IT314 Software Engineering

Online Complaint Management System

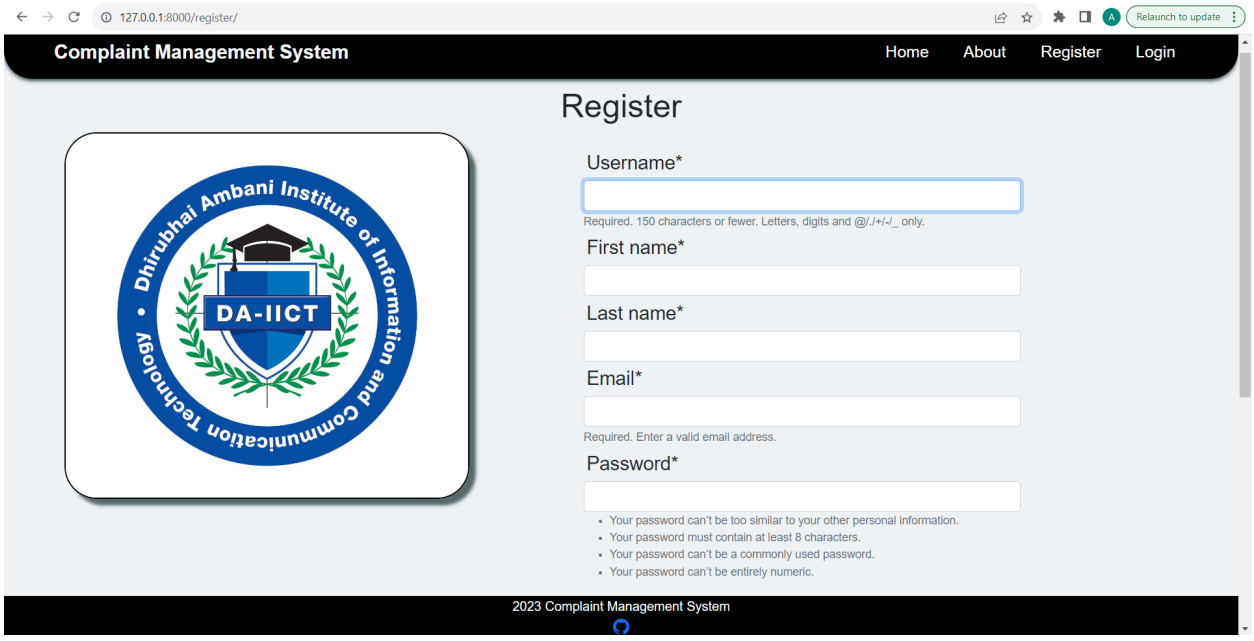
GUI Testing

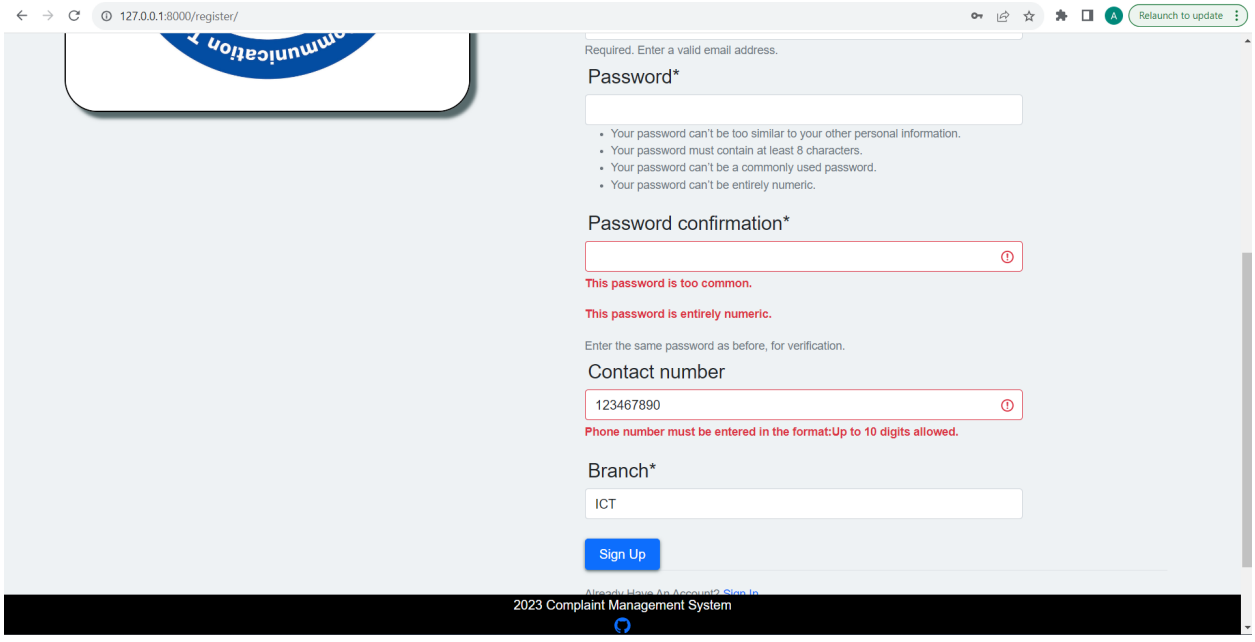
Group - 4

Instructor : Prof. Saurabh Tiwari

TA : Shrut

1. Register.

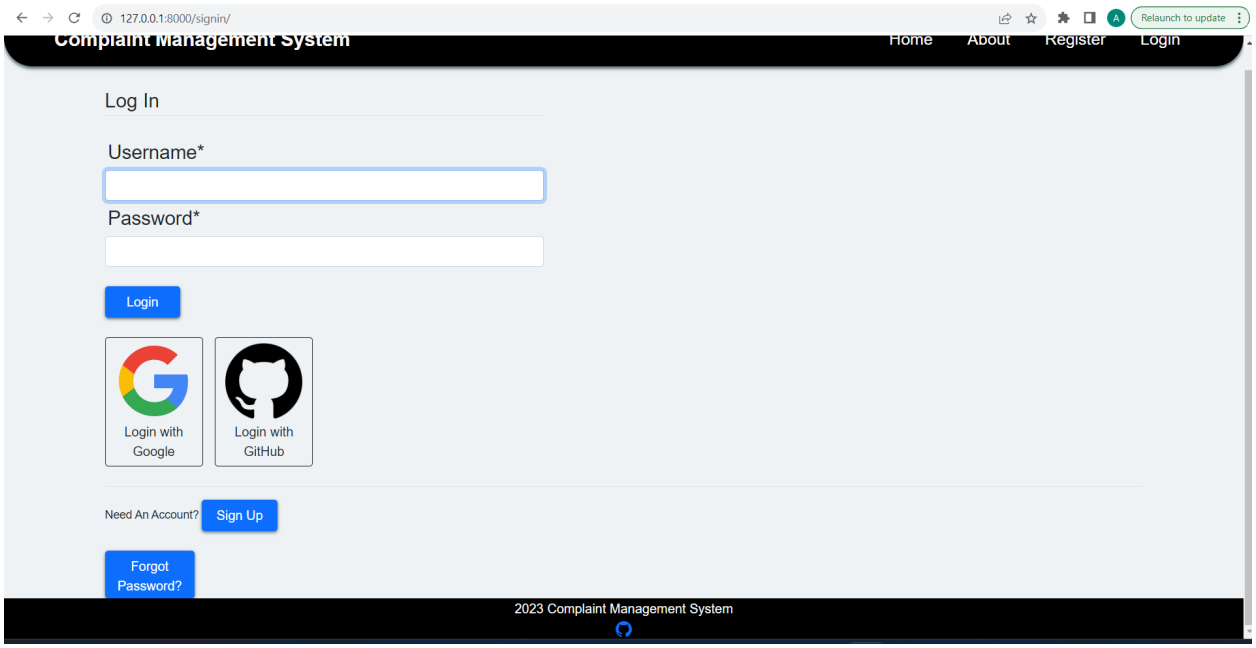


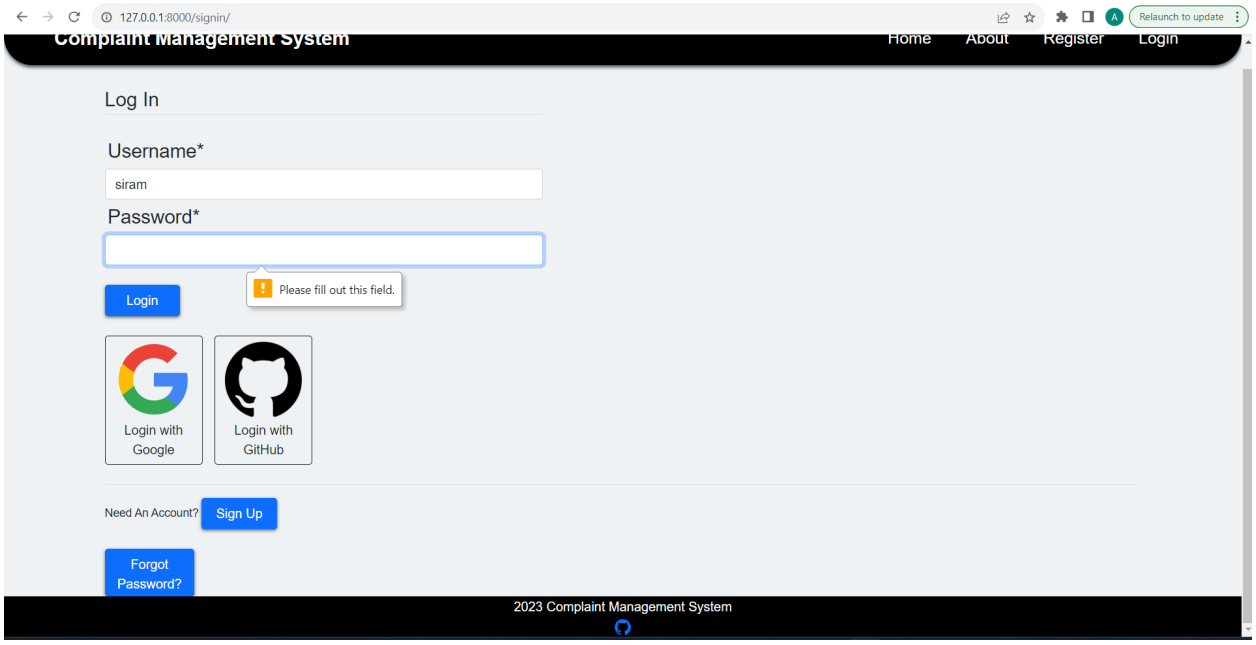


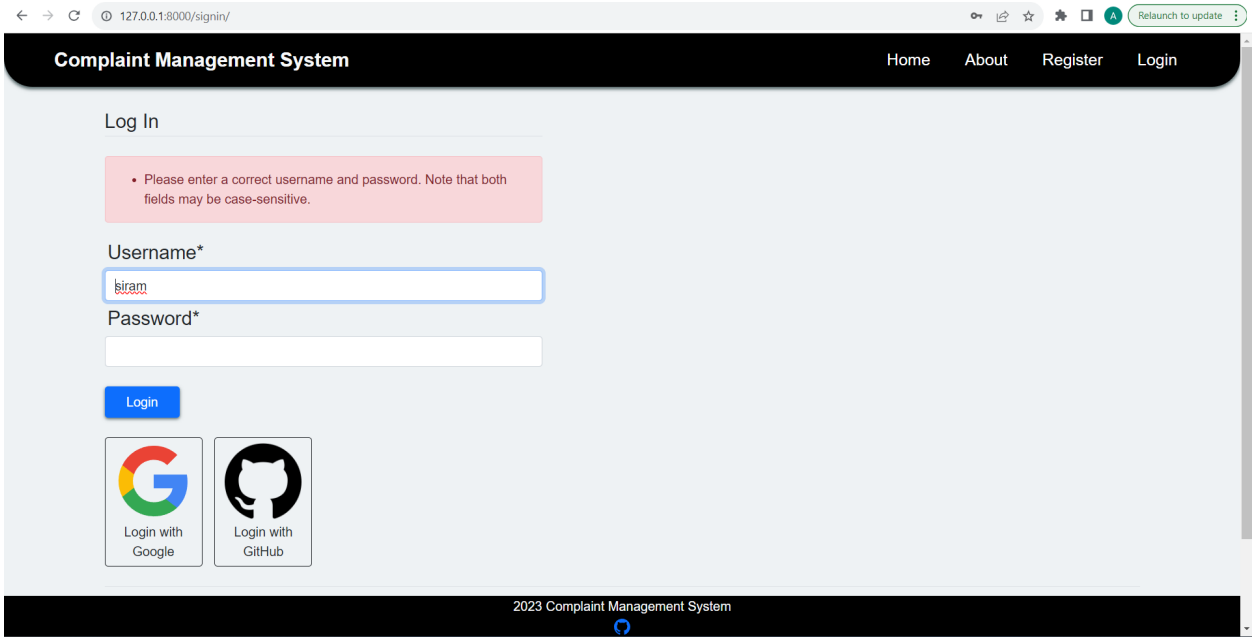
1. If any field that is required is empty the user gets redirected to the same page with a instruction to fill up the correct details

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.



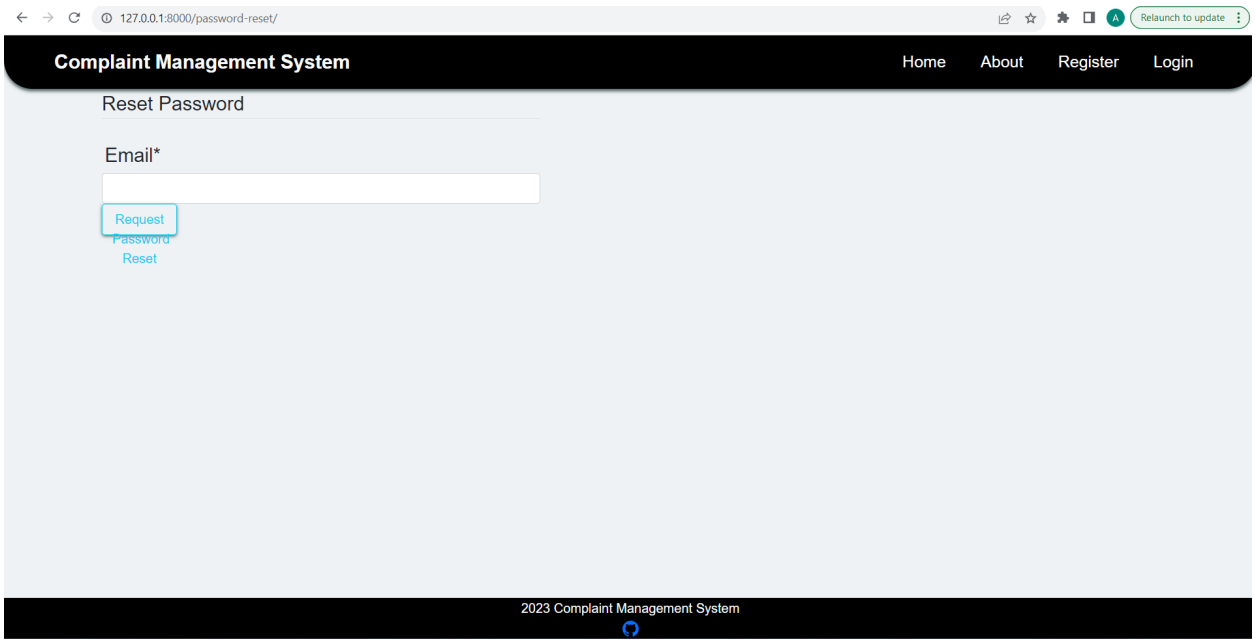


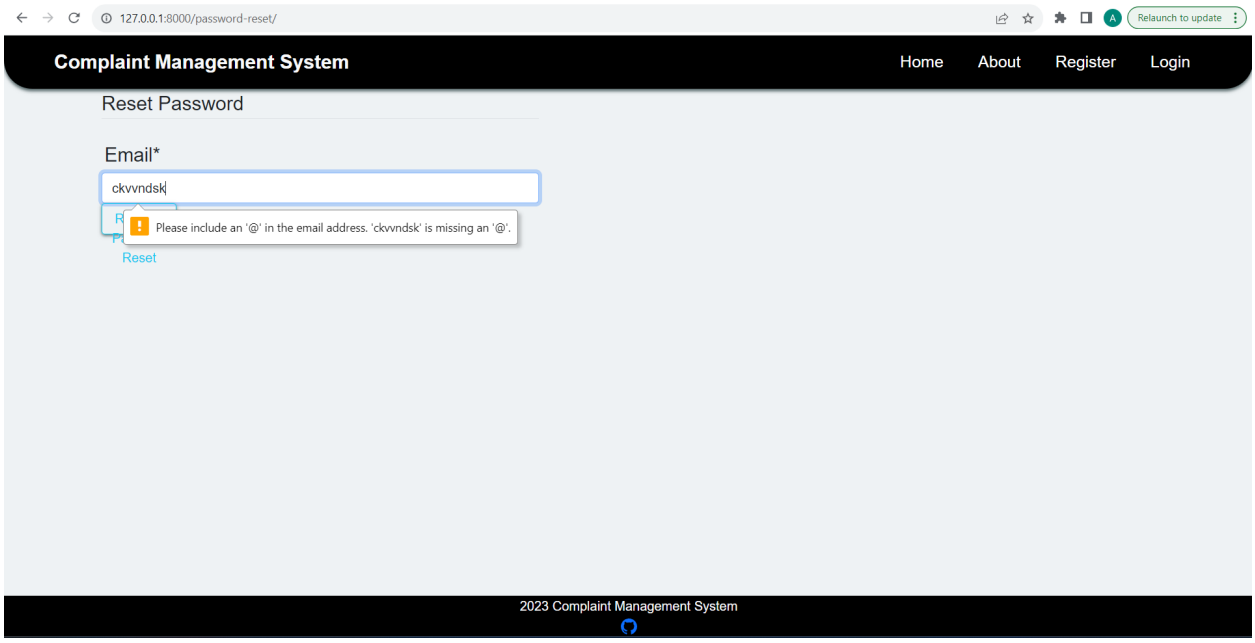


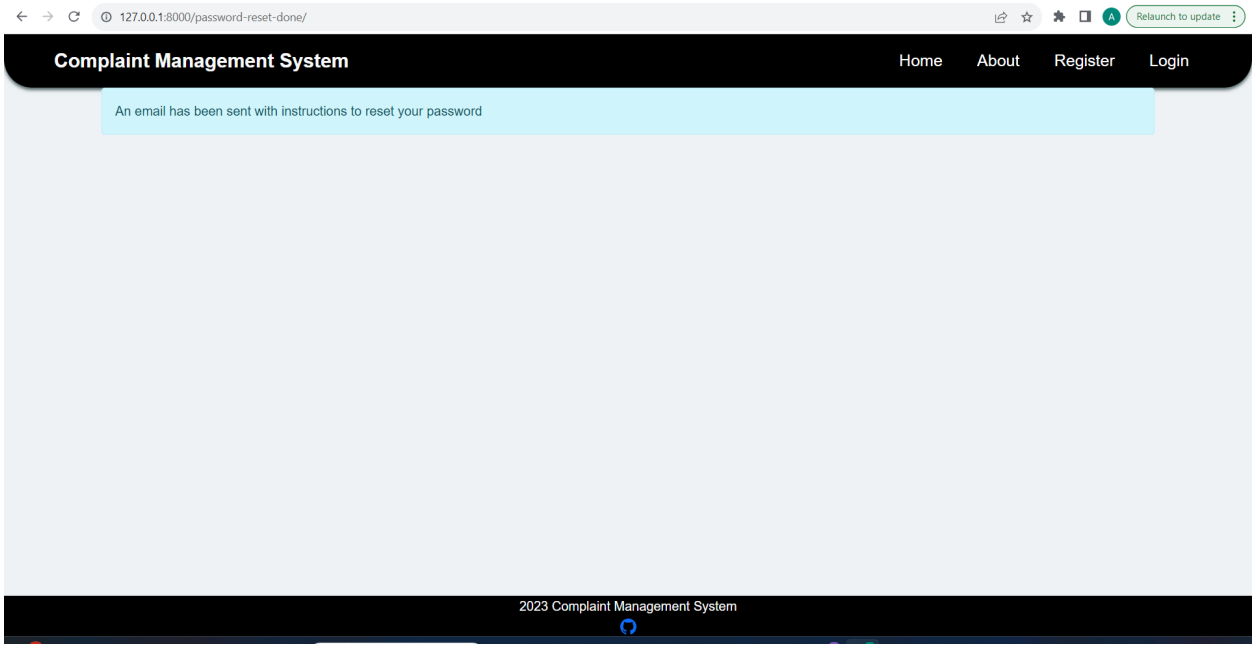
1. If the email and/or password is empty then we get a clear dialog box below the field instructing to complete the data
2. On the other hand, if an incorrect password or email is entered then we get an error dialog box in red at the top of the page
3. The “Login with Google” & “Login with GitHub” buttons 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

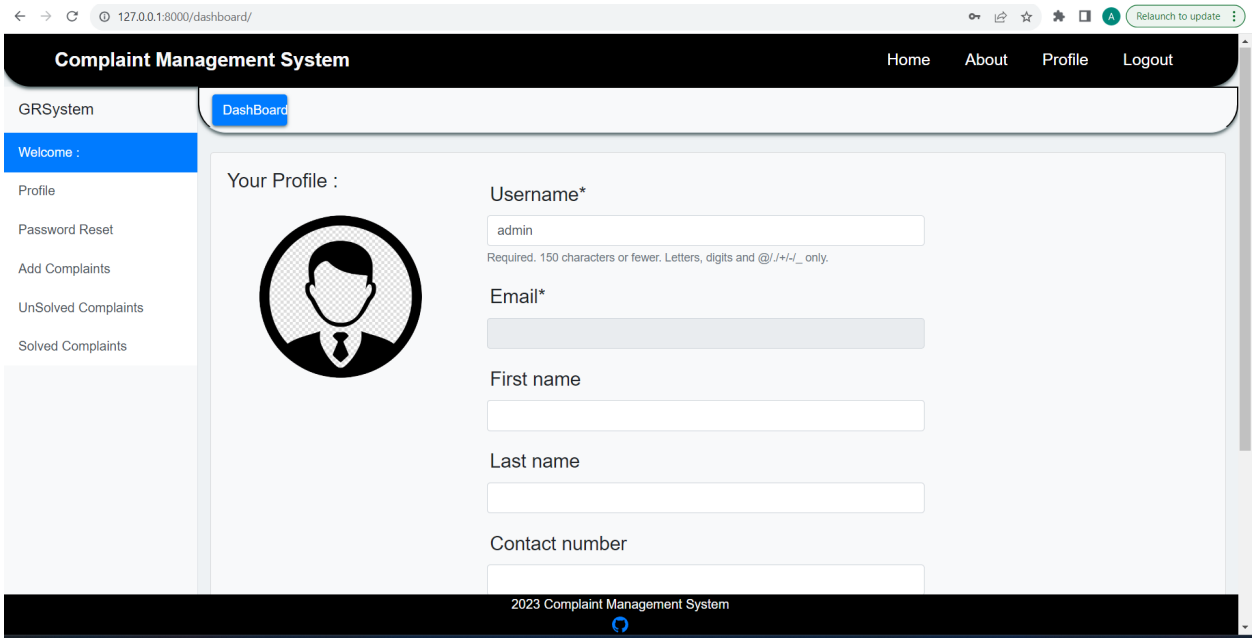


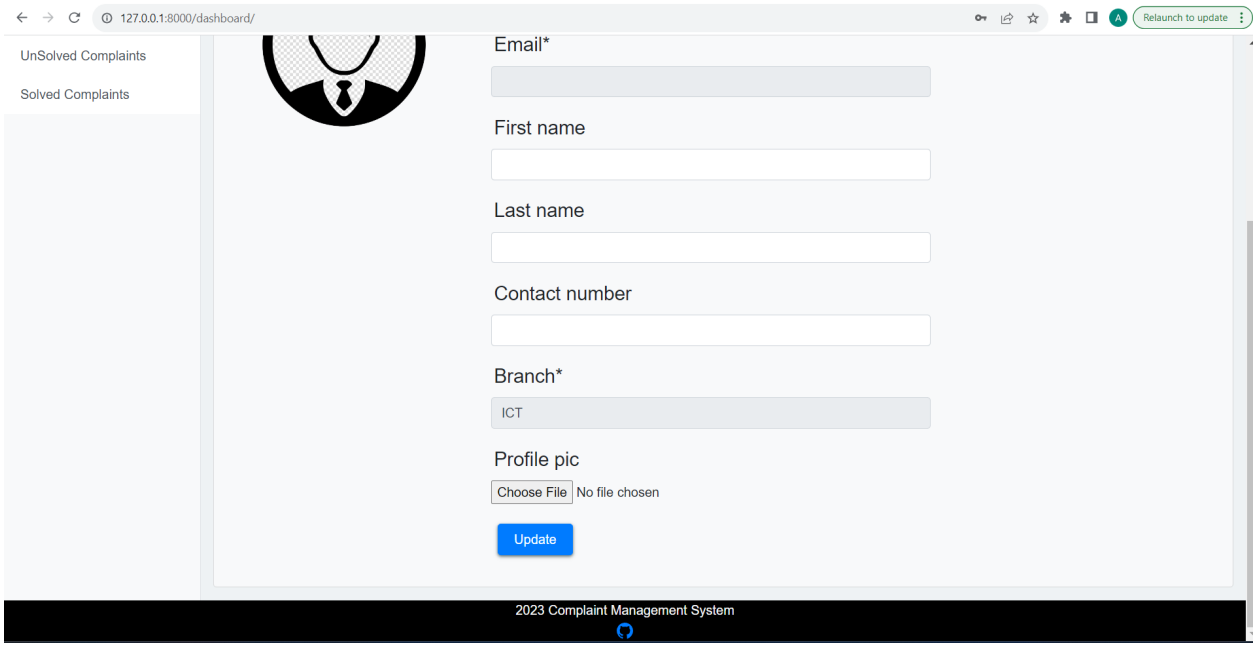


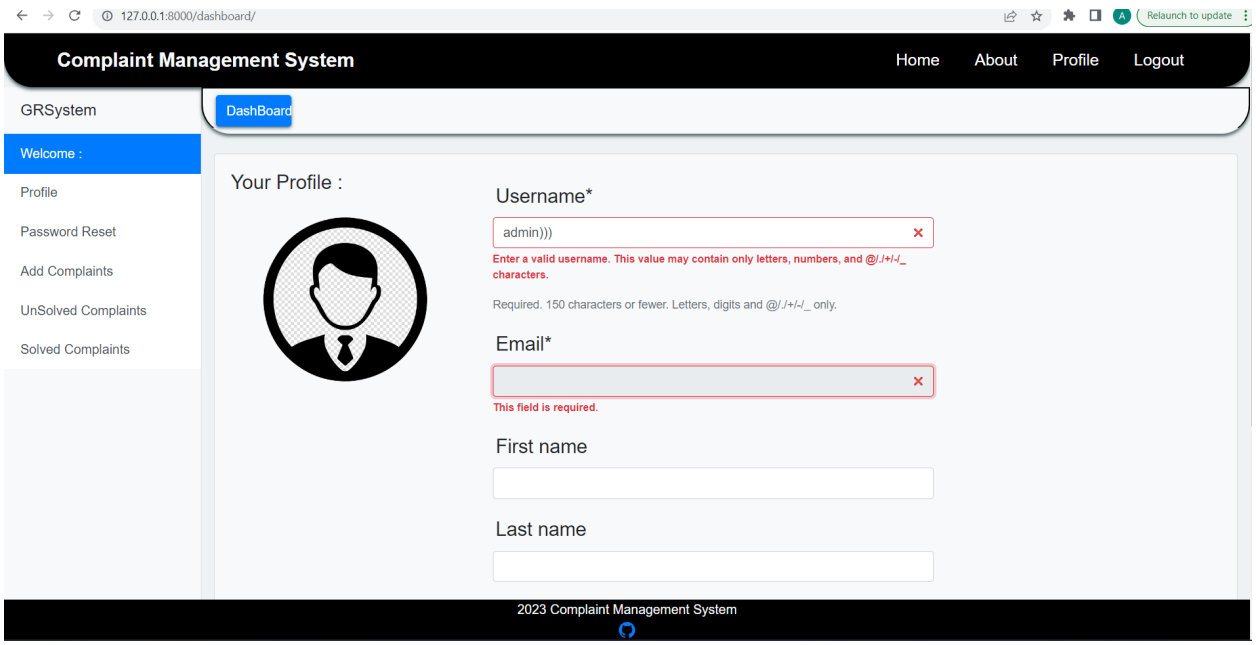


1. If the Email field is left empty or an incorrect password is entered, a dialog box appears below instructing the user to change that.
2. Font sizes are appropriate enough for reading which satisfy readability criteria.
3. The text in the “Request Password Reset” button is not aligned properly with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

3. Student Profile

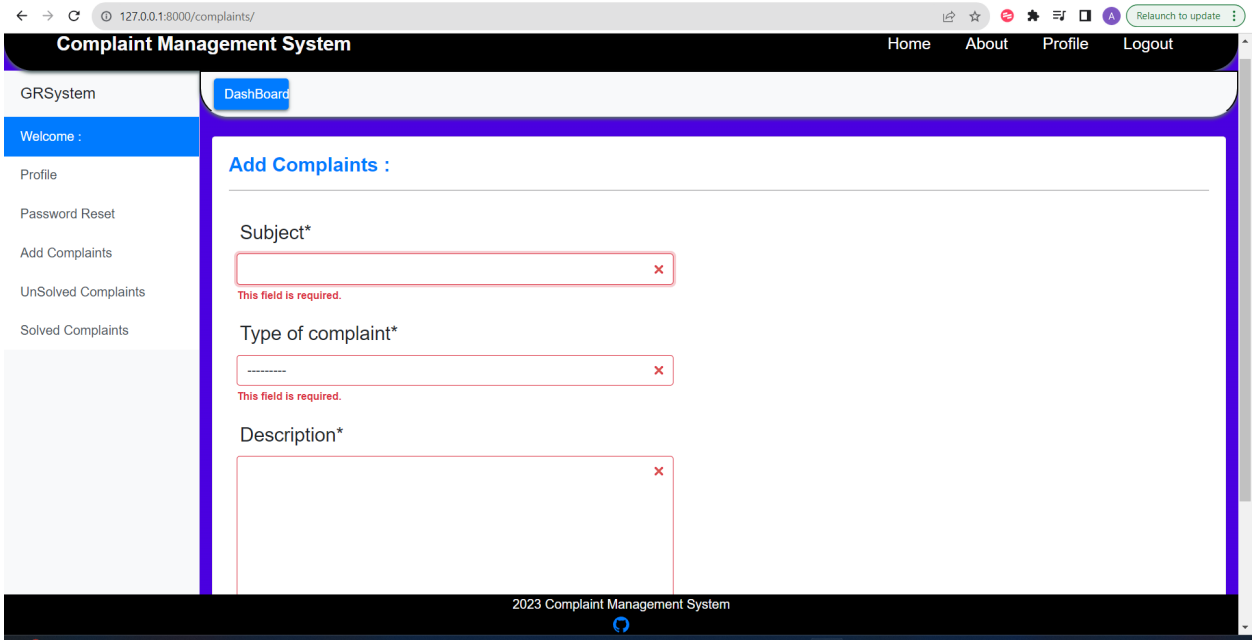

127.0.0.1:8000/dashboard/
Relaunch to update
Complaint Management System
Home
About
Profile
Logout
GRSystem
DashBoard
Welcome :
Profile
Password Reset
Add Complaints
UnSolved Complaints
Solved Complaints
Your Profile :
Username*
admin
Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.
Email*
First name
Last name
Contact number
2023 Complaint Management System

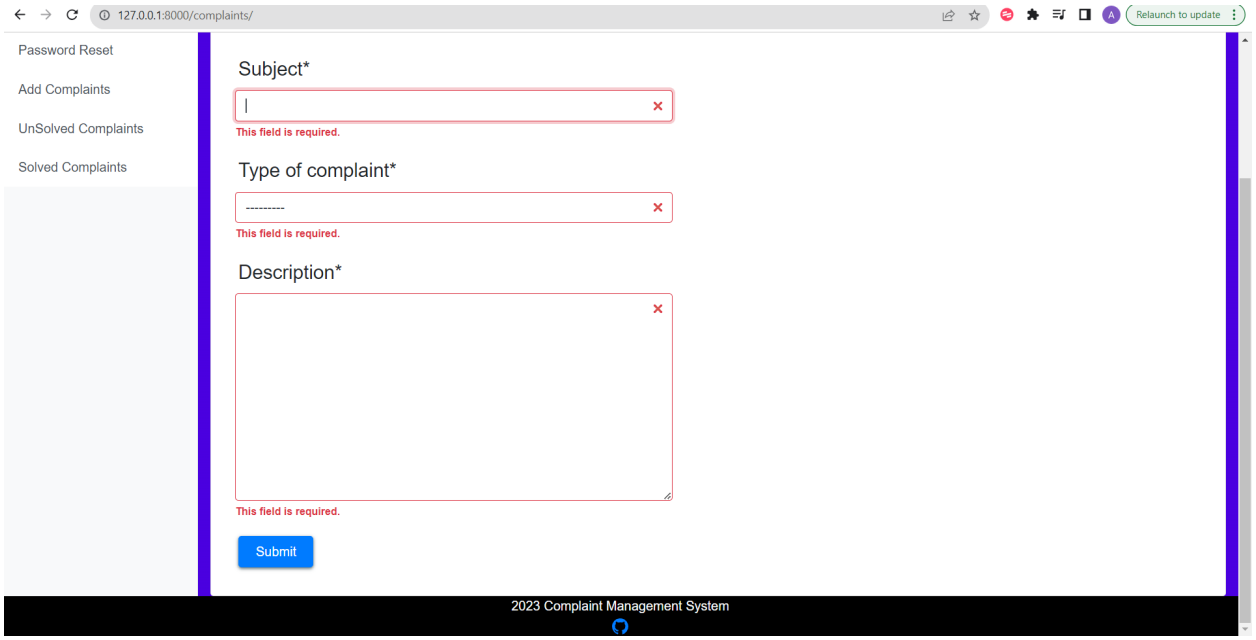

127.0.0.1:8000/dashboard/
Relaunch to update
UnSolved Complaints
Solved Complaints
Email*
First name
Last name
Contact number
Branch*
ICT
Profile pic
Choose File
No file chosen
Update
2023 Complaint Management System



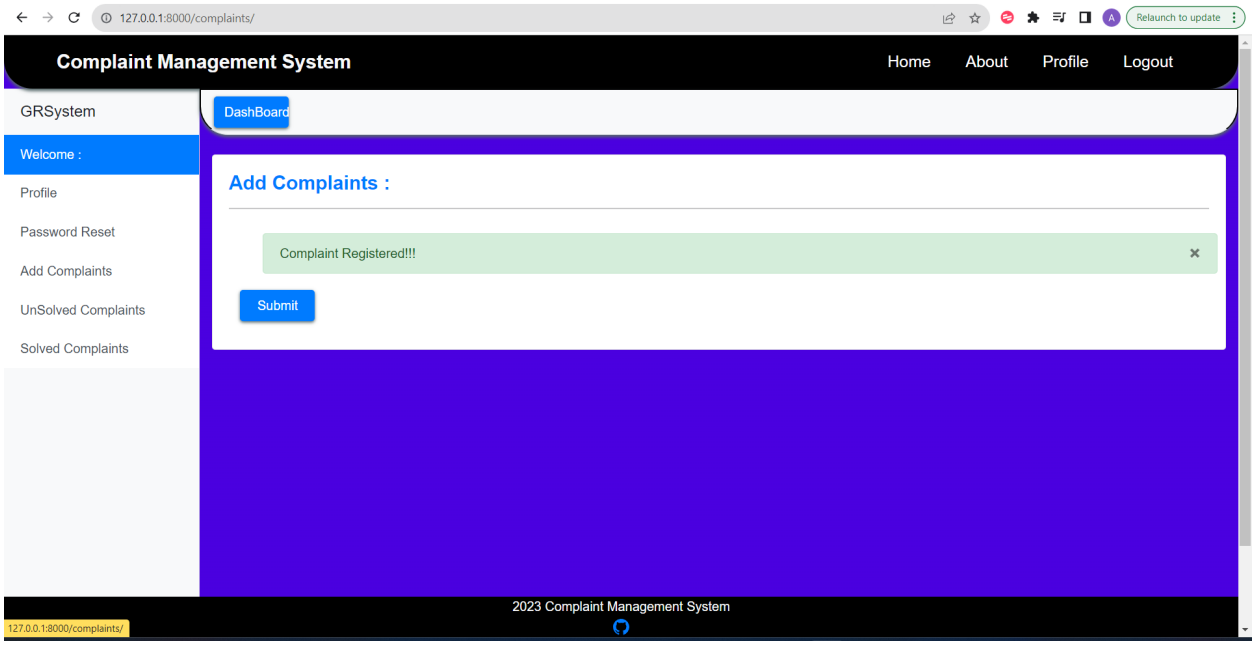
1. After login successfully, student will be redirected to this page.
2. The dashboard button at the top allows user to toggle between “full profile view” and “sidebar view” included seamlessly
3. The buttons at the top right corner become elliptical and white in color when hovered over or clicked
4. 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



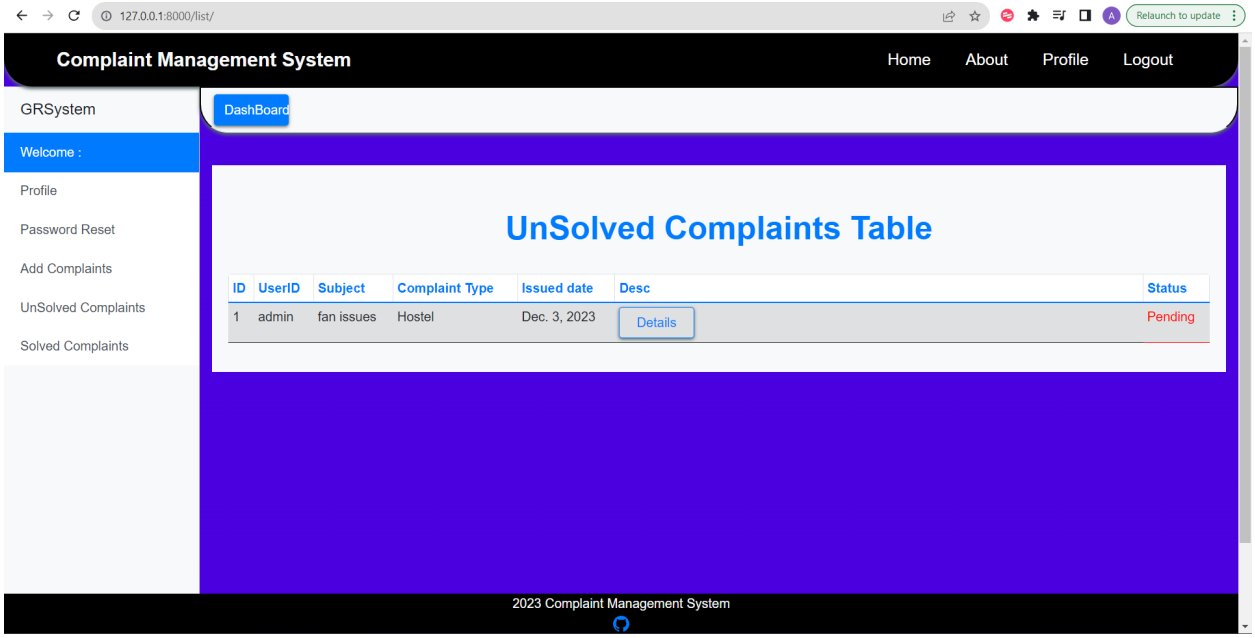


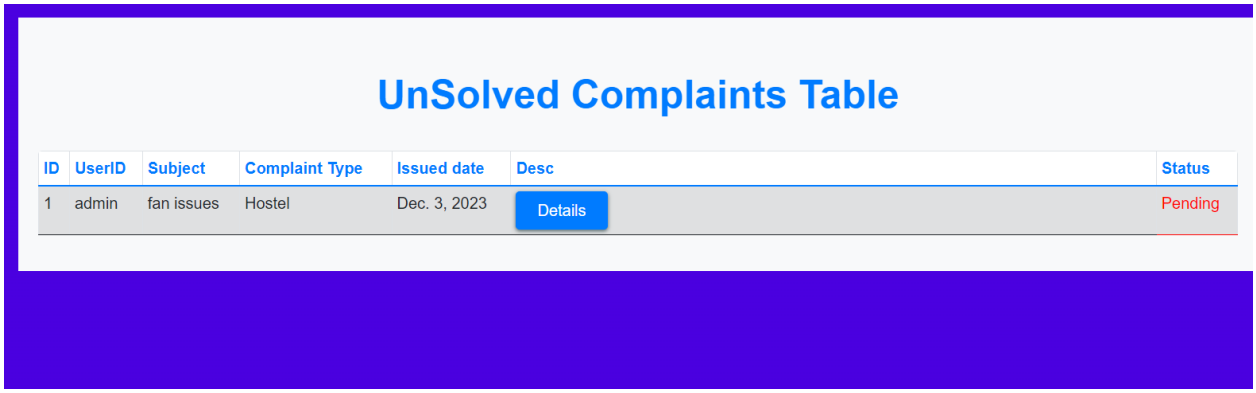
1. After clicking on the Add complaint button the student is redirected to this page.
2. There is a prompt in red below each input field instructing the user to not leave the fields empty
3. All the buttons in the sidebar menu are working
4. Input boxes for all the fields are aligned properly along with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

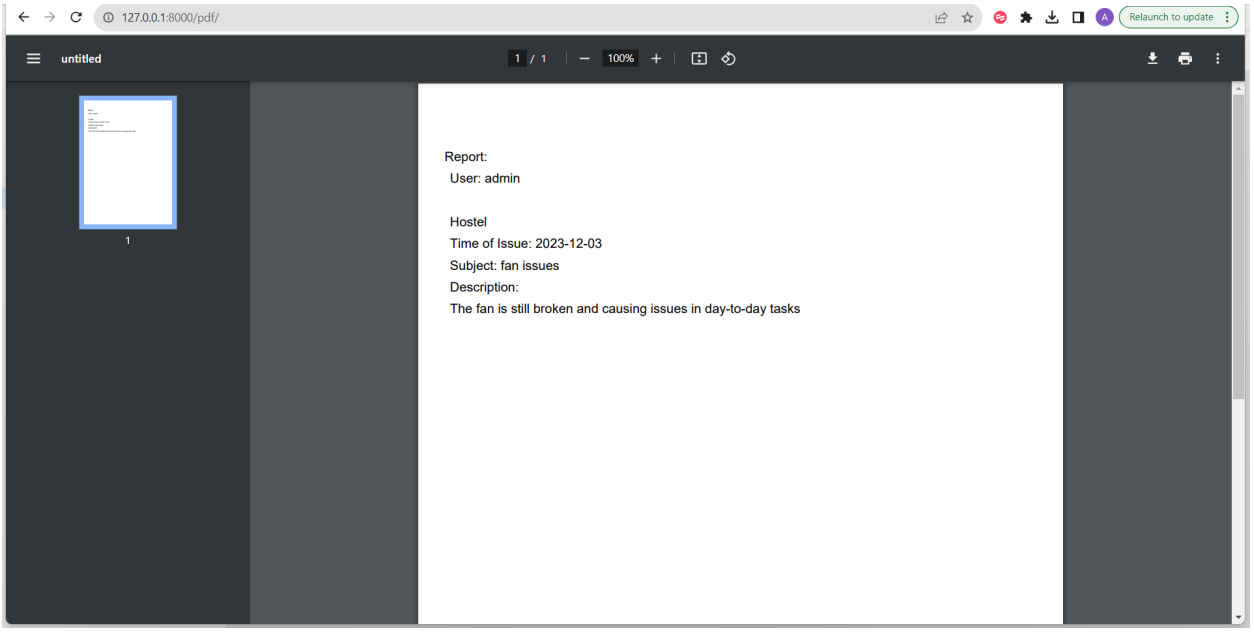


1. The Student is redirected to this page after successfully registering a complaint
2. The “Submit” below it redirects user back to add complaint page
3. The buttons on the sidebar have the same functionality as on the Add Complaint page
4. The font is the “Complaint Registered” dialog box is clearly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

3b. UnSolved Complaints

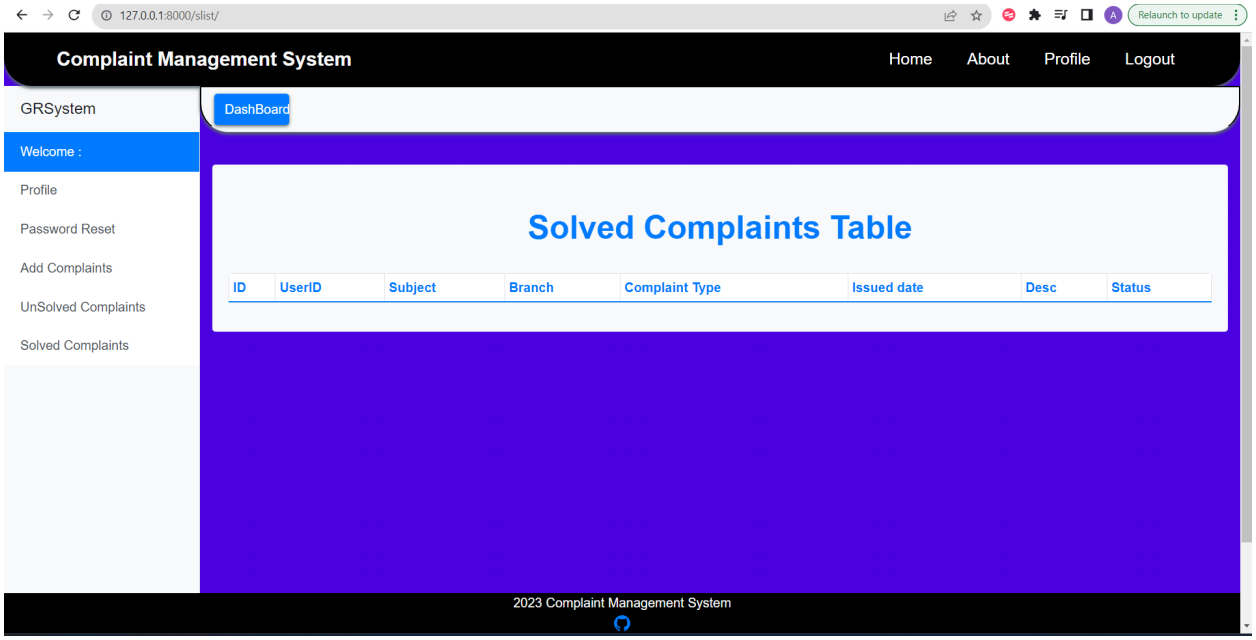

127.0.0.1:8000/list/
Relaunch to update
Complaint Management System
Home
About
Profile
Logout
GRSystem
DashBoard
Welcome :
Profile
Password Reset
Add Complaints
UnSolved Complaints
Solved Complaints
UnSolved Complaints Table
ID
UserID
Subject
Complaint Type
Issued date
Desc
Status
1
admin
fan issues
Hostel
Dec. 3, 2023
Details
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
Details
Pending



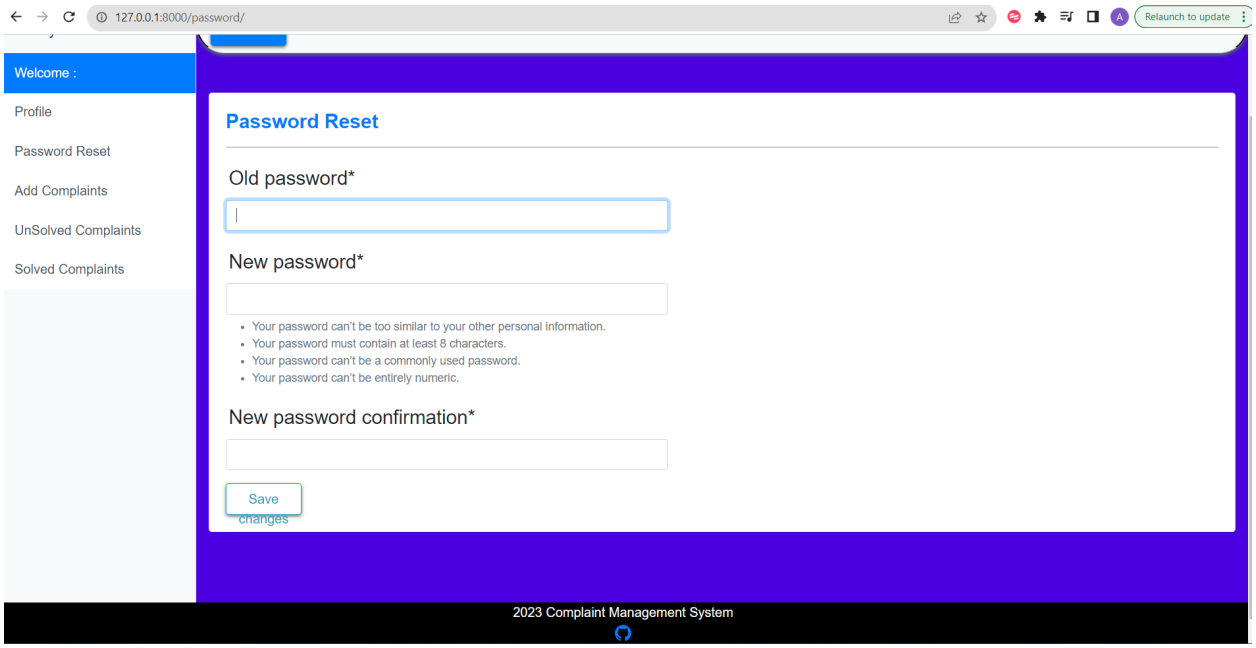
1. User is redirected here after clicking on the “Unsolved Complaints” button
2. The “details “ button is white in color but becomes blue when you hover or click over it
3. “The details” button opens up a pdf when clicked over it
4. The “Pending” in Status section is in red text
5. Font sizes are appropriate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

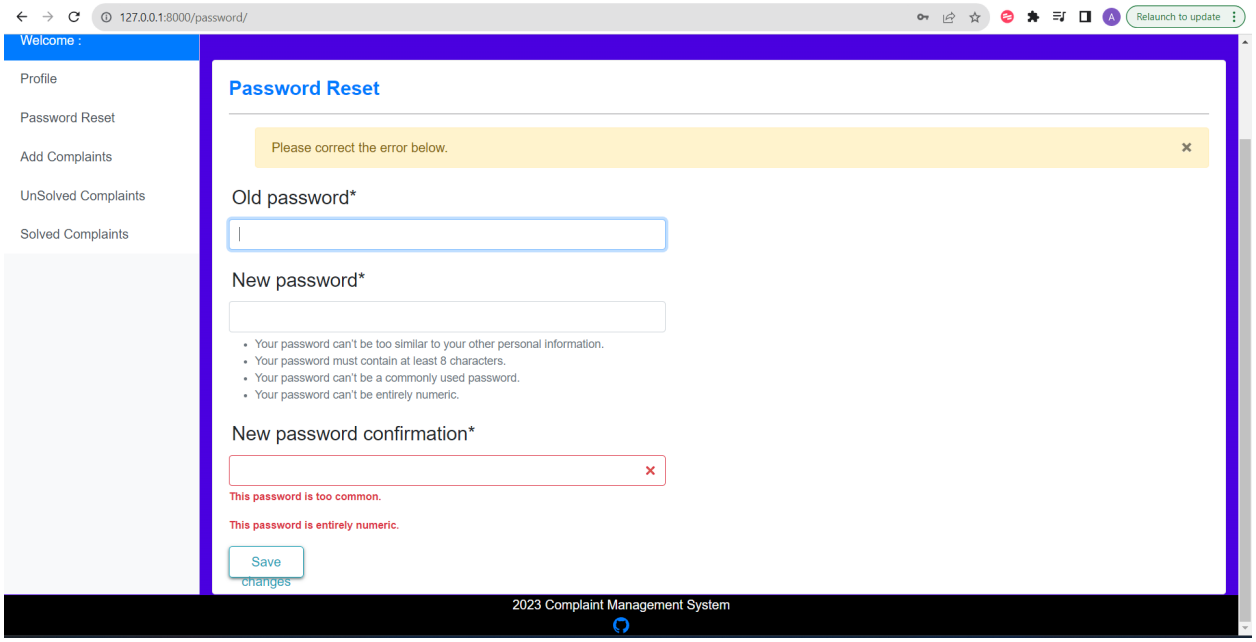
3c. Solved Complaints



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

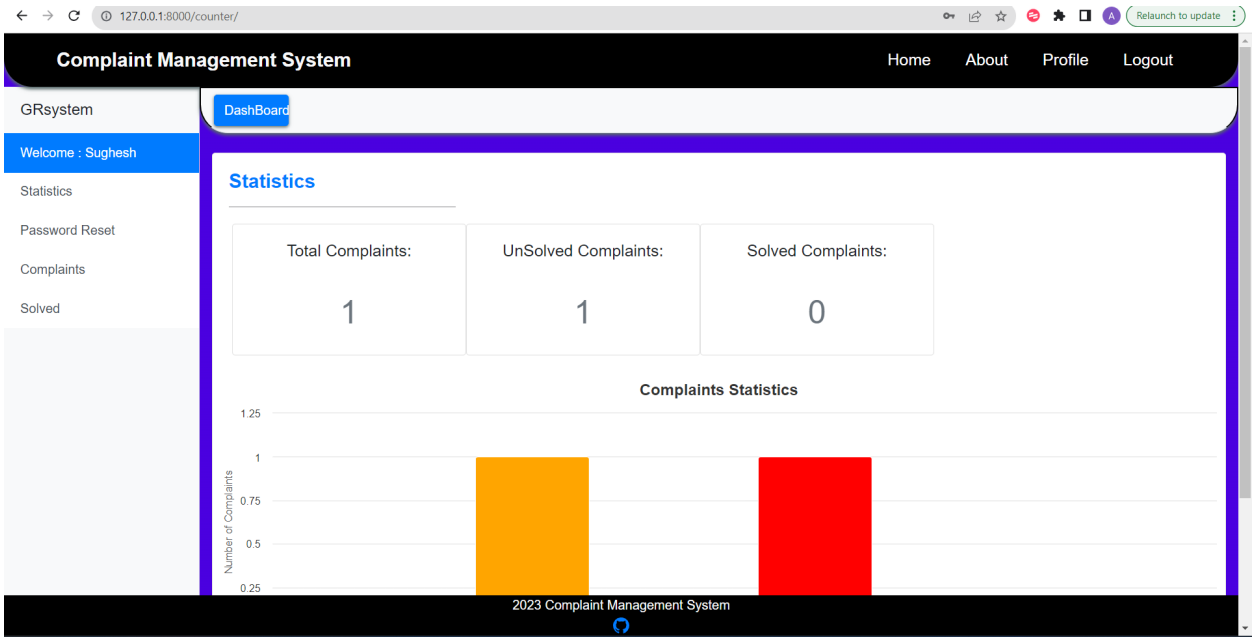


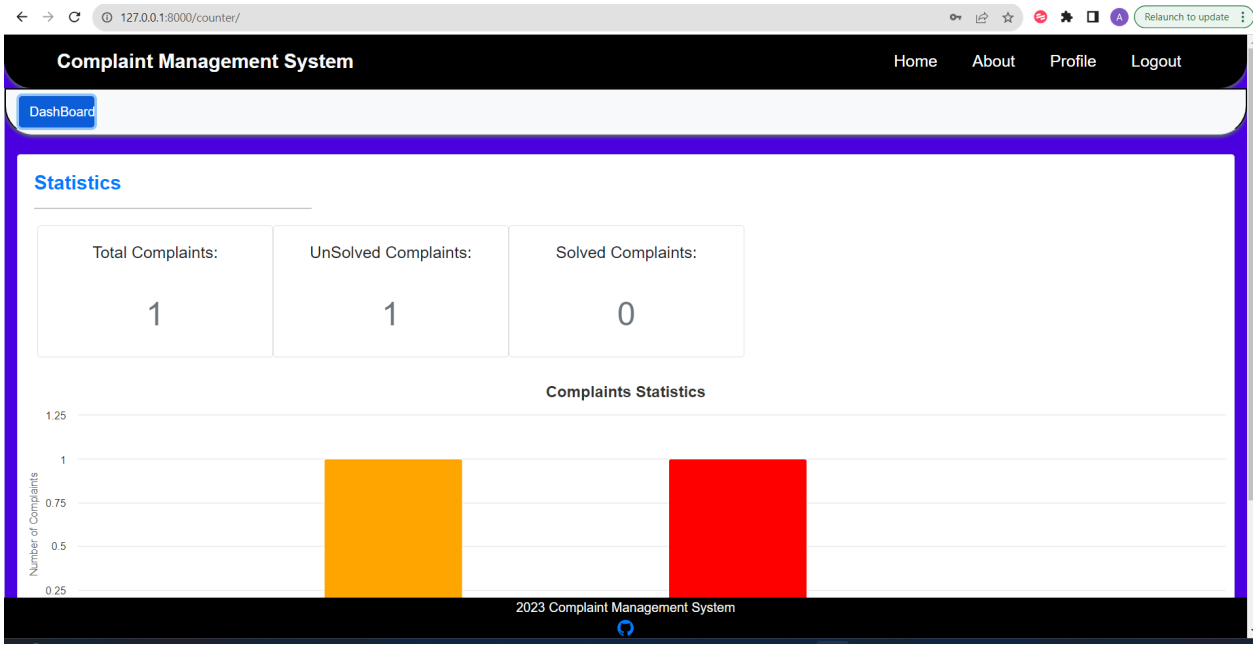


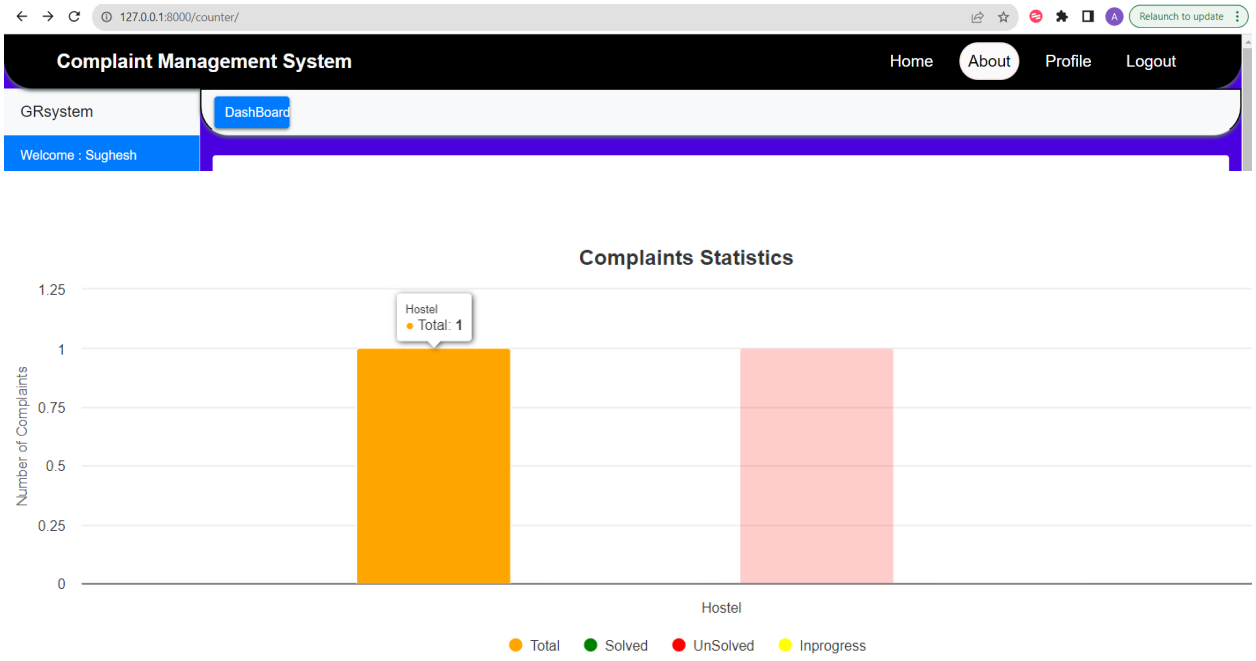
1. User is redirected here after clicking on the “Reset Password” button
2. Input boxes are aligned properly along with their respective labels.
3. Font sizes are appropriate enough for reading which satisfy readability criteria.
4. Tab buttons are working properly, when a tab is pressed from an email 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



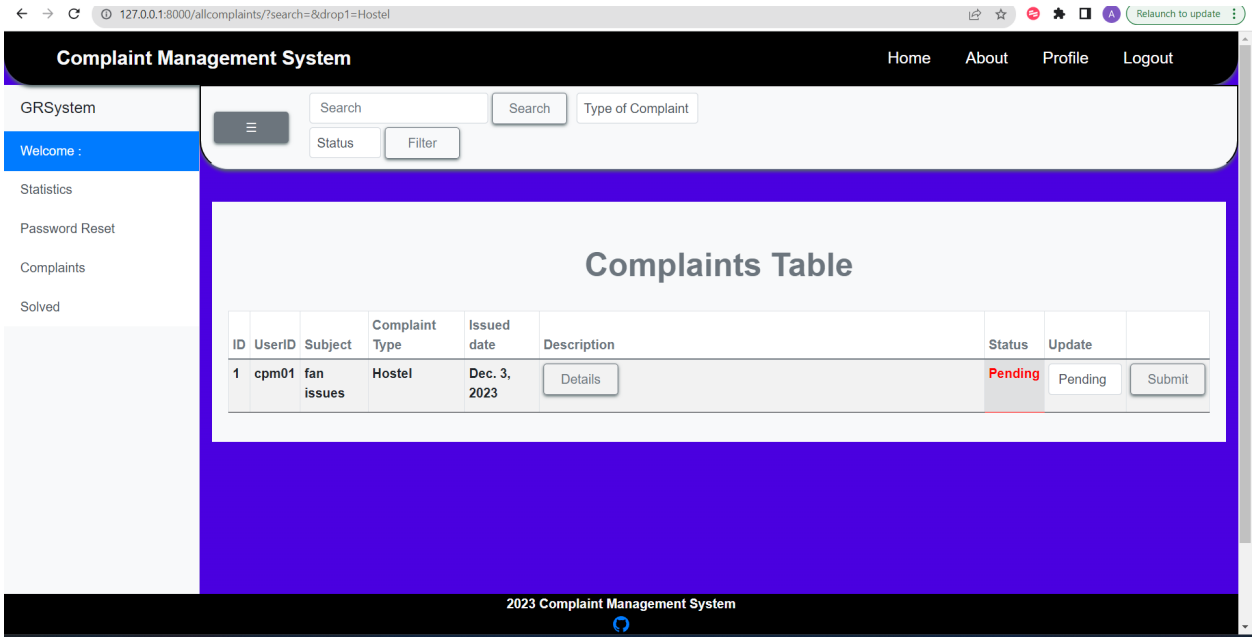


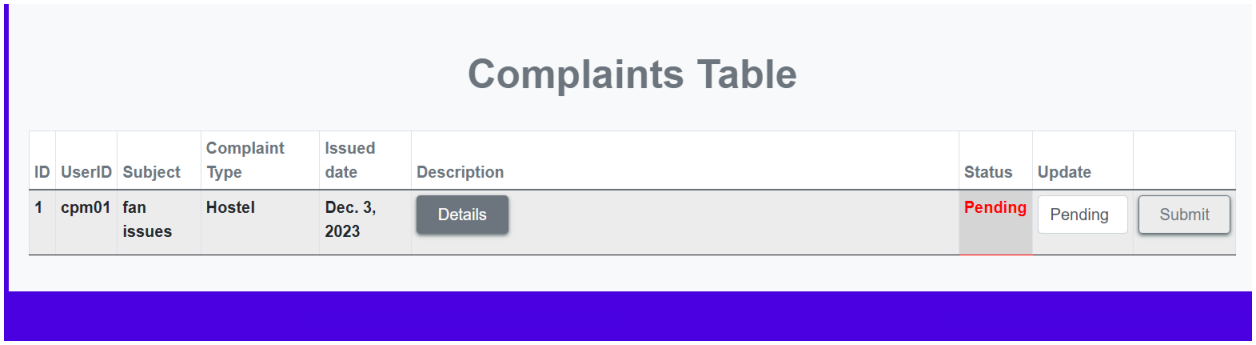


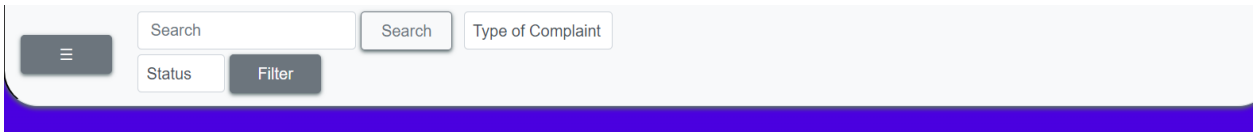
1. After entering correct Supervisor credentials, user is redirected to this page
2. The dashboard button at the top allows user to toggle between “full profile view” and “sidebar view included” seamlessly
3. The buttons at the top right corner become elliptical and white in color when hovered over or 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

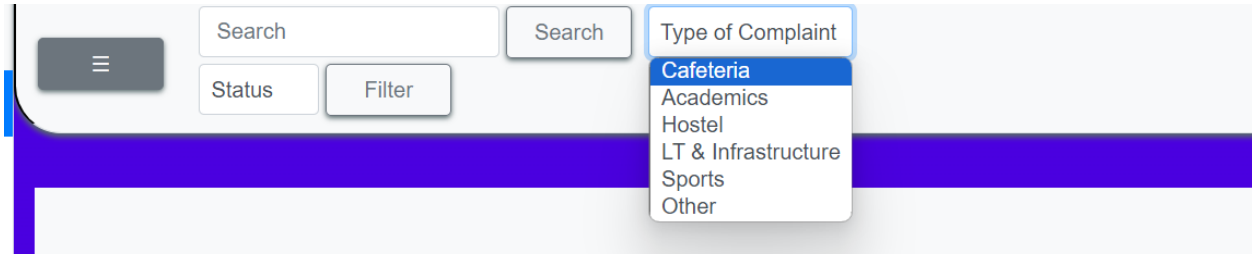
7. Input boxes for all the fields are aligned properly along with their respective labels.
8. Font sizes are appropriate enough for reading which satisfy readability criteria.

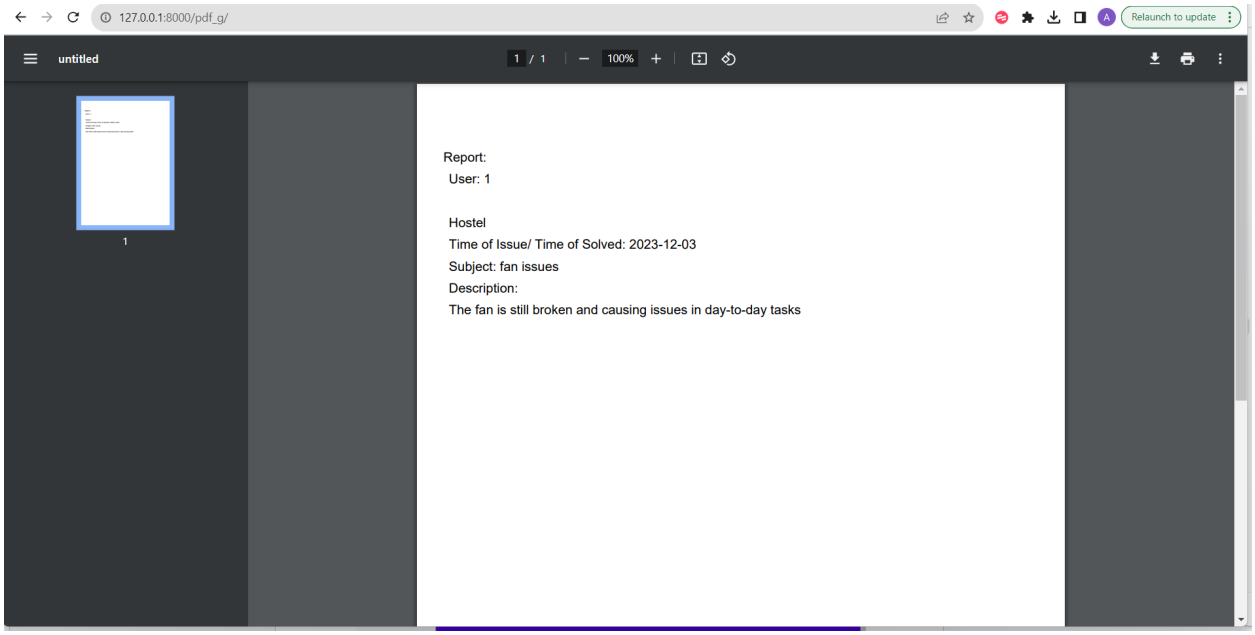
4b. Complaints





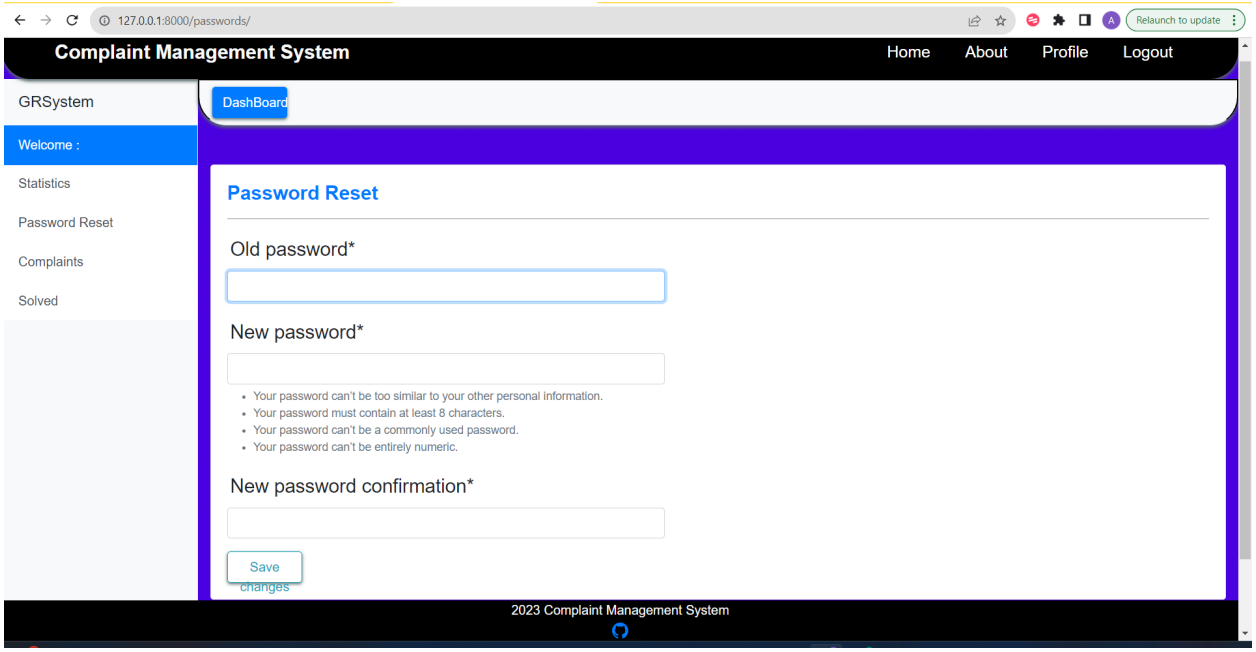






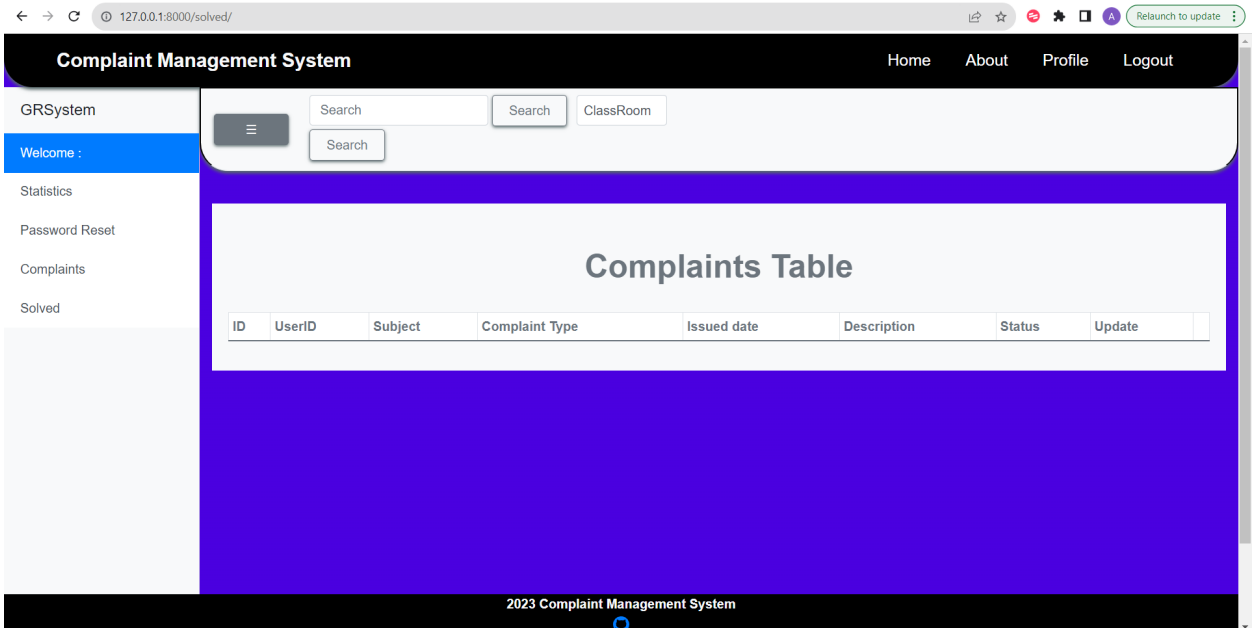
1. User is redirected here after clicking on the “Complaints” button
2. Buttons like “Details”,”Filter”, “Submit” & “Search” are white in color but become grey when hovered over or clicked
3. “The details” button opens up a pdf when clicked over it
4. The “Type of complaint ” box gives a drop-down menu 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



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()
```