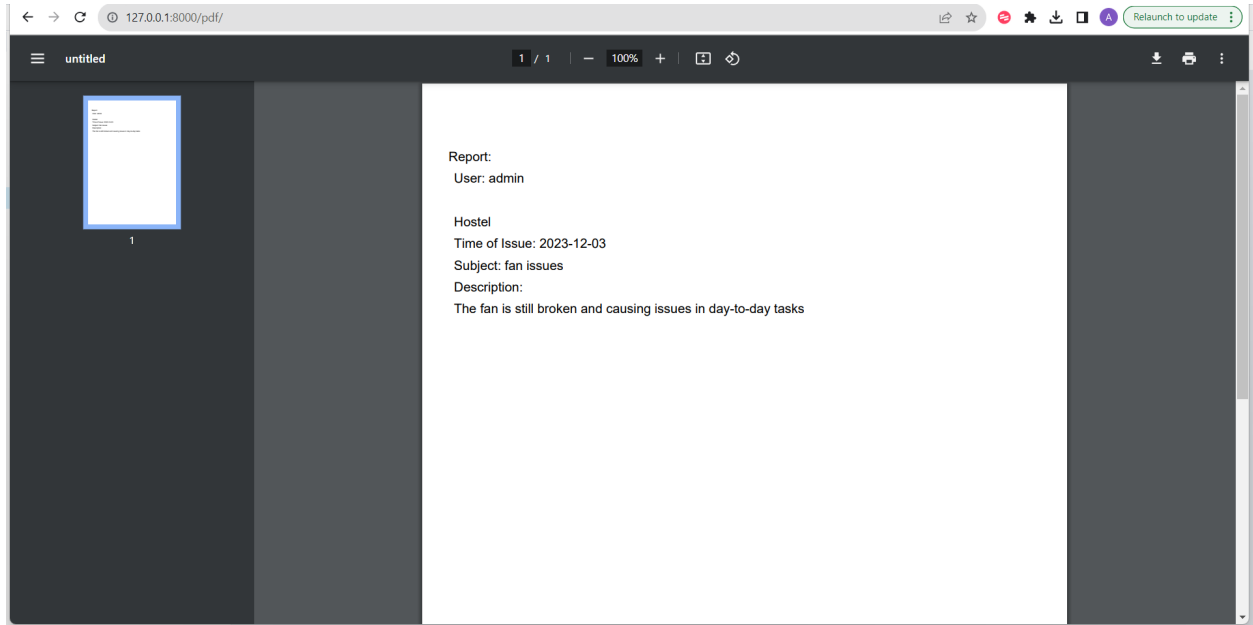
UnSolved Complaints Table

ID	UserID	Subject	Complaint Type	Issued date	Desc	Status
1	admin	fan issues	Hostel	Dec. 3, 2023	<div>Details</div>	Pending

2023 Complaint Management System

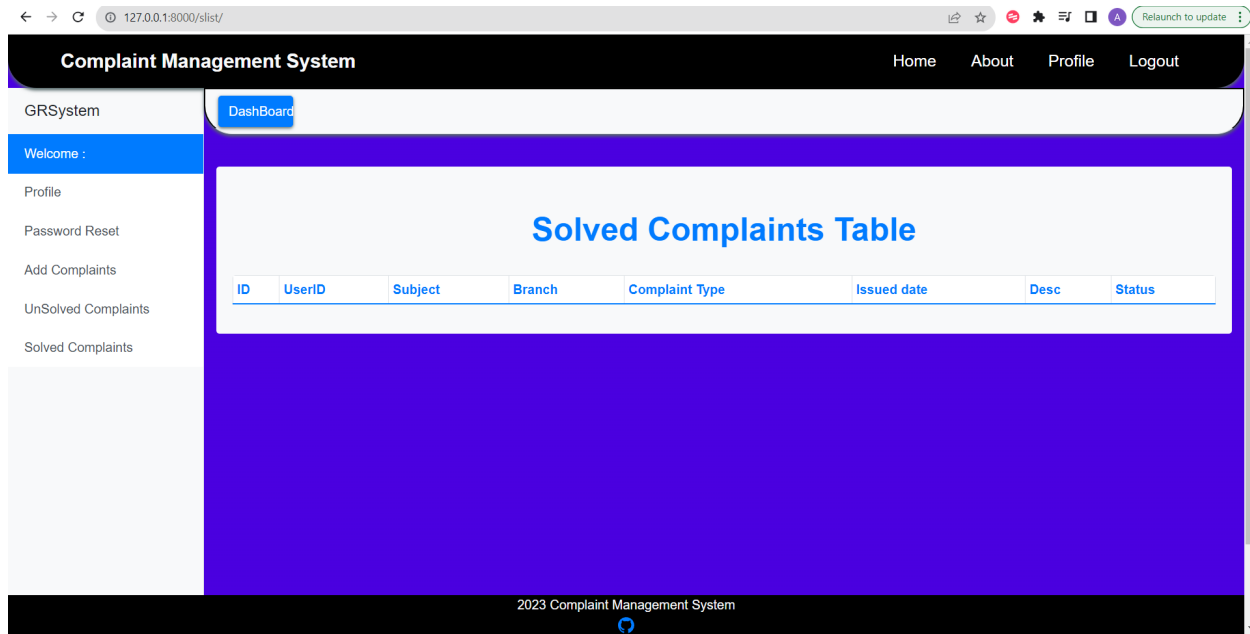
UnSolved Complaints Table

ID	UserID	Subject	Complaint Type	Issued date	Desc	Status
1	admin	fan issues	Hostel	Dec. 3, 2023	<div>Details</div>	Pending



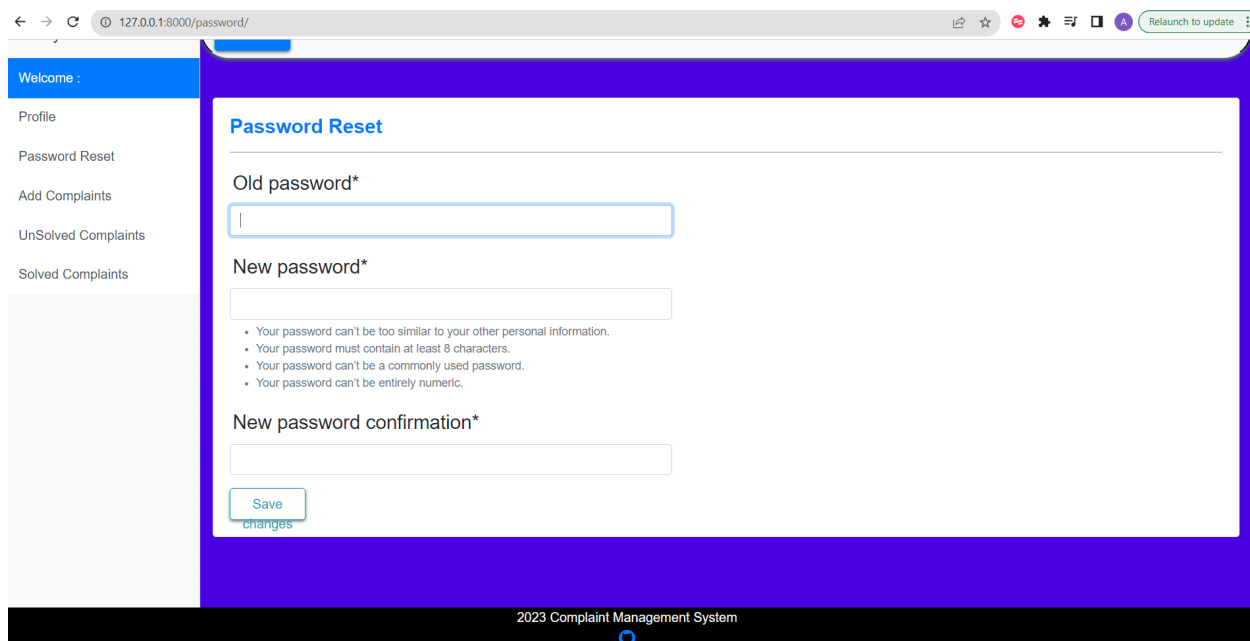
1. User is redirected here after clicking on the “Unsolved Complaints” button
2. The “details “ button is white in color but becomes blue when you hover or click over it
3. “The details” button opens up a pdf when clicked over it
4. The “Pending” in Status section is in red text
5. Font sizes are appropriate enough for reading which satisfy readability criteria.
6. The buttons on the sidebar have the same functionality as on the Add Complaint page

### 3c. Solved Complaints



1. User is redirected here after clicking on the "Solved Complaints" button
2. All Solved Complaints made by that particular student is visible in this table
3. Font sizes are appropriate enough for reading which satisfy readability criteria.
4. The buttons on the sidebar have the same functionality as on the Add Complaint page

### 3.d Password Reset



127.0.0.1:8000/password/

Welcome :

Profile

Password Reset

Add Complaints

UnSolved Complaints

Solved Complaints

### Password Reset

Please correct the error below.

Old password\*

New password\*

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

New password confirmation\*

This password is too common.

This password is entirely numeric.

Save

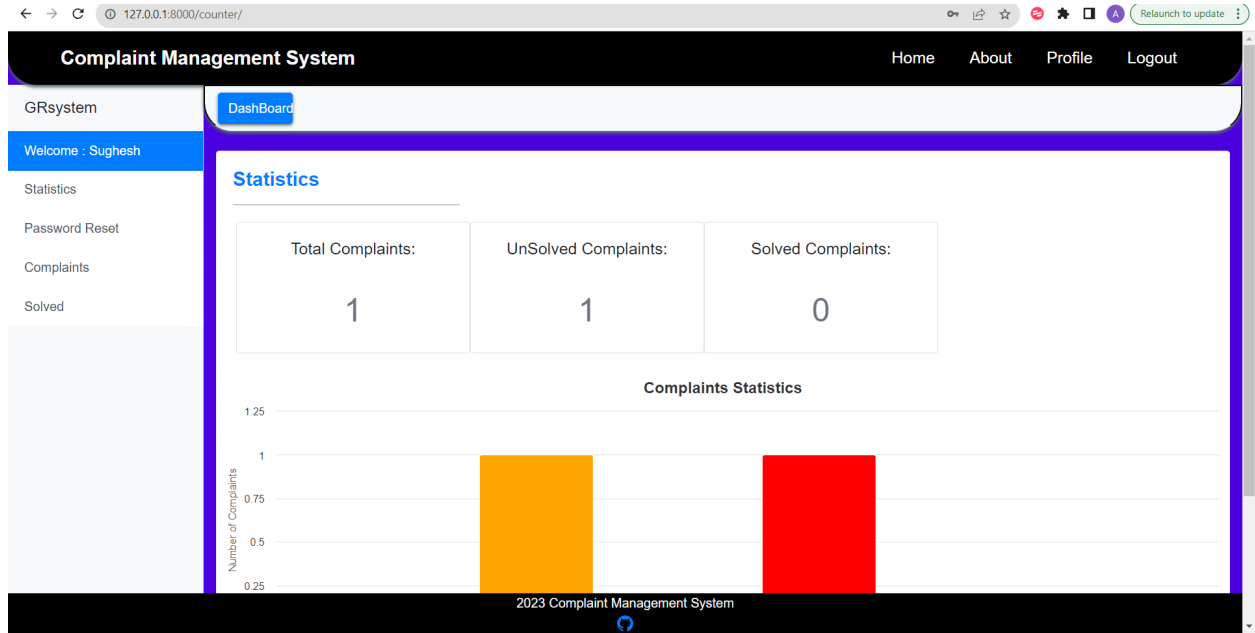
changes

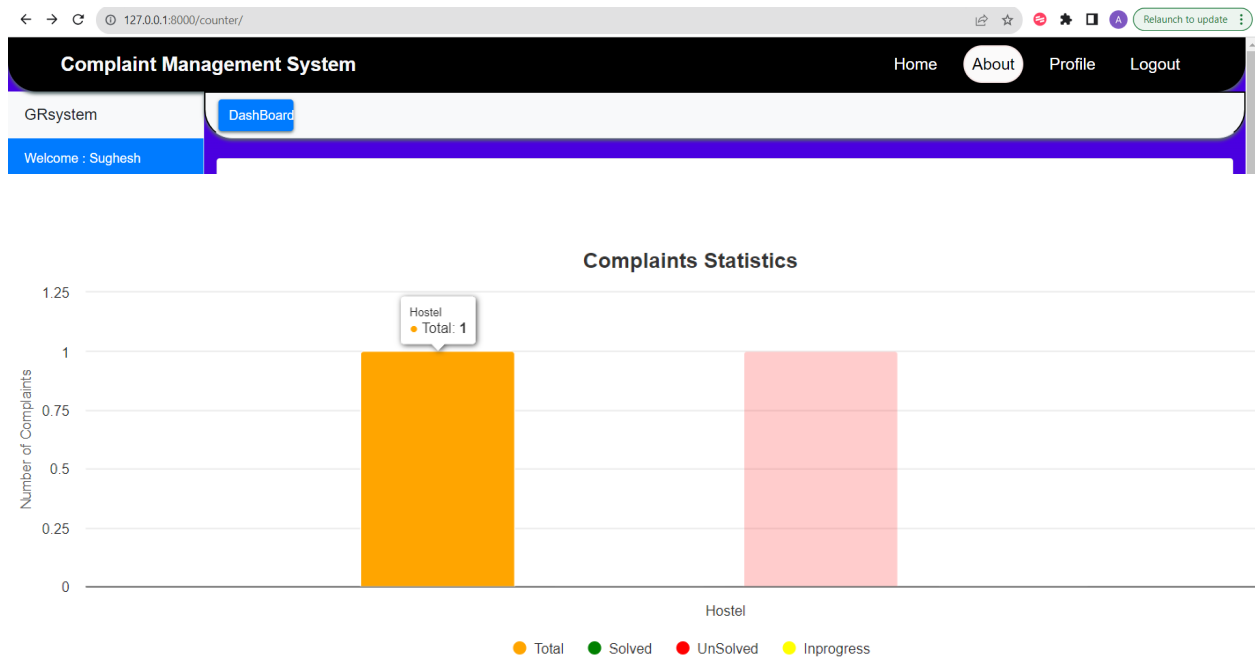
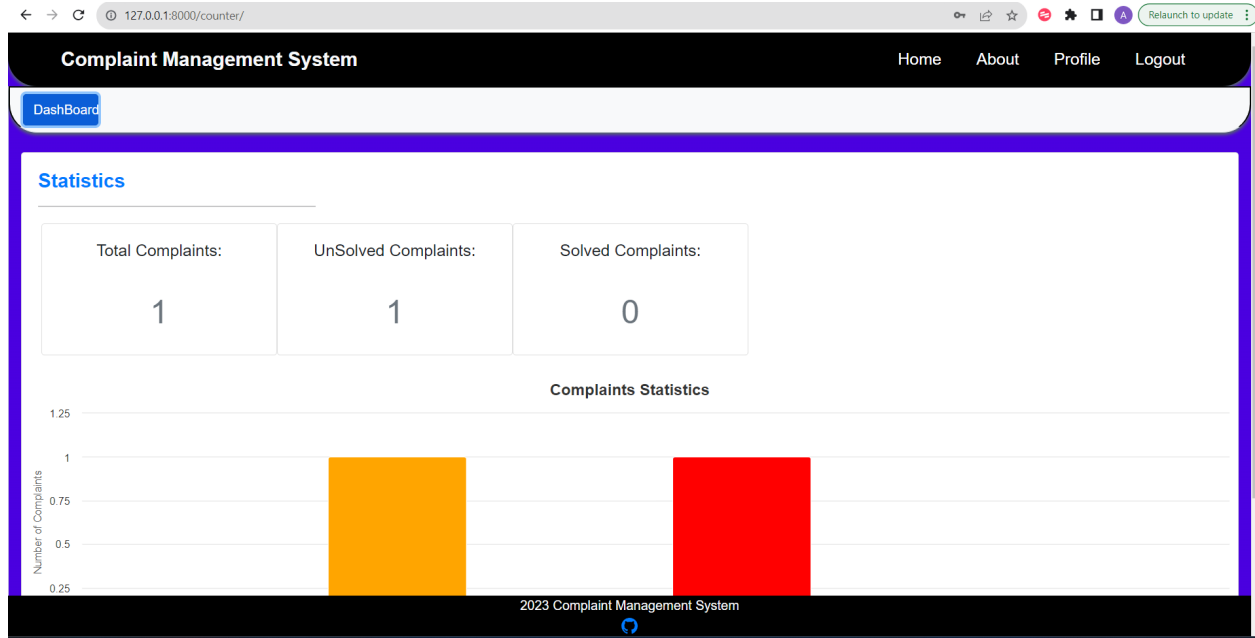
2023 Complaint Management System

1. User is redirected here after clicking on the “Reset Password” button
2. Input boxes are aligned properly along with their respective labels.
3. Font sizes are appropriate enough for reading which satisfy readability criteria.
4. Tab buttons are working properly, when a tab is pressed from an email it will jump to the password field.
5. The “Save Changes” button is not properly aligned with the text
6. When any input is filled incorrectly, we get a “yellow box” at the top instructing the user to correct the error
7. There is also a red error message below the “New Password Confirmation” box
8. The buttons on the sidebar have the same functionality as on the Add Complaint page

## 4. Supervisor Profile

## 4a Complaint Statistics





1. After entering correct Supervisor credentials, user is redirected to this page
2. The dashboard button at the top allows user to toggle between "full profile view" and "sidebar view included" seamlessly
3. The buttons at the top right corner become elliptical and white in color when hovered over or clicked
4. All the buttons in the sidebar menu are working
5. The graphs give a numerical count when hovered over them
6. The graphs are represented in four colors as represented in the 4 radio buttons below the graph



- Input boxes for all the fields are aligned properly along with their respective labels.
- Font sizes are appropriate enough for reading which satisfy readability criteria.

## 4b. Complaints

The screenshot shows a web browser at the URL `127.0.0.1:8000/allcomplaints/?search=&drop1=Hostel`. The application is titled "Complaint Management System" and has a navigation bar with links: Home, About, Profile, and Logout. A sidebar on the left lists: GRSystem, Welcome :, Statistics, Password Reset, Complaints, and Solved. The main content area features a "Complaints Table" with the following data:

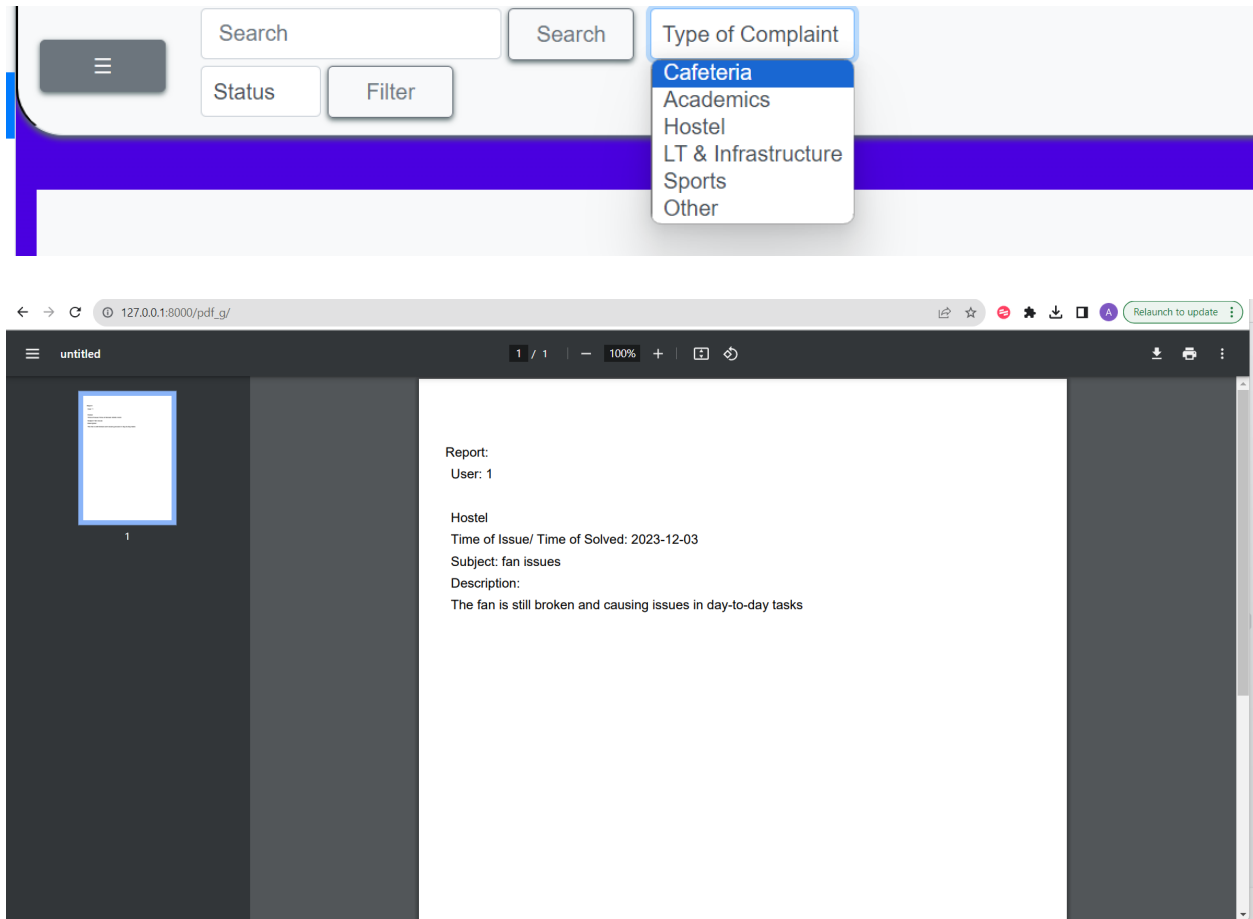
ID	UserID	Subject	Complaint Type	Issued date	Description	Status	Update	
1	cpm01	fan issues	Hostel	Dec. 3, 2023	<button>Details</button>	Pending	<button>Pending</button>	<button>Submit</button>

The footer of the application reads "2023 Complaint Management System".

This close-up view highlights the "Complaints Table" and the search/filter controls. The table data is identical to the previous screenshot:

ID	UserID	Subject	Complaint Type	Issued date	Description	Status	Update	
1	cpm01	fan issues	Hostel	Dec. 3, 2023	<button>Details</button>	Pending	<button>Pending</button>	<button>Submit</button>

Below the table, the search and filter controls are visible, including a search input field, a "Search" button, a "Type of Complaint" dropdown, and "Status" and "Filter" buttons.



1. User is redirected here after clicking on the “Complaints” button
2. Buttons like “Details”, “Filter”, “Submit” & “Search” are white in color but become grey when hovered over or clicked
3. “The details” button opens up a pdf when clicked over it
4. The “Type of complaint ” box gives a drop-down menu when clicked on it. The User can select a particular Category and can then click the “filter” button to get the required complaints only
5. The gray button with 3 lines in the right corner can be used to toggle between “full profile view” and “sidebar view included” seamlessly
6. Input boxes are aligned properly along with their respective labels.
7. Font sizes are appropriate enough for reading which satisfy readability criteria.

#### 4c. Password Reset

Complaint Management System

Home About Profile Logout

GRSystem

Dashboard

Welcome :

Statistics

Password Reset

Complaints

Solved

### Password Reset

Old password\*

New password\*

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

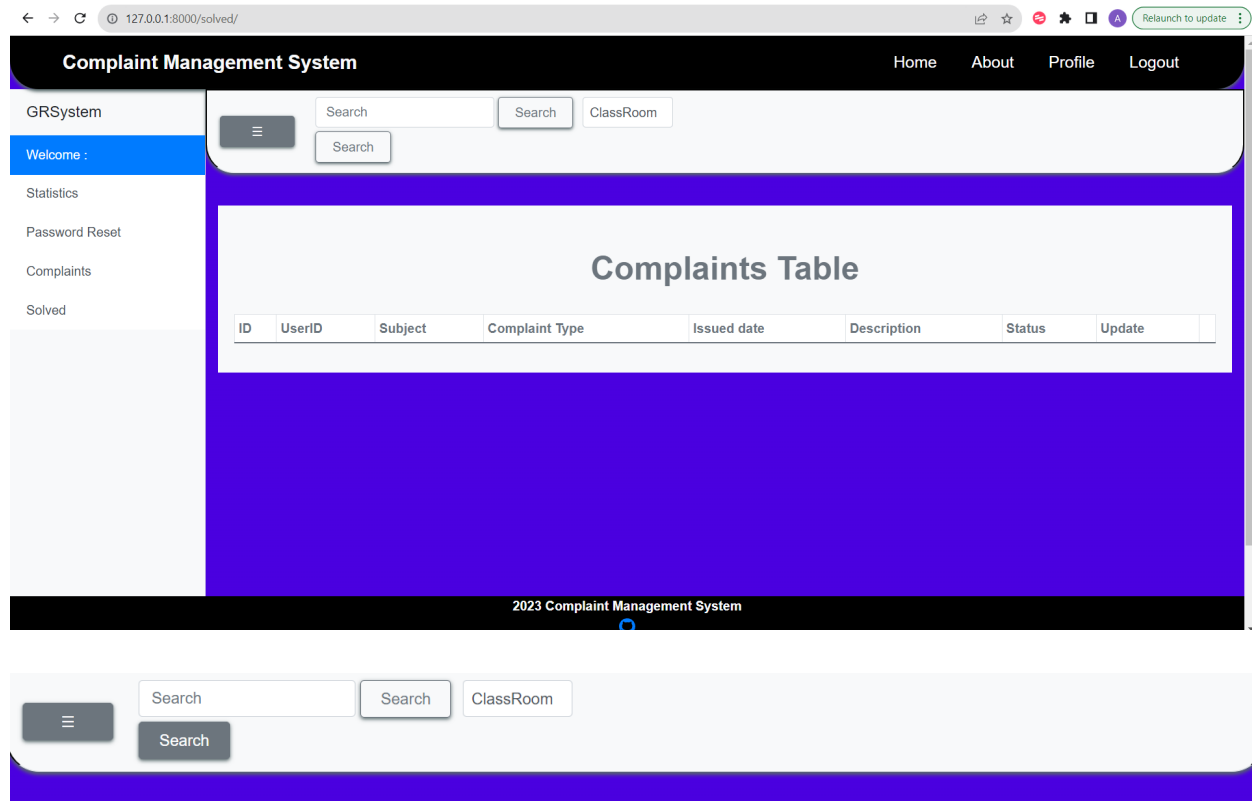
New password confirmation\*

Save changes

2023 Complaint Management System

1. User is redirected here after clicking on the “Reset Password” button
2. Input boxes are aligned properly along with their respective labels.
3. Font sizes are appropriate enough for reading which satisfy readability criteria.
4. Tab buttons are working properly, when a tab is pressed from an email it will jump to the password field.
5. The “Save Changes” button is not properly aligned with the text
6. When any input is filled incorrectly, we get a “yellow box” at the top instructing the user to correct the error
7. There is also a red error message below the “New Password Confirmation” box
8. The buttons on the sidebar have the same functionality as on the Complaint Statistics page

#### 4d. Solved



1. User is redirected here after clicking on the “Solved” button
2. Buttons like “Details,” “Filter”, “Submit” & “Search” are white in color but become grey when hovered over or clicked
3. The “Type of complaint ” box gives a drop-down menu when clicked on it. The User can select a particular Category and can then click the “filter” button to get the required complaints only
4. The gray button with 3 lines in the right corner can be used to toggle between “full profile view” and “sidebar view included” seamlessly
5. Input boxes are aligned properly along with their respective labels.
6. Font sizes are appropriate enough for reading which satisfy readability criteria.
7. The buttons on the sidebar have the same functionality as on the Complaint Statistics page

## Code:

```
# Generated by Selenium IDE
```

```
import pytest
```

```
import time

import json

from selenium import webdriver

from selenium.webdriver.common.by import By

from selenium.webdriver.common.action_chains import ActionChains

from selenium.webdriver.support import expected_conditions

from selenium.webdriver.support.wait import WebDriverWait

from selenium.webdriver.common.keys import Keys

from selenium.webdriver.common.desired_capabilities import
DesiredCapabilities


class TestRegistration():

    def setup_method(self, method):

        self.driver = webdriver.Chrome()

        self.vars = {}

    def teardown_method(self, method):

        self.driver.quit()

    def test_registration(self):

        self.driver.get("http://127.0.0.1:8000/")

        self.driver.set_window_size(1536, 816)

        self.driver.find_element(By.LINK_TEXT, "Register").click()

        self.driver.find_element(By.ID, "id_username").send_keys("Salim")
```

```
self.driver.find_element(By.ID, "id_first_name").click()

self.driver.find_element(By.ID, "id_first_name").send_keys("Salim")

self.driver.find_element(By.ID, "id_last_name").click()

self.driver.find_element(By.ID, "id_last_name").send_keys("Singh")

self.driver.find_element(By.ID, "id_email").click()

self.driver.find_element(By.ID,
"id_email").send_keys("Salim22@gmail.com")

self.driver.find_element(By.ID, "id_password1").click()

self.driver.find_element(By.ID, "id_password1").send_keys("1a234567")

self.driver.find_element(By.ID, "id_password2").click()

self.driver.find_element(By.ID, "id_password2").send_keys("1a234567")

self.driver.find_element(By.ID, "div_id_Branch").click()

self.driver.find_element(By.ID, "id_contact_number").click()

self.driver.find_element(By.ID,
"id_contact_number").send_keys("2345678901")

self.driver.find_element(By.CSS_SELECTOR, ".btn").click()
```

```
def test_login(self):
```

```
self.driver.get("http://127.0.0.1:8000/")
```

```
self.driver.set_window_size(1536, 816)
```

```
self.driver.find_element(By.LINK_TEXT, "Login").click()
```

```
self.driver.find_element(By.ID, "id_username").send_keys("Salim")

self.driver.find_element(By.ID, "id_password").click()

self.driver.find_element(By.ID, "id_password").send_keys("1a234567")

self.driver.find_element(By.CSS_SELECTOR, "td:nth-child(2)
img").click()

self.driver.find_element(By.CSS_SELECTOR, ".text-muted .btn").click()

self.driver.find_element(By.CSS_SELECTOR, ".ml-2 > .btn").click()

self.driver.find_element(By.ID, "id_password").click()

self.driver.find_element(By.ID, "id_password").send_keys("1a234567")

self.driver.find_element(By.CSS_SELECTOR, ".form-group >
.btn").click()

self.driver.find_element(By.LINK_TEXT, "Logout").click()

def test_login(self):

    self.driver.get("http://127.0.0.1:8000/")

    self.driver.set_window_size(1536, 816)

    self.driver.find_element(By.LINK_TEXT, "Login").click()

    self.driver.find_element(By.ID, "id_username").send_keys("Salim")

    self.driver.find_element(By.ID, "id_password").click()

    self.driver.find_element(By.ID, "id_password").send_keys("1a234567")

    self.driver.find_element(By.CSS_SELECTOR, "td:nth-child(2)
img").click()

    self.driver.find_element(By.CSS_SELECTOR, ".text-muted .btn").click()

    self.driver.find_element(By.CSS_SELECTOR, ".ml-2 > .btn").click()

    self.driver.find_element(By.ID, "id_password").click()
```

```
self.driver.find_element(By.ID, "id_password").send_keys("1a234567")

self.driver.find_element(By.CSS_SELECTOR, ".form-group >
.btn").click()

self.driver.find_element(By.LINK_TEXT, "Logout").click()

def test_studentprofilefeatures(self):

self.driver.get("http://127.0.0.1:8000/dashboard/")

self.driver.set_window_size(1536, 816)

self.driver.find_element(By.LINK_TEXT, "Password Reset").click()

self.driver.find_element(By.ID, "id_old_password").send_keys("admin")

self.driver.find_element(By.ID, "id_new_password1").click()

self.driver.find_element(By.ID,
"id_new_password1").send_keys("1a234567")

self.driver.find_element(By.ID, "id_new_password2").click()

self.driver.find_element(By.ID,
"id_new_password2").send_keys("1a234567")

self.driver.find_element(By.CSS_SELECTOR, ".btn-outline-info").click()

self.driver.find_element(By.ID, "menu-toggle").click()

self.driver.find_element(By.ID, "menu-toggle").click()

self.driver.find_element(By.LINK_TEXT, "Add Complaints").click()

self.driver.find_element(By.ID, "id_Subject").click()

self.driver.find_element(By.ID, "id_Subject").send_keys("fan issues")

self.driver.find_element(By.ID, "id_Type_of_complaint").click()

dropdown = self.driver.find_element(By.ID, "id_Type_of_complaint")

dropdown.find_element(By.XPATH, "//option[. = 'Hostel']").click()
```



```

self.driver.find_element(By.ID, "id_Description").click()

self.driver.find_element(By.ID, "id_Description").send_keys("The fan
is still broken and causing issues in day-to-day tasks")

self.driver.find_element(By.CSS_SELECTOR, ".btn:nth-child(5)").click()

self.driver.find_element(By.LINK_TEXT, "Unsolved Complaints").click()

self.driver.find_element(By.LINK_TEXT, "Solved Complaints").click()

self.driver.find_element(By.LINK_TEXT, "Unsolved Complaints").click()

self.driver.find_element(By.CSS_SELECTOR, "tbody:nth-child(2)
.btn").click()

self.driver.find_element(By.LINK_TEXT, "Home").click()

self.driver.find_element(By.LINK_TEXT, "Logout").click()

def test_supervisorProfile(self):

self.driver.get("http://127.0.0.1:8000/counter/")

self.driver.set_window_size(1536, 816)

self.driver.find_element(By.CSS_SELECTOR,
".highcharts-point-hover").click()

self.driver.find_element(By.CSS_SELECTOR,
".highcharts-point-hover").click()

self.driver.find_element(By.ID, "menu-toggle").click()

self.driver.find_element(By.ID, "menu-toggle").click()

self.driver.find_element(By.LINK_TEXT, "Statistics").click()

self.driver.find_element(By.LINK_TEXT, "Welcome : Sughesh").click()

def test_supervisorProfileFeatures(self):

self.driver.get("http://127.0.0.1:8000/counter/")

self.driver.set_window_size(1536, 816)

```

```
self.driver.find_element(By.LINK_TEXT, "Password Reset").click()

self.driver.find_element(By.ID,
"id_old_password").send_keys("1a234567")

self.driver.find_element(By.ID, "id_new_password1").click()

self.driver.find_element(By.ID,
"id_new_password1").send_keys("1a234567")

self.driver.find_element(By.ID, "id_new_password2").click()

self.driver.find_element(By.ID,
"id_new_password2").send_keys("1a234567")

self.driver.find_element(By.CSS_SELECTOR, ".btn-outline-info").click()

self.driver.find_element(By.LINK_TEXT, "Statistics").click()

self.driver.find_element(By.LINK_TEXT, "Complaints").click()

self.driver.find_element(By.NAME, "pdf").click()

self.driver.find_element(By.CSS_SELECTOR, ".my-3").click()

self.driver.find_element(By.ID, "sel1").click()

dropdown = self.driver.find_element(By.ID, "sel1")

dropdown.find_element(By.XPATH, "//*[@option[. = 'Hostel']]").click()

self.driver.find_element(By.CSS_SELECTOR, ".my-3").click()

self.driver.find_element(By.ID, "menu-toggle").click()

self.driver.find_element(By.ID, "menu-toggle").click()

self.driver.find_element(By.NAME, "search").click()

self.driver.find_element(By.NAME, "search").send_keys("fan")

self.driver.find_element(By.CSS_SELECTOR, ".my-2").click()

self.driver.find_element(By.NAME, "search").click()
```

```
self.driver.find_element(By.NAME, "search").send_keys("table")

self.driver.find_element(By.CSS_SELECTOR, ".my-2").click()

self.driver.find_element(By.LINK_TEXT, "Solved").click()

self.driver.find_element(By.CSS_SELECTOR, ".my-2").click()
```