

Testing Report

Project Title: Employee Management System

Project Team: Group 1

Black Box Testing at System Level

Testing Objectives: To ensure our product meets the requirements.

Requirement 1: Login for different categories / level of users.

Requirement Refinement to enable its validation:

There are three categories of users: employee, manager, and admin.

The Software should display the corresponding User's Homepage only when the username is valid and he has entered his correct password.

Scenario: User is at the login page.

Inputs: Username, Password, User Category

Users registered currently in the system:

Employee

Username: emp

Password: 000

Manager

Username: man

Password: 0000

Admin

username: admin

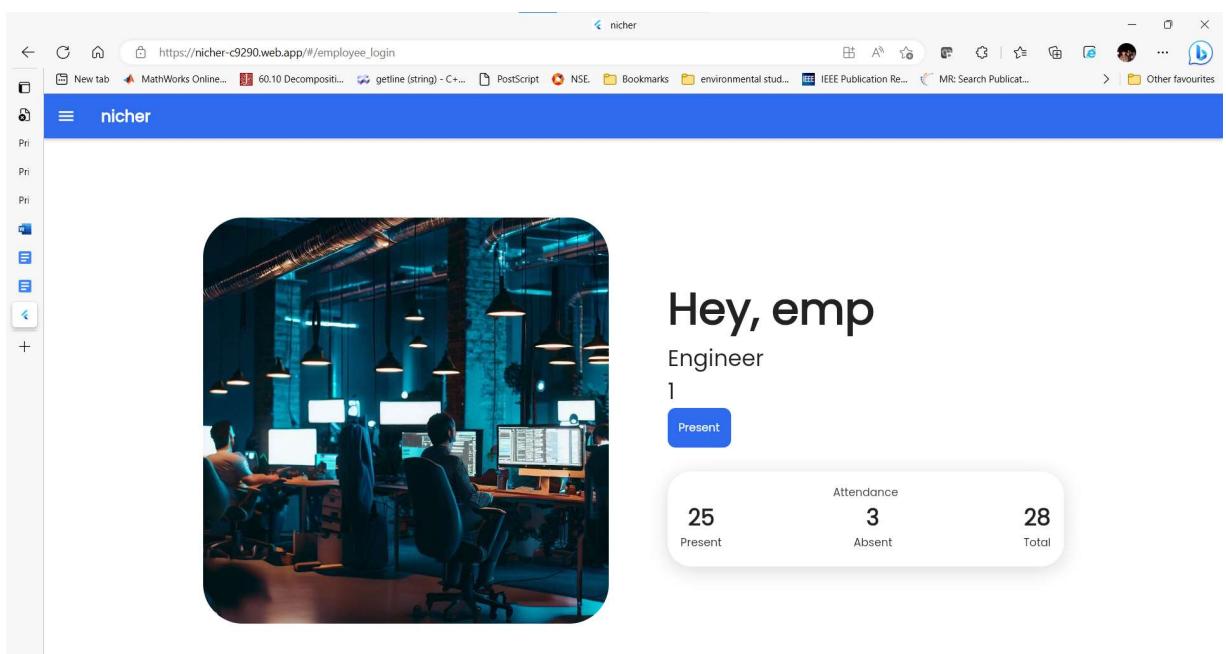
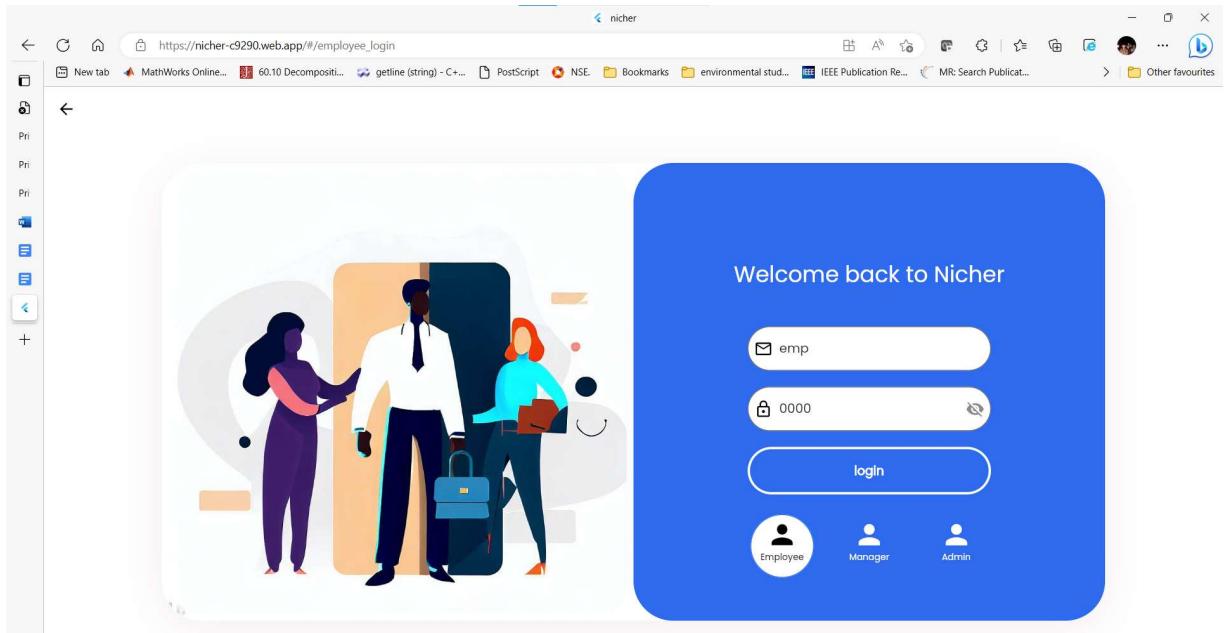
Password: admin

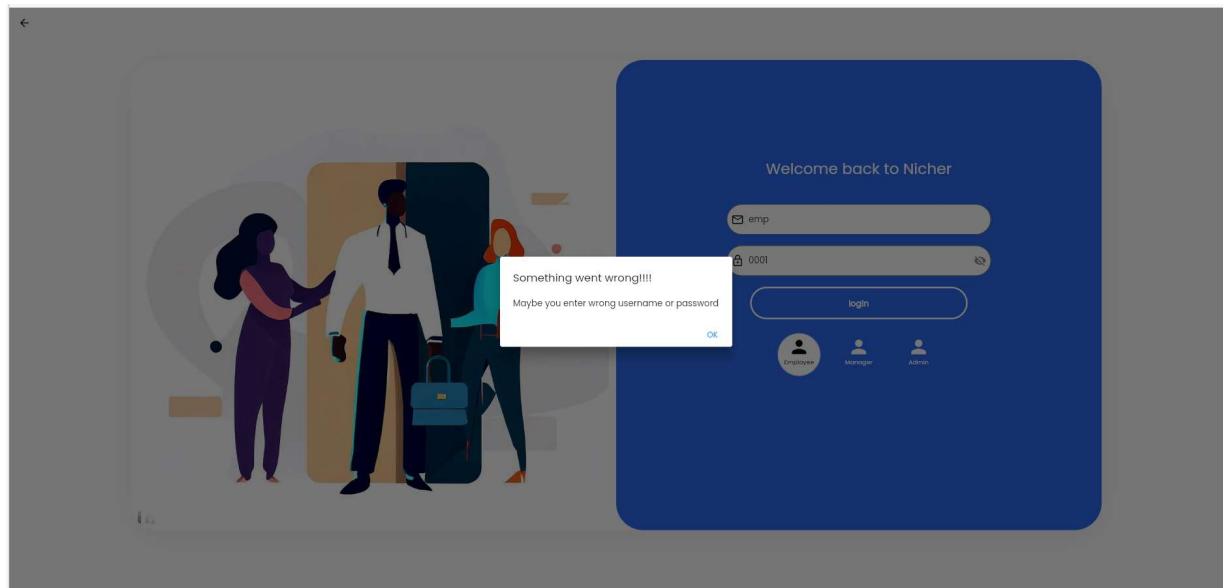
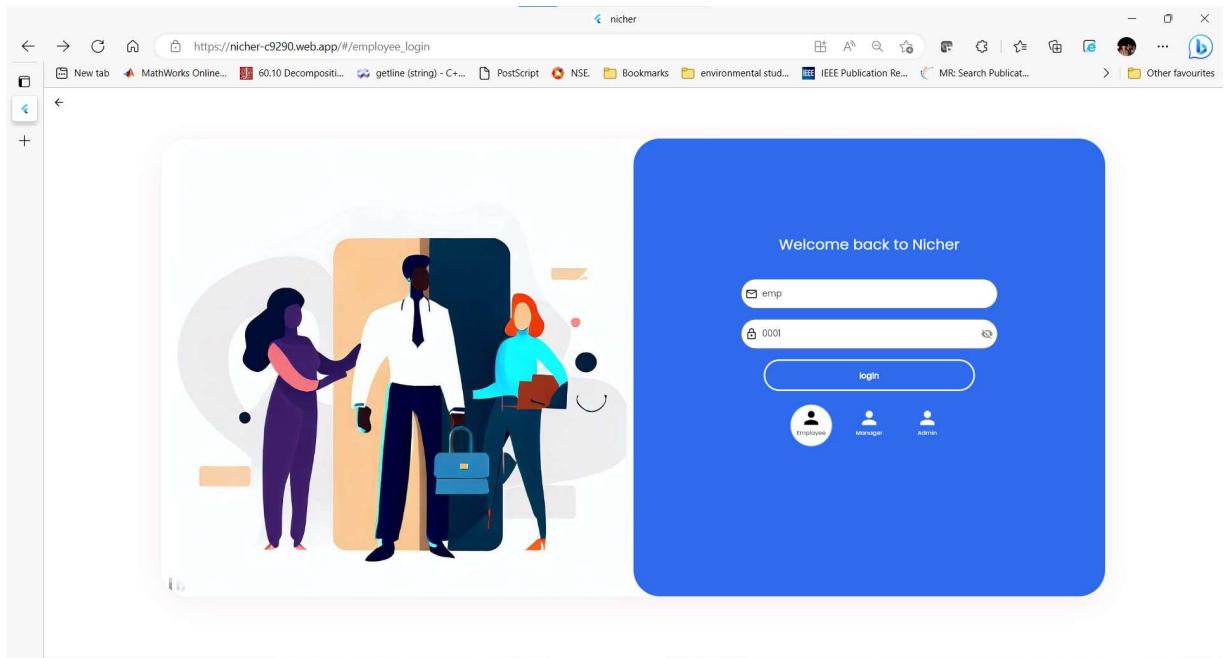
Equivalence Classes:

1. Username: Employee, Manager, Admin, Invalid.
2. Password: Valid, Invalid, according to current user.

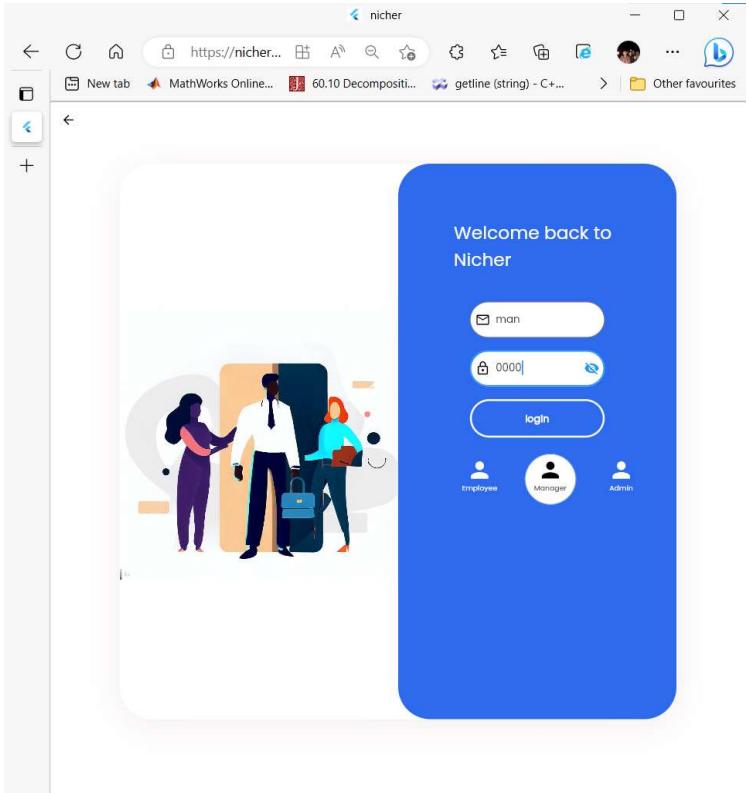
Sr. No.	Username Result	Password	Category	Expected Output	Actual Output	Result
1	emp	0000	Employee	emp Homepage Screen	emp Homepage Screen	Pass
2	emp	0001	Employee	Error	Error	Pass
3.	man	0000	Manager	man homepage screen	man homepage screen	Pass
4.	man	0	Manager	Error	Error	Pass
5.	admin	admin	Admin	admin homescreen	admin Homepage	Pass
6.	admin	ad	Admin	Error	Error	Pass
7.	jon	0	Employee	Error	Error	Pass
8.	jon	0	Manager	Error	Error	Pass
9.	jon	0	admin	Error	Error	Pass
10.		9	Employee	Error	Error	Pass
11		9	Manager	Error	Error	Pass
12.		9	Admin	Error	Error	Pass
13.	emp		Employee	Error	Error	Pass
14.	man		Manager	Error	Error	Pass
15.	admin		Admin	Error	Error	Pass

Snap Shots of the Test Cases:

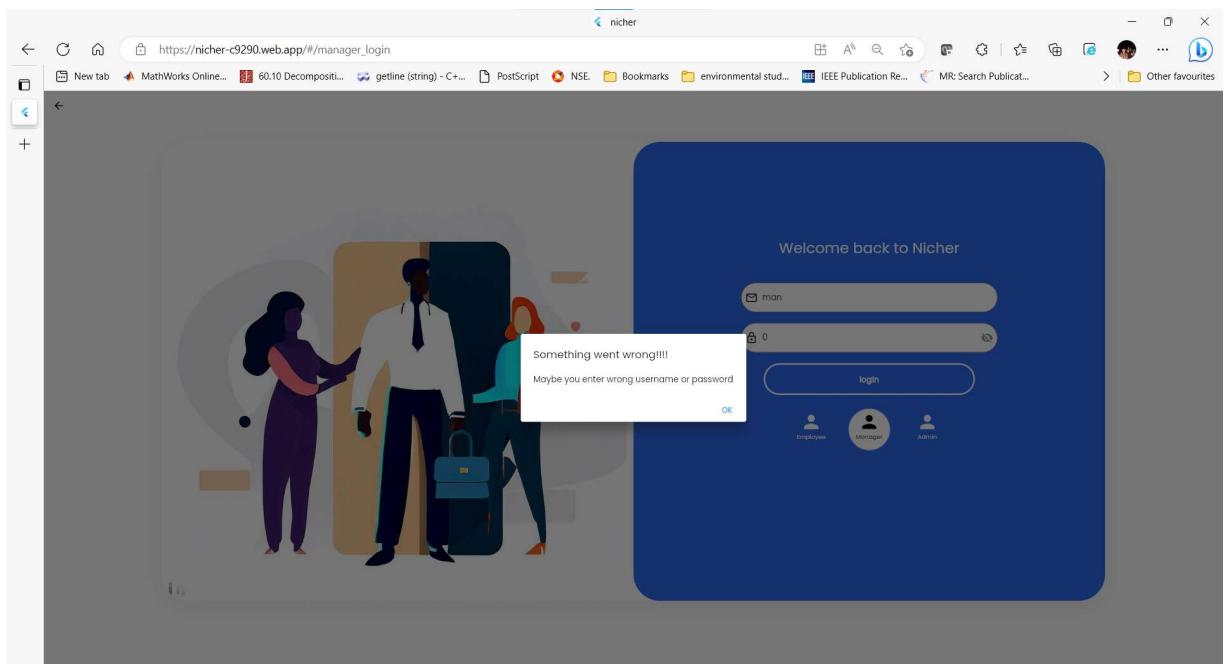
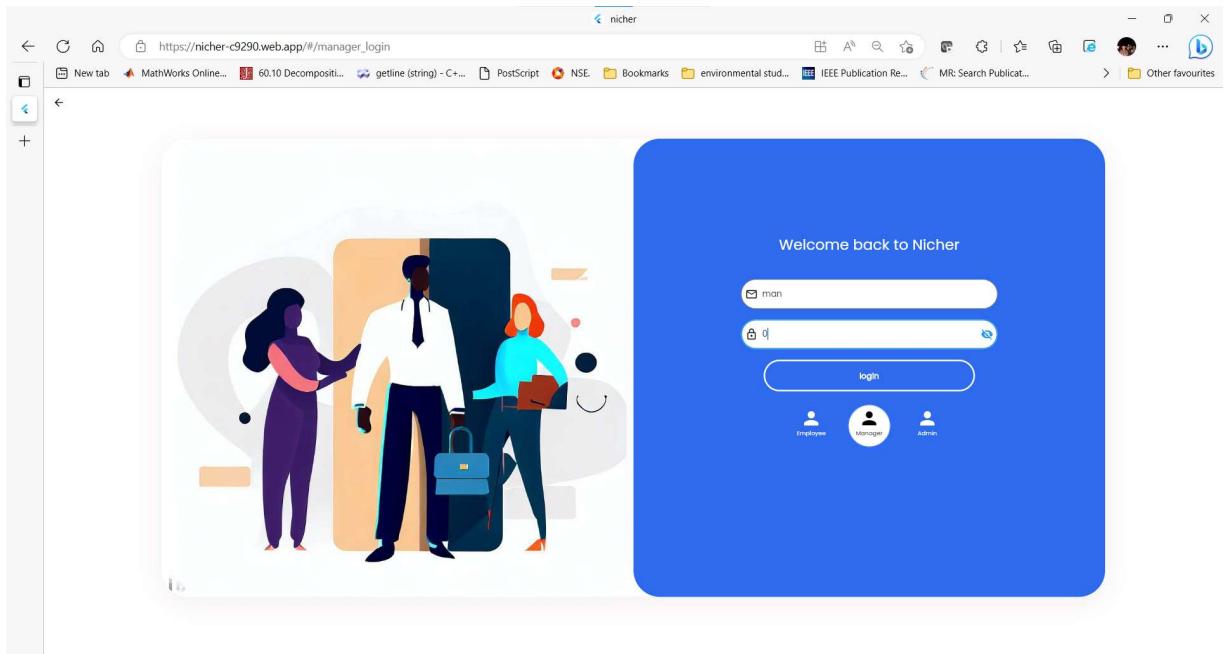


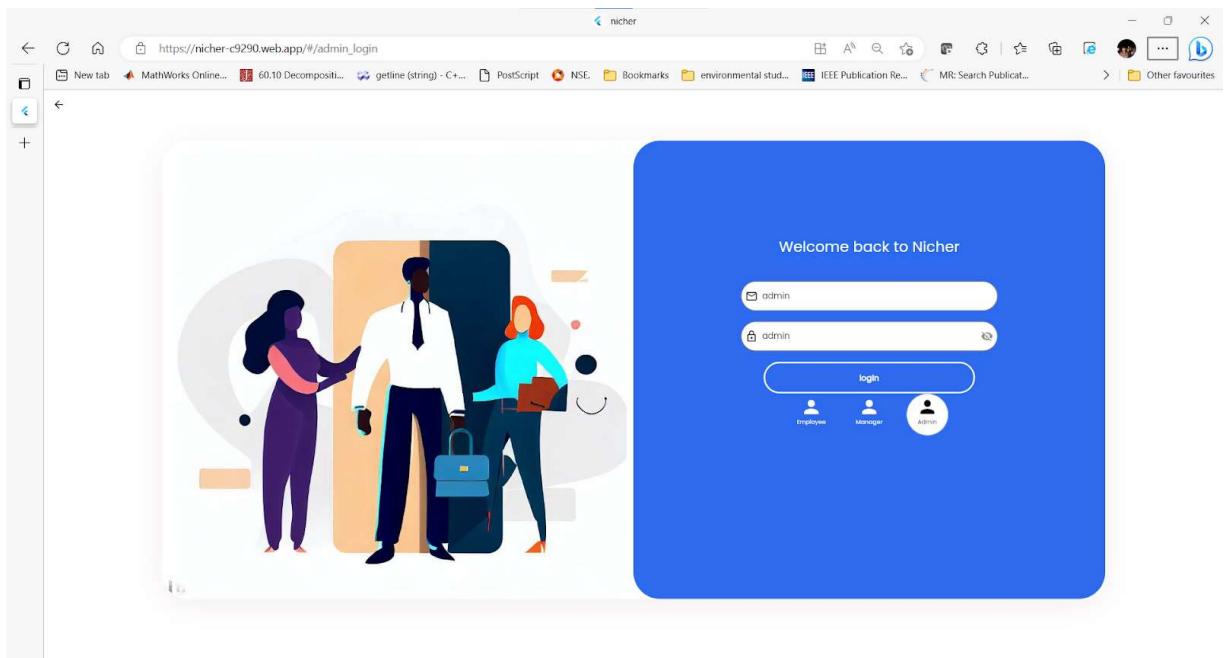
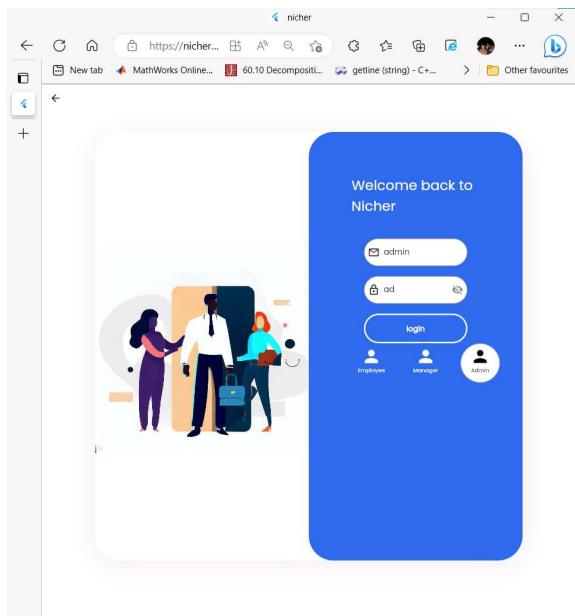


3.



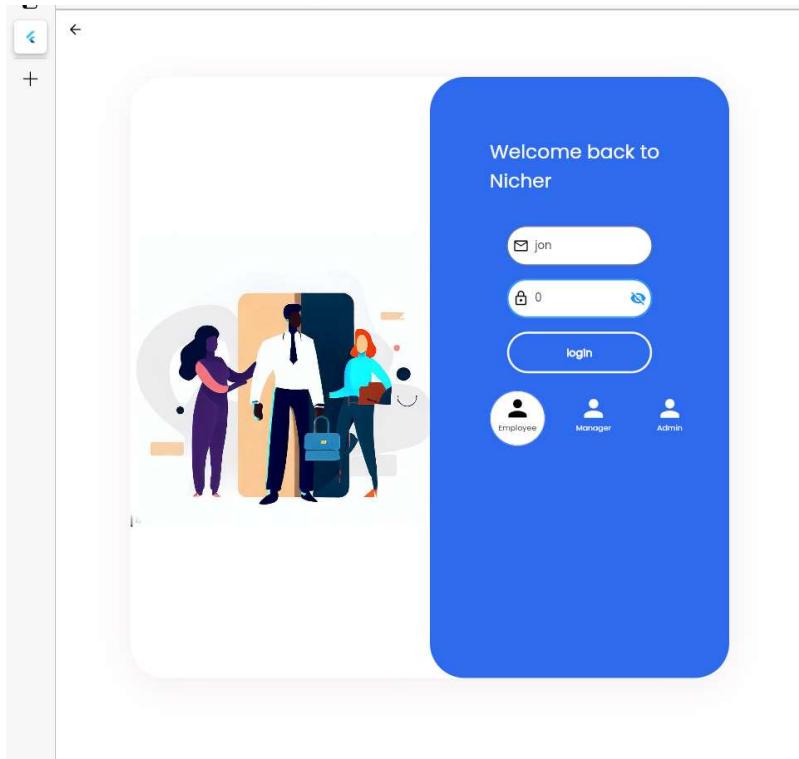
A screenshot of a web browser showing the Manager dashboard for the Nicher application. The dashboard features a large, dark-toned image of an office environment with multiple computer monitors and people working at desks. To the right of the image, the text "Hey, man" is displayed above the title "Manager". Below the title, there is a count of "1" and a "Present" button. Further down, there is a summary of attendance: "28 Present", "0 Absent", and "28 Total". The browser's address bar shows the URL https://nicher-c9290.web.app/#/manager_login. The browser interface includes various toolbars and tabs at the top.

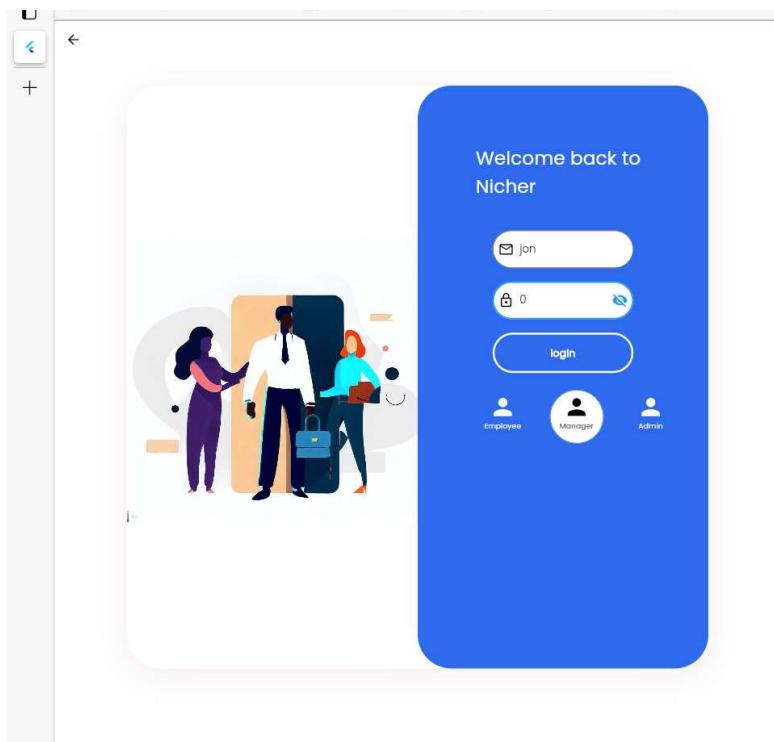
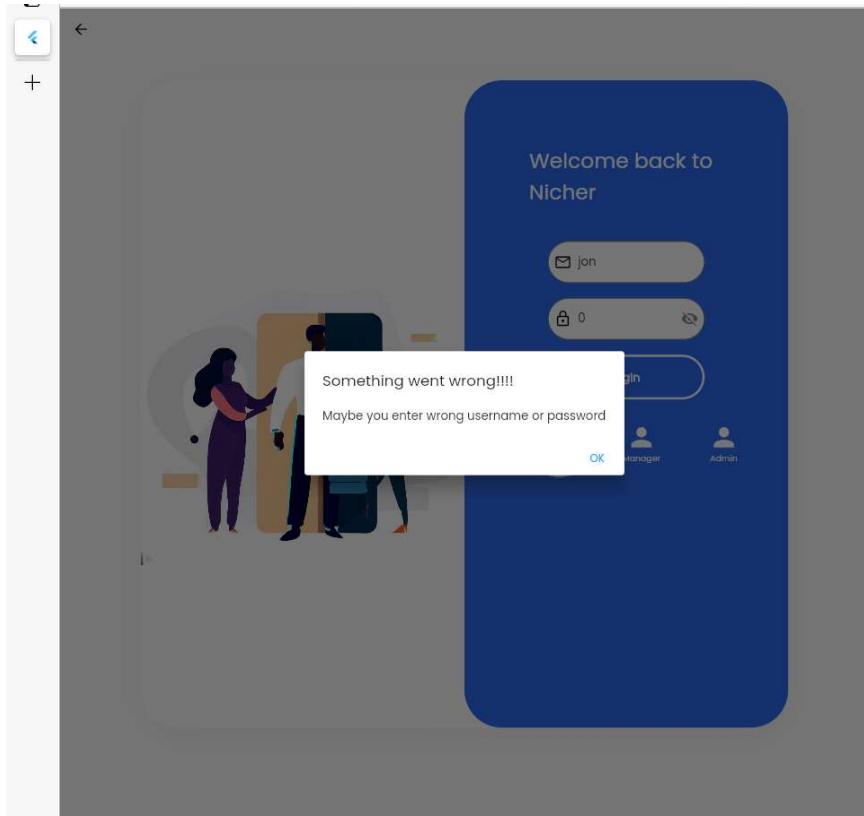


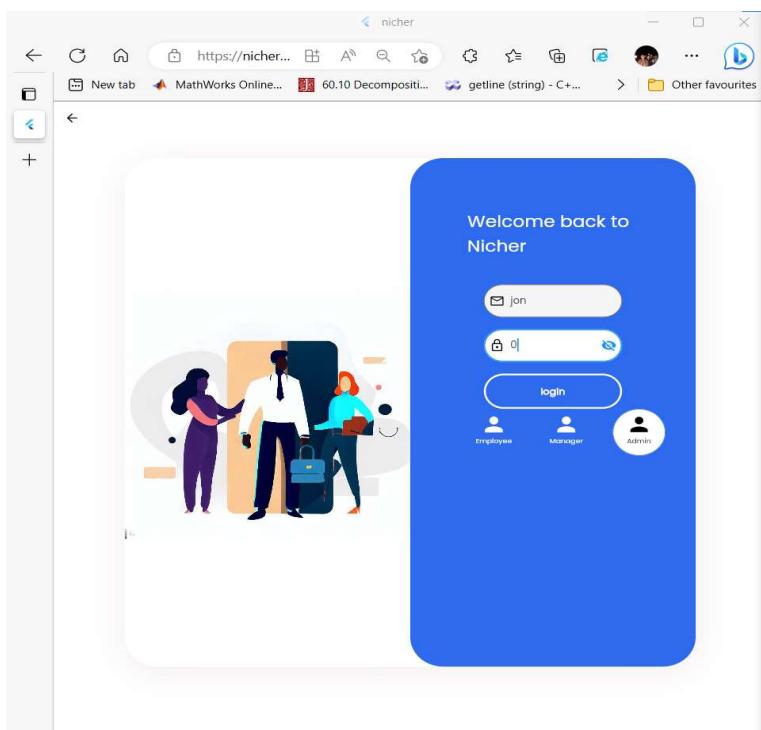
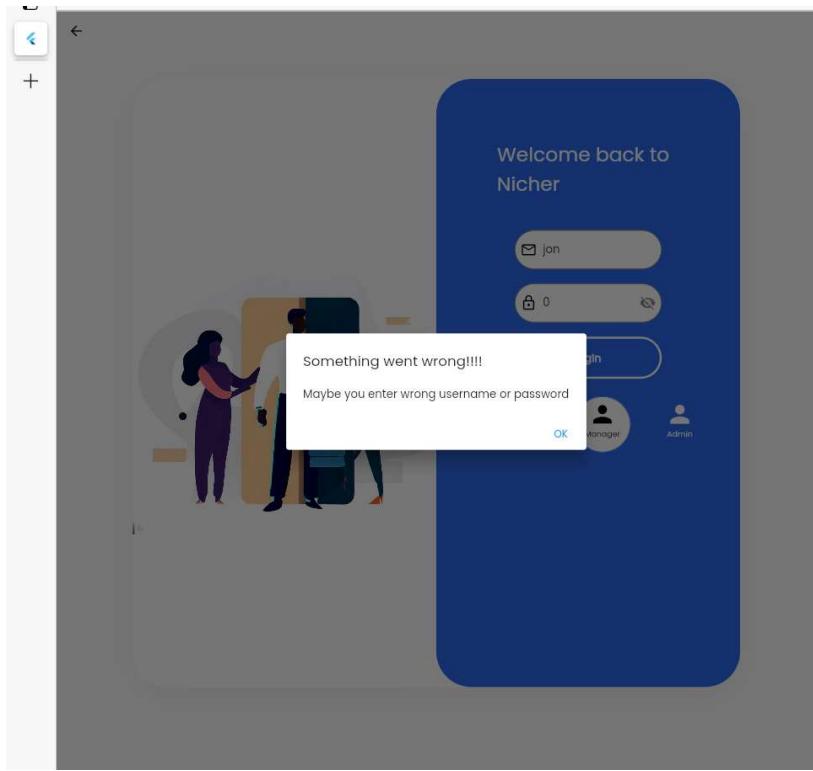


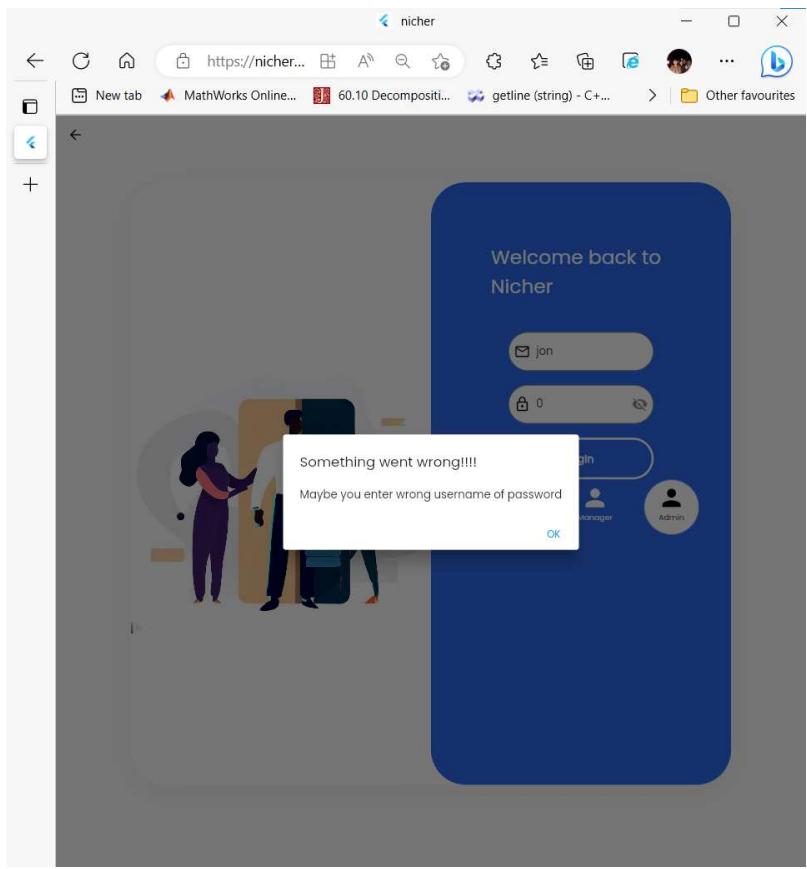
The screenshot shows a web browser window titled "nicher". The URL in the address bar is https://nicher-c9290.web.app/#/admin_login. The main content area features a large image of an office environment with several people working at desks with multiple monitors. To the right of the image, the text "Hey, admin" is displayed, followed by "Admin" and "0". Below this, there is a section titled "Departments" listing four categories: "Software Development" (Project P1, Employee 37), "Information Security" (Project P2, Employee 8), "Quality Assurance" (Project P3, Employee 9), and "Network Administration". Each category has a "View More" button to its right.

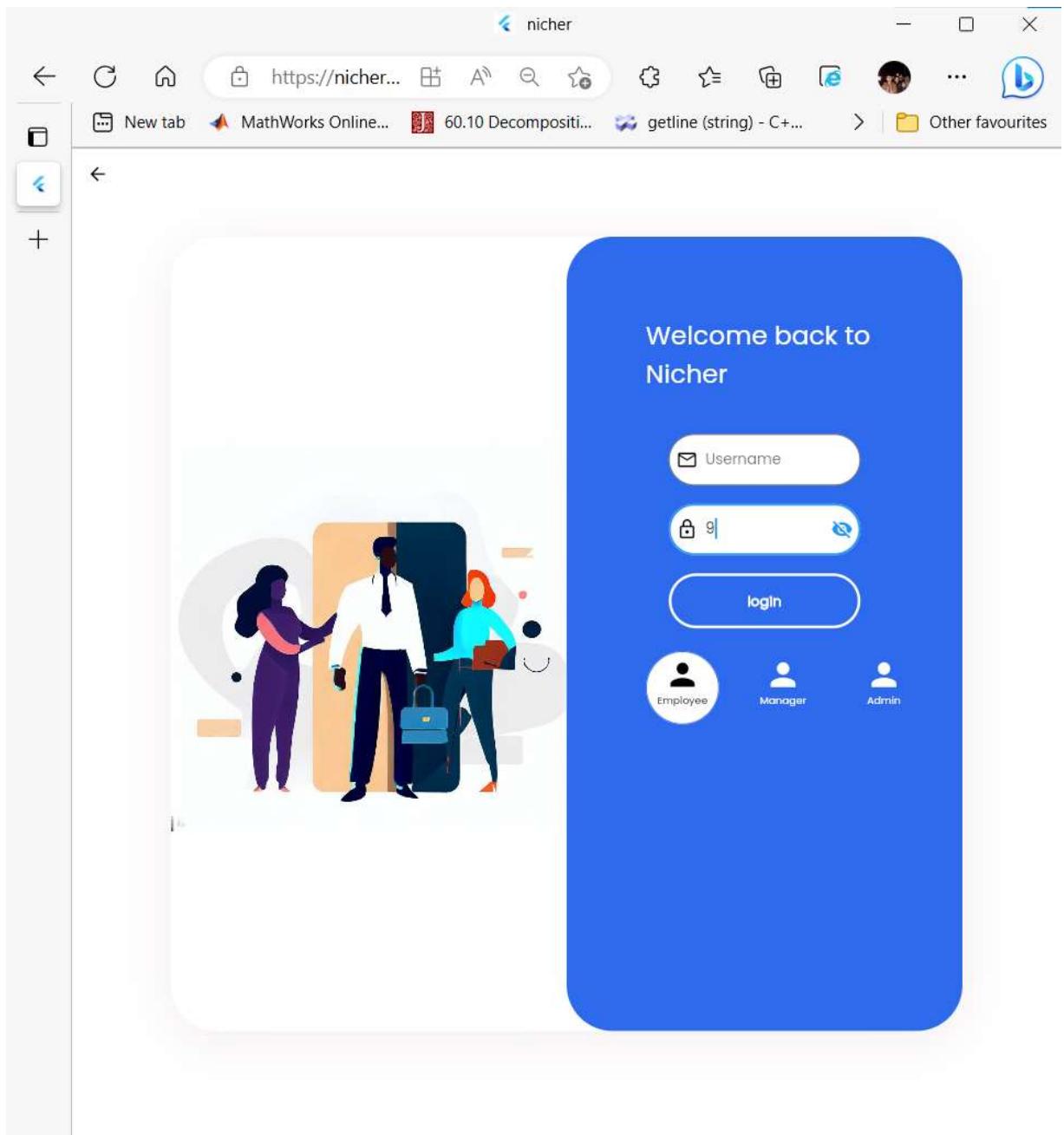
This screenshot shows the same web application interface as the first one, but with a modal dialog box overlaid. The dialog box has a dark blue header with the text "Welcome back to Nicher". Below the header, there are two buttons: one with an envelope icon labeled "admin" and another with a lock icon labeled "ad". A small circular icon with a person icon and the word "Admin" is also visible. The main body of the dialog box contains the text "Something went wrong!!!!" and "Maybe you enter wrong username or password". At the bottom right of the dialog box is an "OK" button. The background of the browser window is dimmed, indicating the modal is active.

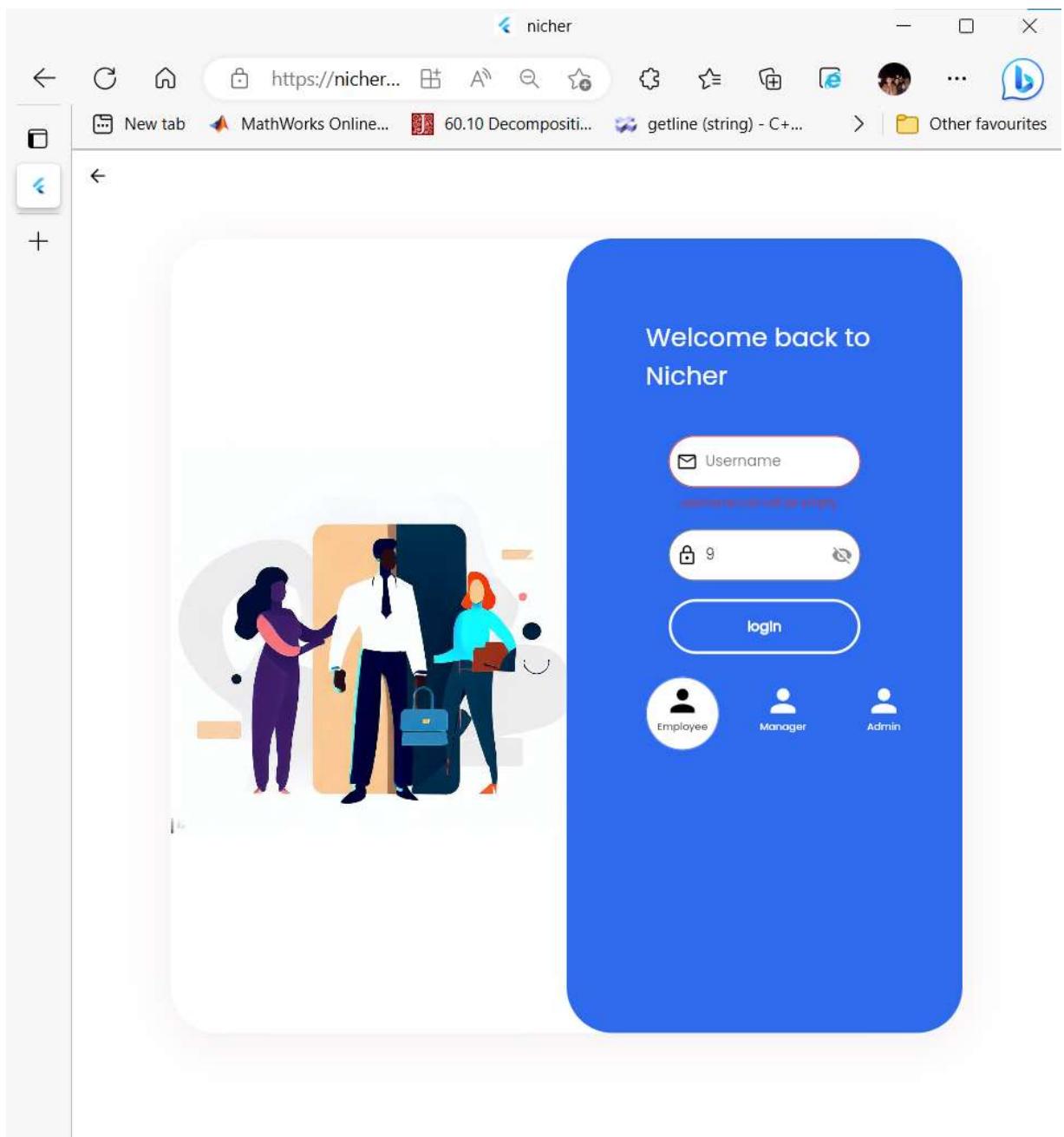


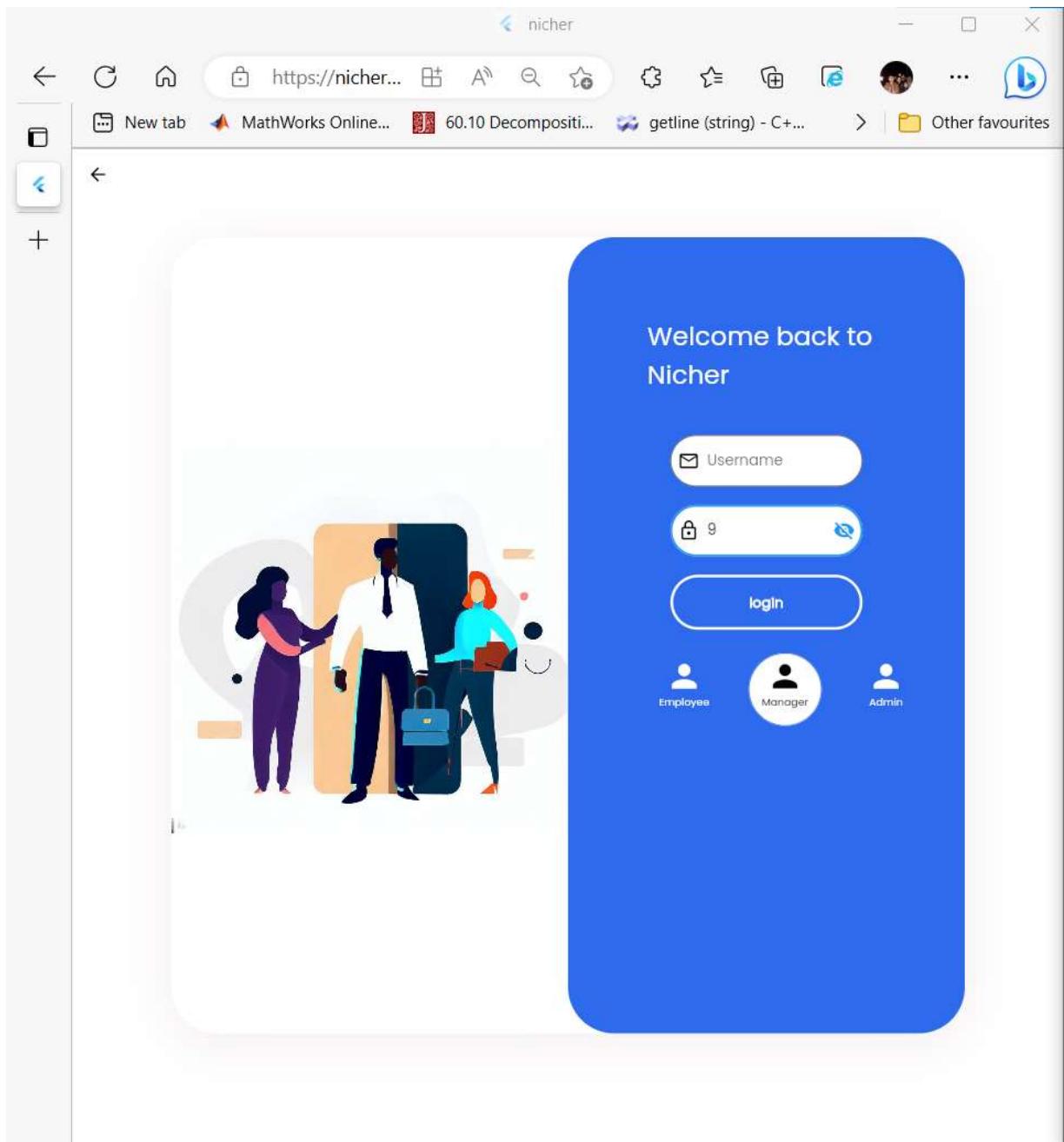


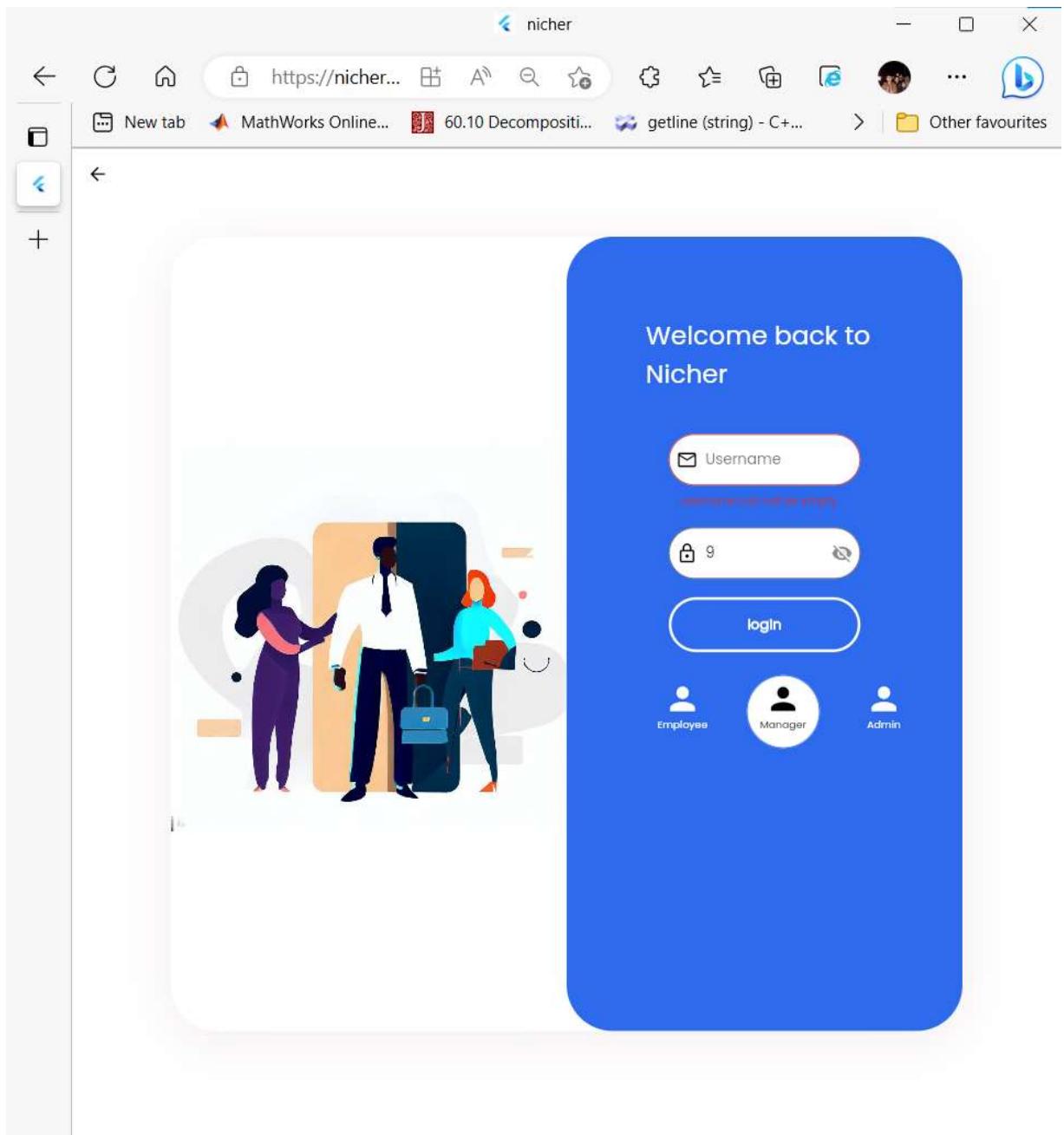


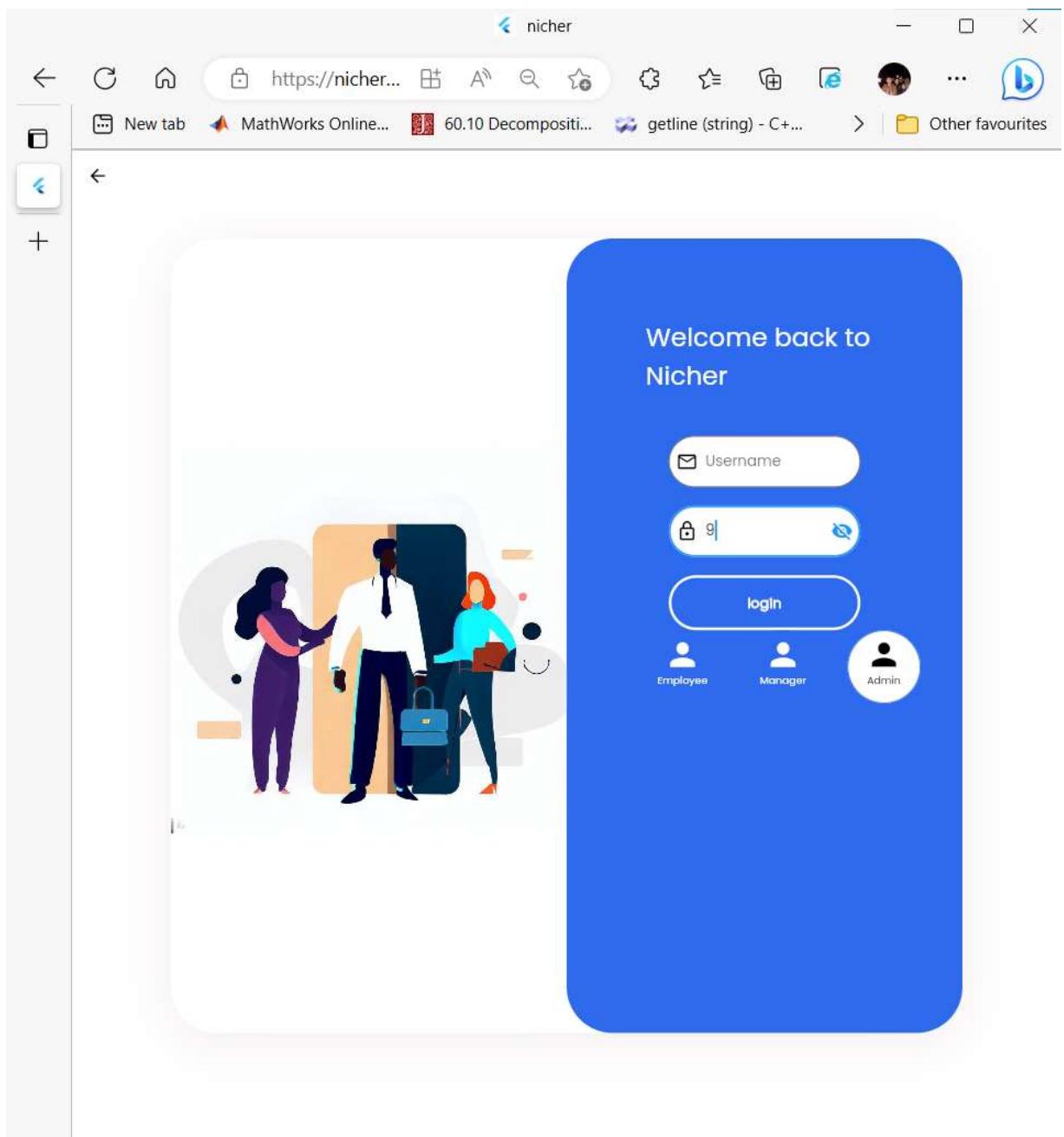


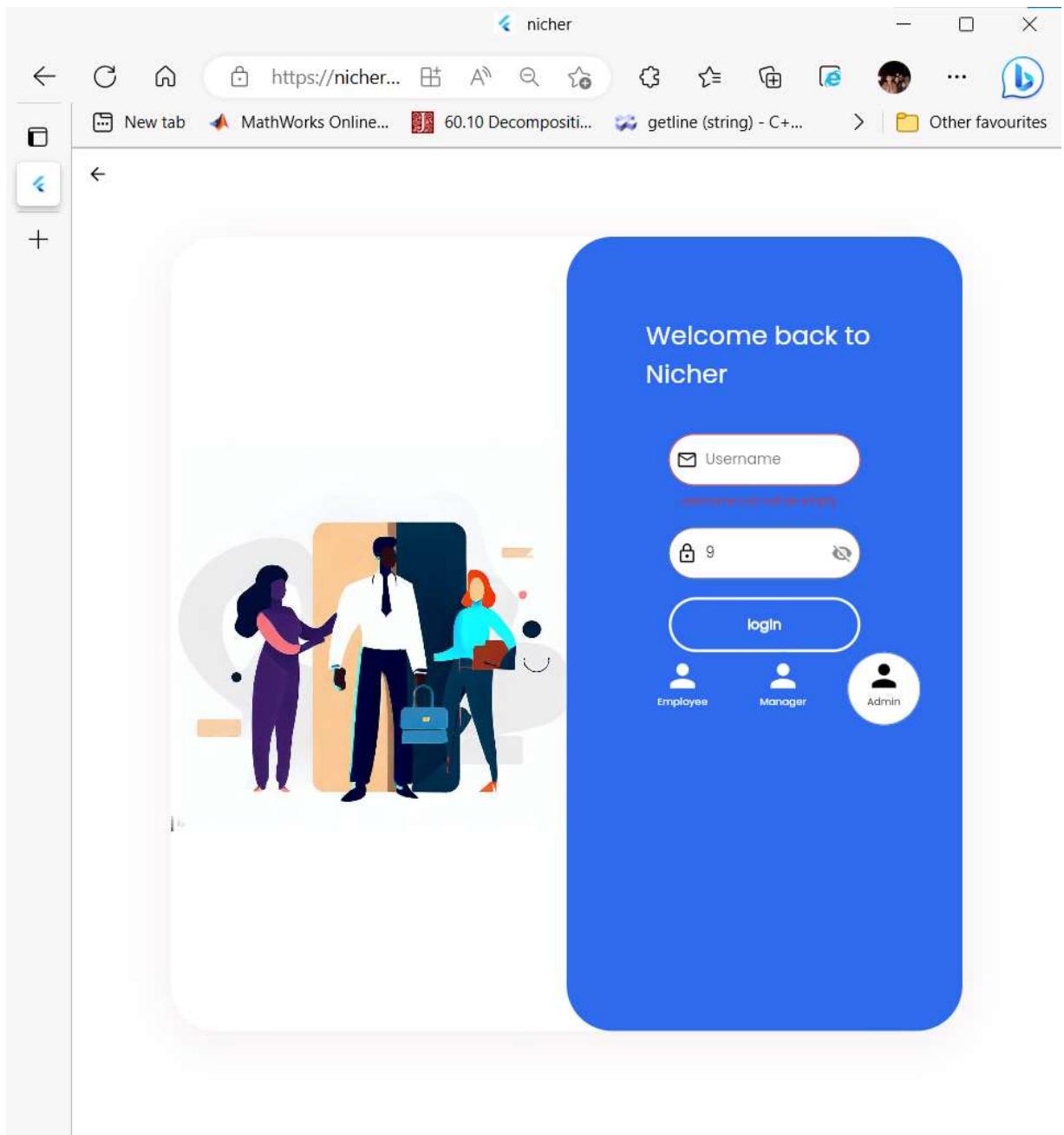


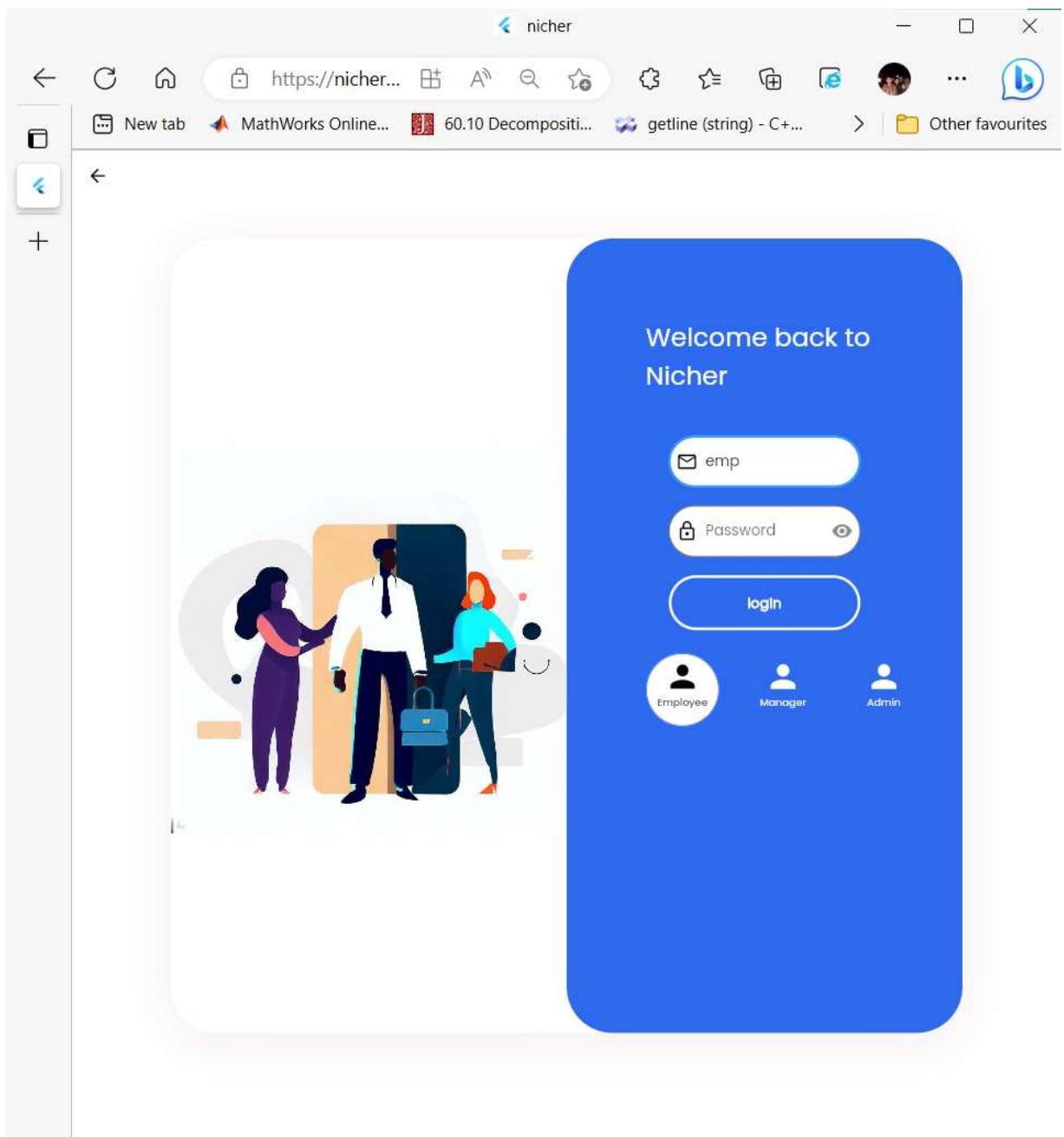


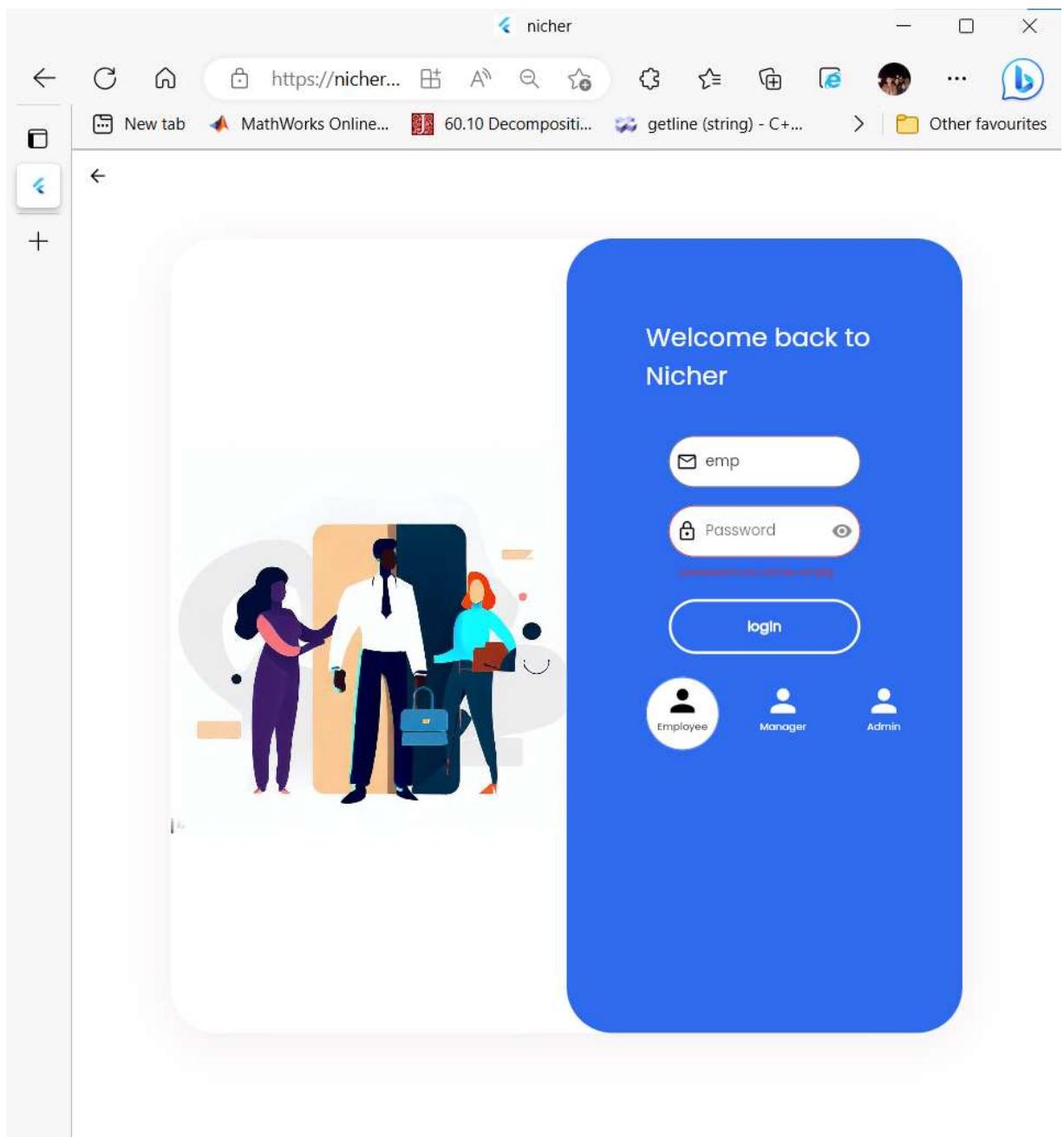


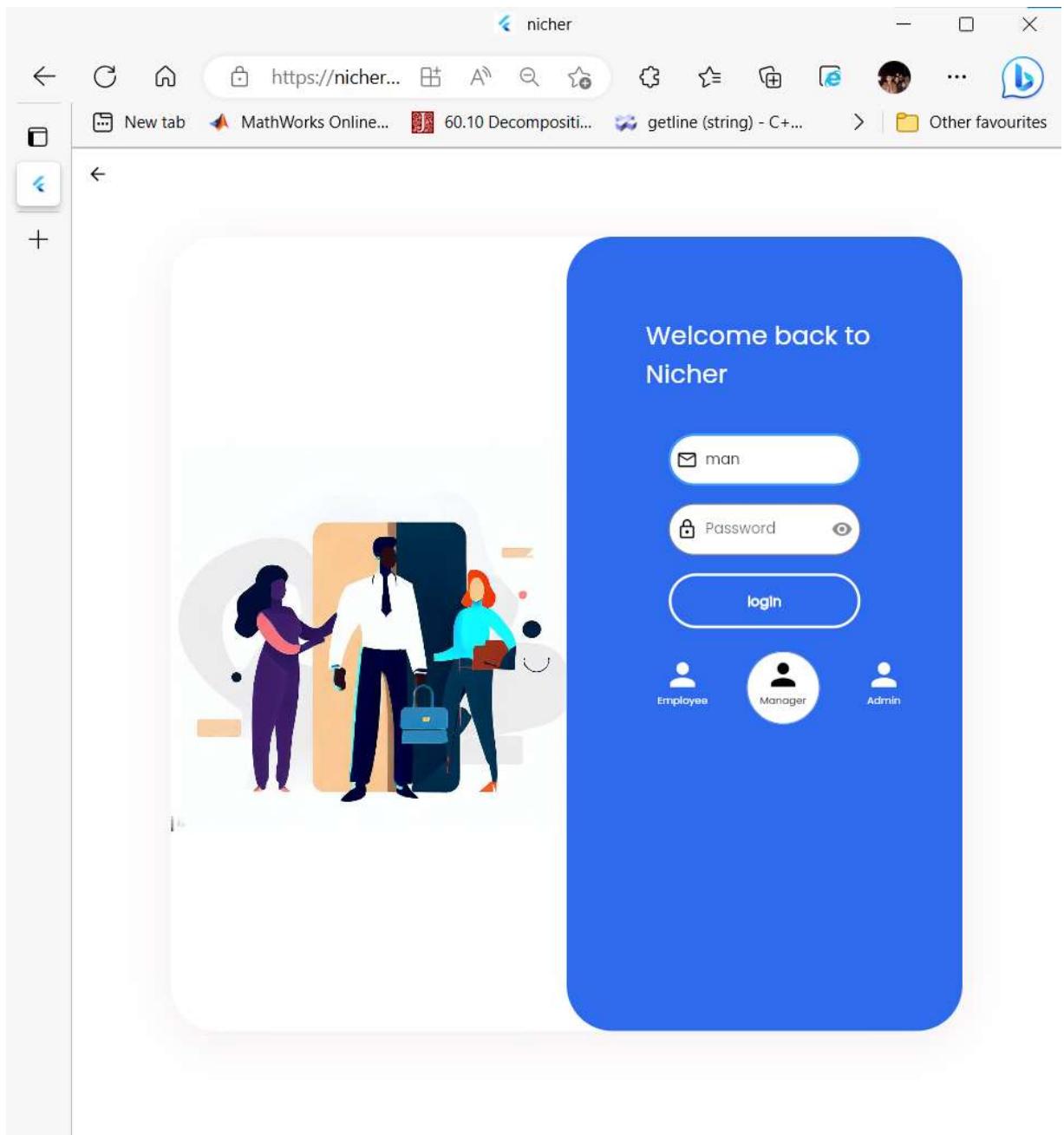


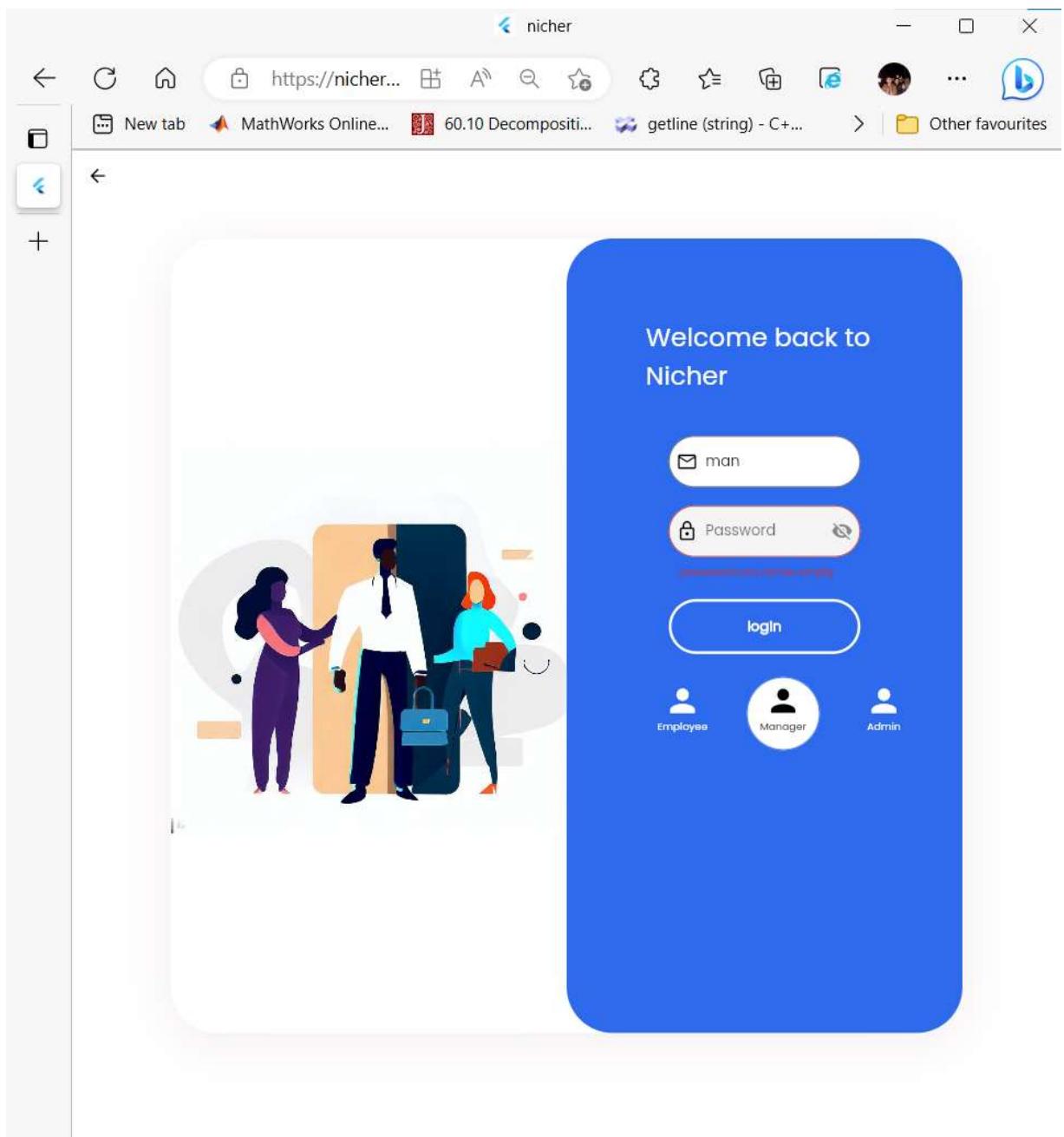


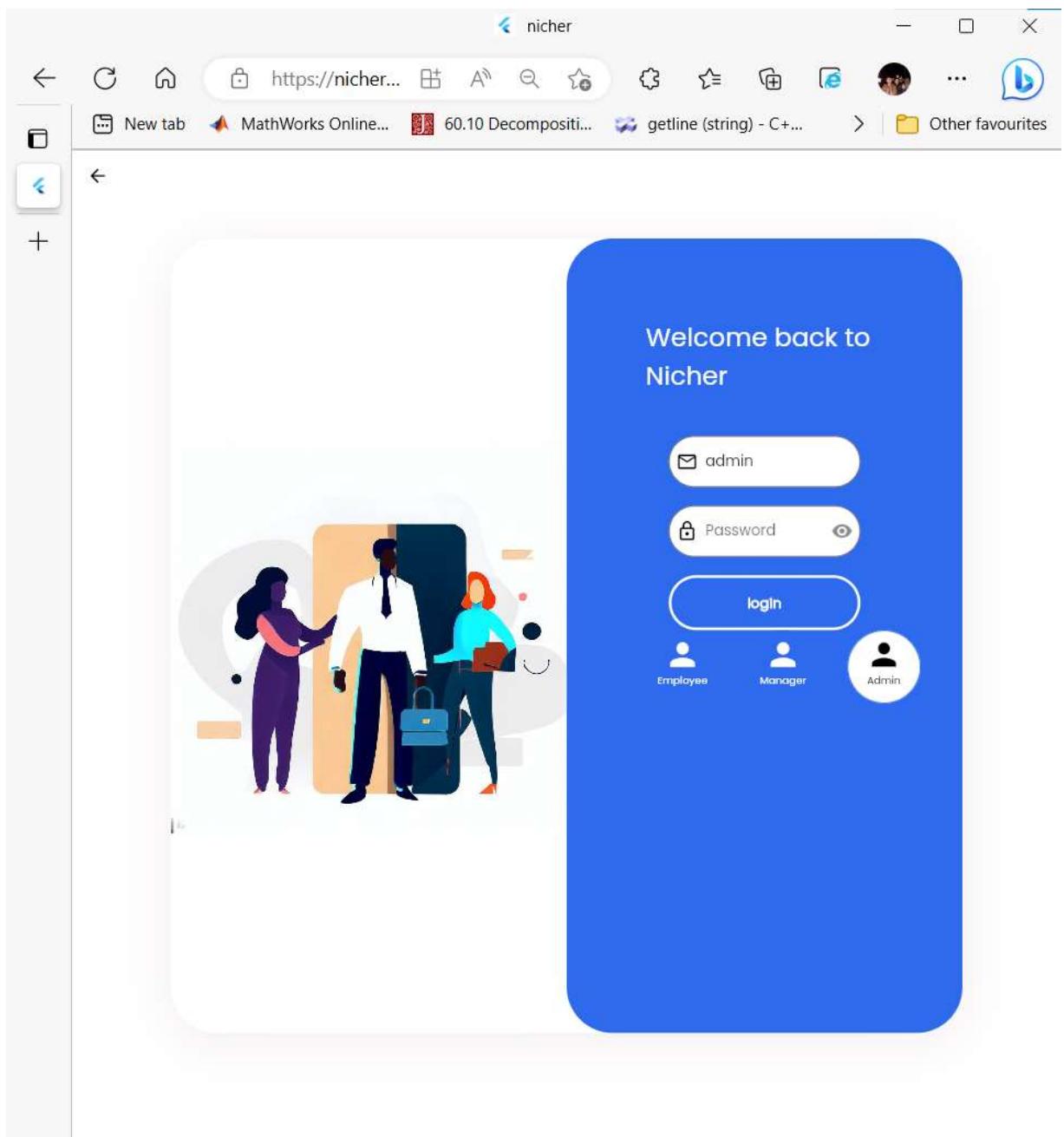


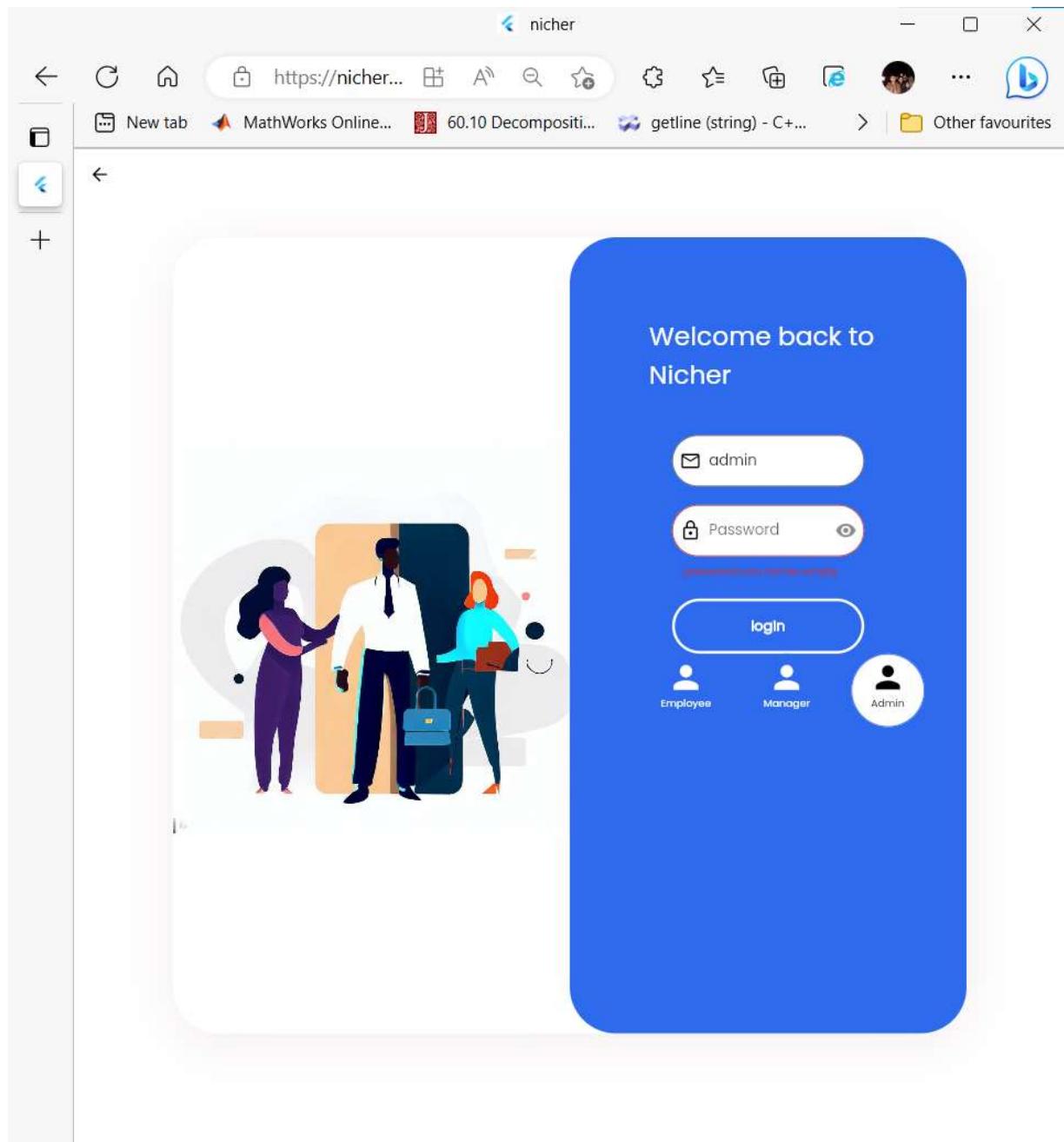












Requirement 2: Employees must be able to view their profile.

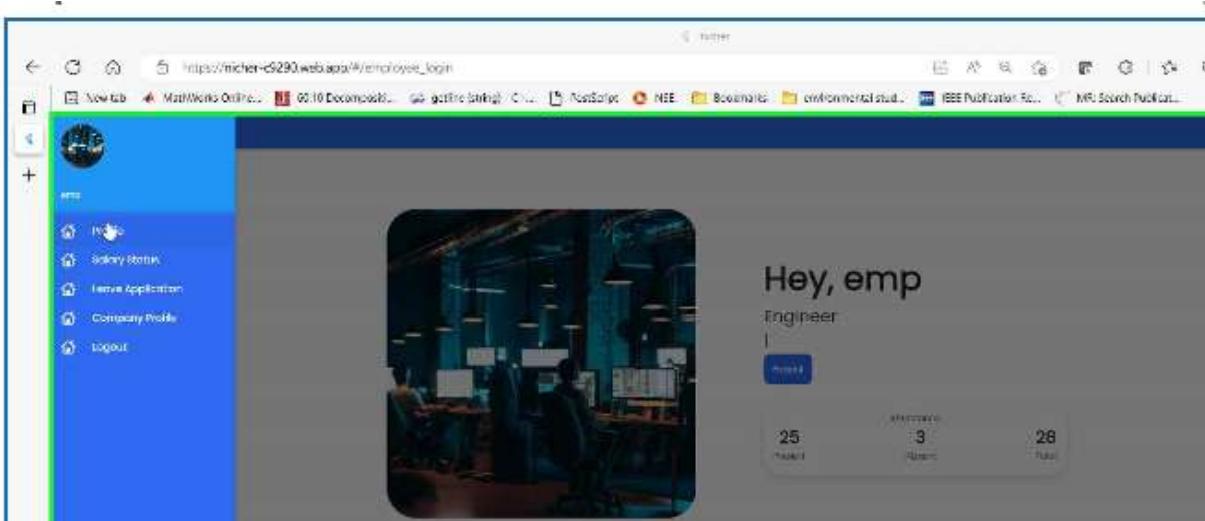
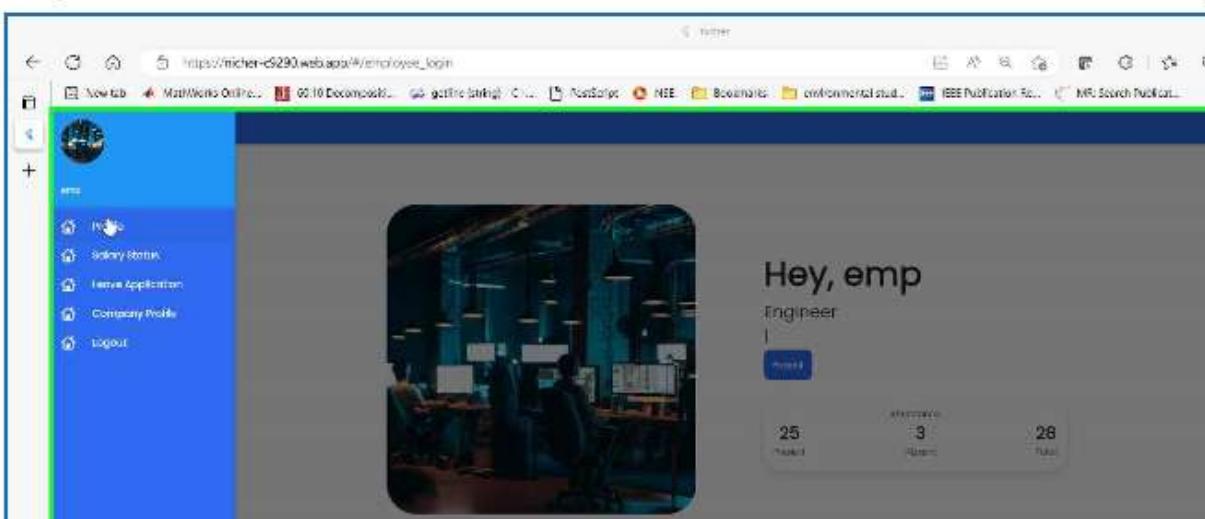
Scenario: Employee Logged in

Input: Employee enquires the system for Profile

Output: .Employee Profile screen

Sr.. No.	Input	Expected Output	Actual Output	Result
1.	enquiry for profile (through "Profile Button"), to be concrete	Employee Profile	Employee Profile	Pass

Snapshots



Requirement 3: The system offers scheduling and attendance tracking to ensure compliance with staffing needs.

Refined Requirement 3.a Employee can request for leave to his manager.

Scenario: Employee on his homepage

Input1: Start Date	Input2: EndDate	Expected Output	Actual Output	Result
28/4/23	3/5/23	Leave request visible to manager	Leave Request Visible to Manager	Pass
28/4/23	27/4/23	Error (EndDate < Start Date)	Error	Pass
24/4/23	28/4/23	Error (StartDate < Today)	Error	Pass

Employee Leave Application Screen:

The screenshot shows a web browser window titled "nicher" with the URL https://nicher-c9290.web.app/#/employee_login. The main content area is titled "Leave Application". It displays the following form fields:

- Employee ID: 177
- Select the start date of Leave
Selected Date: 28/4/2023 [Start Date](#)
- Select the last date of Leave
Selected Date: 3/5/2023 [Last Date](#)
- Leave Type: [Others](#)
- [submit](#)

Manager Approve Leave Screen:

The screenshot shows a web browser window titled "nicher" with the URL https://nicher-c9290.web.app/#/manager_login. The main content area is titled "nicher". It displays the following information:

28-04-2023 To 03-05-2023
177 Others

[Approve](#) [Reject](#)

Employee Leave Application Screen:

The screenshot shows a web browser window titled "nicher" with the URL https://nicher-c9290.web.app/#/employee_login. The main content area is titled "Leave Application". It displays the following information:

- Employee ID: 177
- Selected Date: 28/4/2023 (Start Date button)
- Selected Date: 27/4/2023 (Last Date button)
- Leave Type: Others

A blue "submit" button is located at the bottom right of the form.

Employee Leave Application Screen:

The screenshot shows a web browser window titled "nicher" with the URL https://nicher-c9290.web.app/#/employee_login. The main content area is titled "Leave Application". It displays the following information:

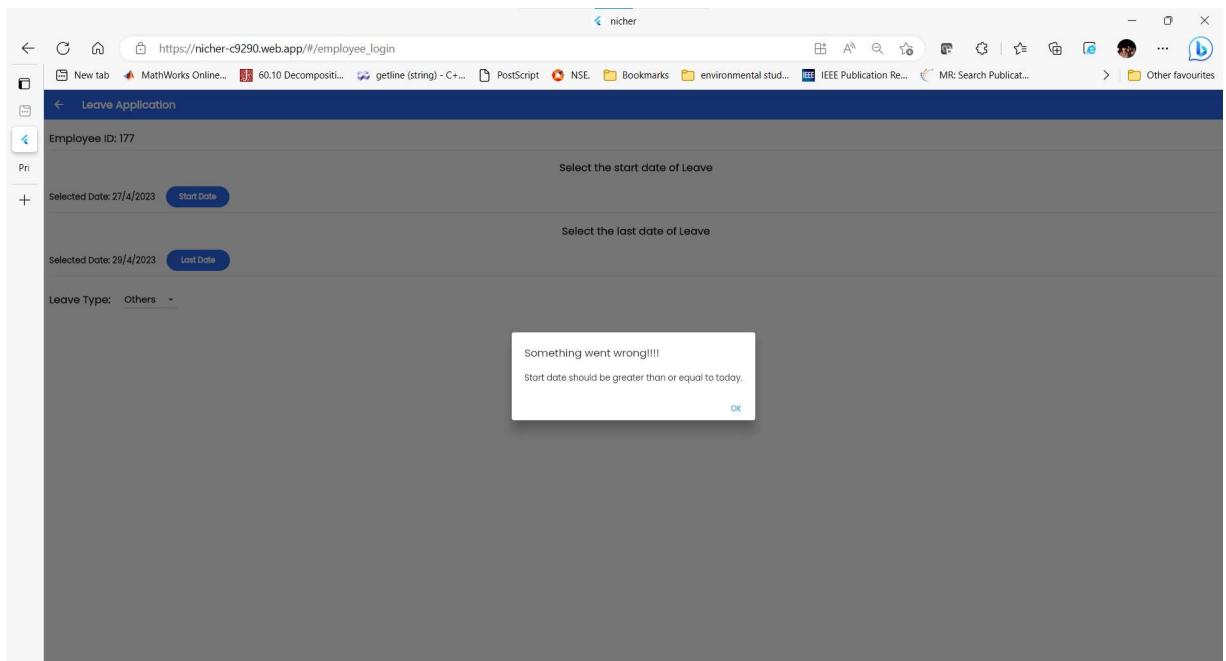
- Employee ID: 177
- Selected Date: 28/4/2023 (Start Date button)
- Selected Date: 27/4/2023 (Last Date button)
- Leave Type: Others

A modal dialog box is centered on the screen with the following message:

Something went wrong!!!
End date should be greater than the start date.

OK

Employee Leave Application Screen:



Refined Requirement 3.b: Manager can approve/reject leave

Scenario: Manager logged in and on the screen “Approve Leave”

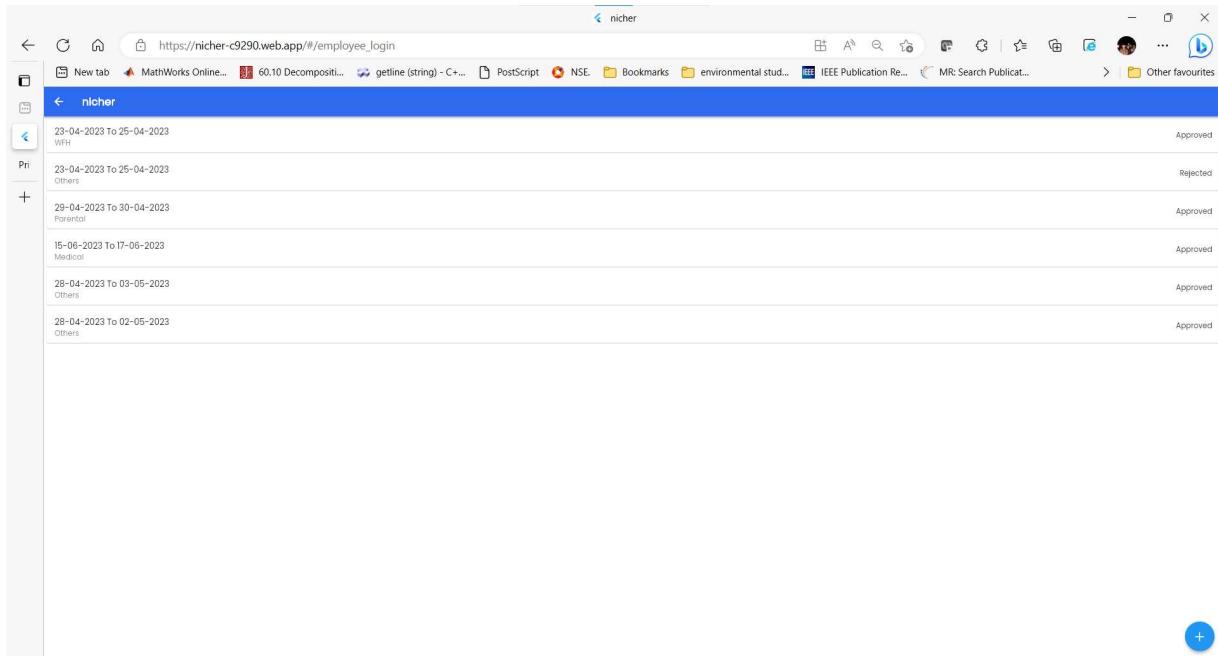
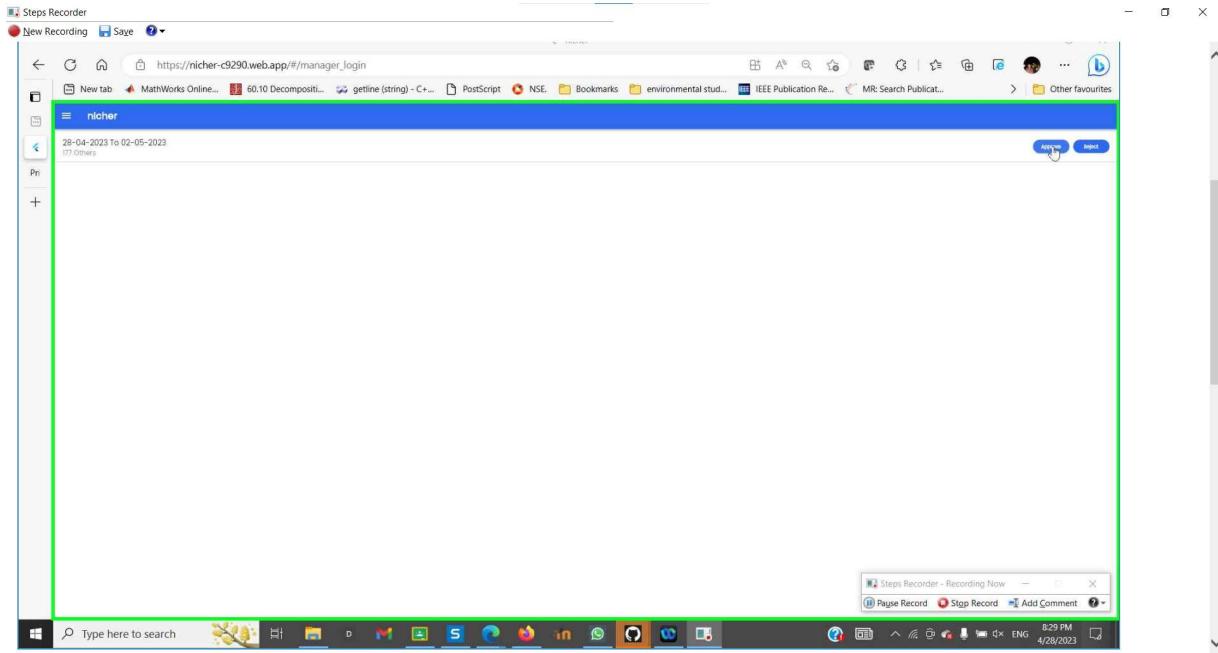
- Input: Approve Leave

Expected Output: Approved Leave Visible on User

Actual Output: Approved Leave Visible on User

Result: Pass

Snapshots



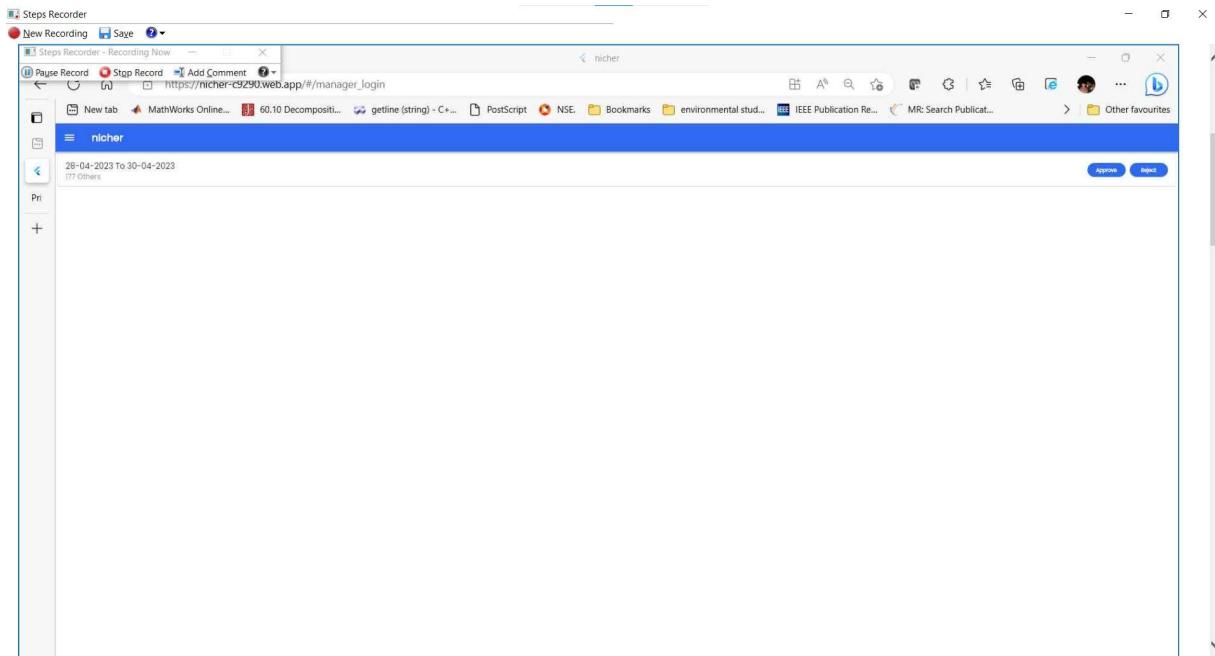
- Input: Reject Leave

Expected Output: Rejected Leave Visible on User

Actual Output: Rejected Leave Visible on User

Result: Pass

Manger rejects leave of Employee Ram



Ram's leave application status screen

The screenshot shows a web browser window titled 'nicher' with the URL https://nicher-c9290.web.app/#/employee_login. The page displays a table of leave applications:

	23-04-2023 To 25-04-2023	Approved	
Pri	23-04-2023 To 25-04-2023	Rejected	
+/-	29-04-2023 To 30-04-2023	Approved	
	15-06-2023 To 17-06-2023	Approved	
	28-04-2023 To 03-05-2023	Approved	
	28-04-2023 To 02-05-2023	Approved	
	28-04-2023 To 30-04-2023	Approved	
	28-04-2023 To 30-04-2023	Rejected	

Requirement 4a All Users can mark their attendance

- Input: Click on Present

Expected Output: No. of present days increase by 1

Actual Output: No Update

Result: Fail

Ram's Homepage

A screenshot of a web browser window titled "nicher". The URL in the address bar is https://nicher-c9290.web.app/#/employee_login. The page content includes a dark-themed background image of an office interior with multiple computer monitors. On the right side, there is a user profile section with the name "Hey, ram", title "SCRUM Master", and ID "177". Below this is a button labeled "Present". To the right of the button is a summary box titled "Attendance" containing three items: "Present" (1), "Absent" (0), and "Total" (1).

After clicking on Present:

A screenshot of a web browser window titled "nicher". The URL in the address bar is https://nicher-c9290.web.app/#/employee_login. The page content includes a dark-themed background image of an office interior with multiple computer monitors. On the right side, there is a user profile section with the name "Hey, ram", title "SCRUM Master", and ID "177". Below this is a button labeled "Present". To the right of the button is a summary box titled "Attendance" containing three items: "Present" (1), "Absent" (0), and "Total" (1). The "Present" button has a blue outline, indicating it has been interacted with.

Requirement 5: Users can see their Salary Status

Scenario: User Aadhyा Basu logged in

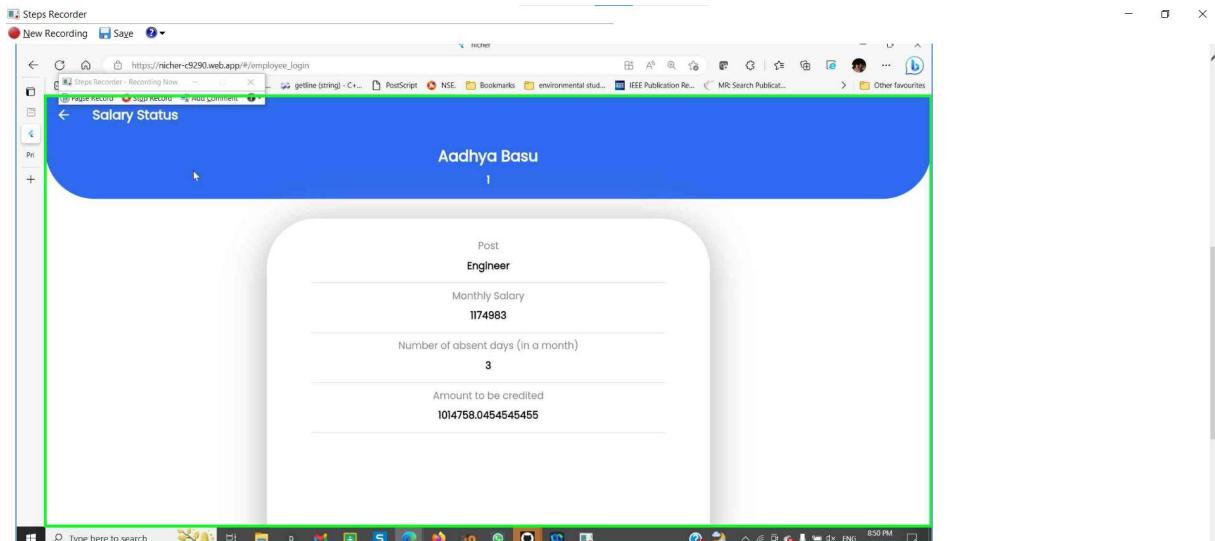
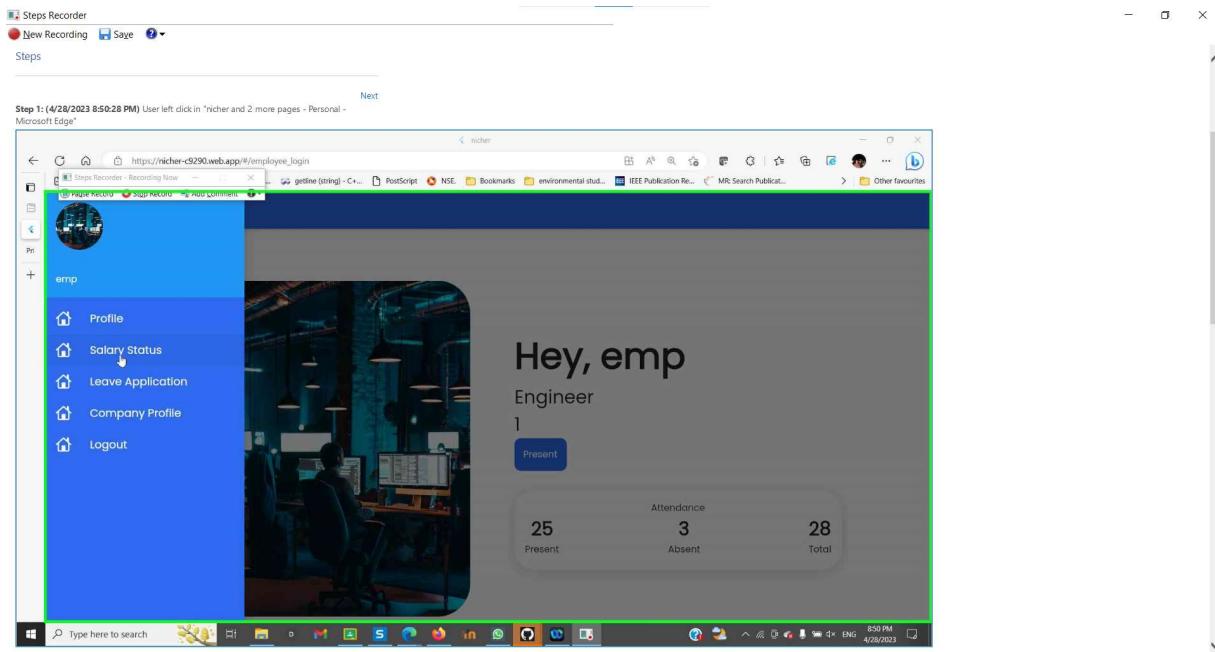
- Input: User access Salary

Expected Output: User's Salary Status

Actual Output: User's Salary Status

Result: Pass

Snapshots



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Additional Details

The following section contains the additional details that were recorded.
These details help accurately identify the programs and UI you used in this recording.

Requirement 6: Manager can add employee

Scenario: Manager Logged in, and on the Create Employee screen

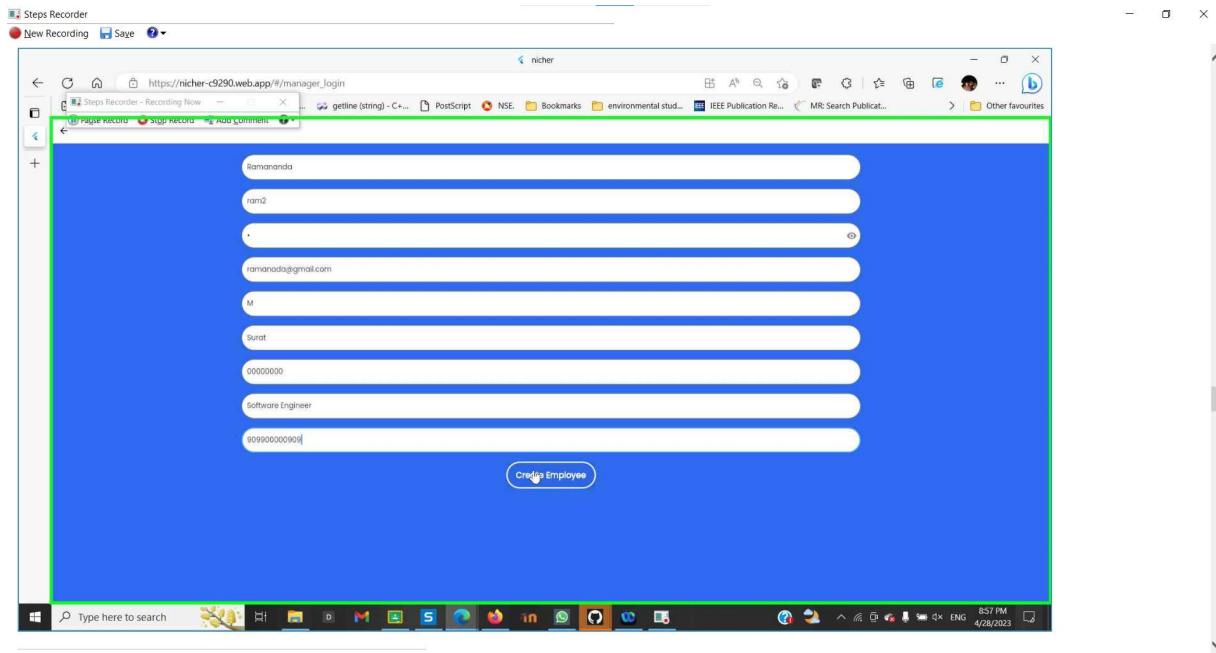
- Input: Employee details (self-verified)

Expected Output: Employee created. Hence he can login.

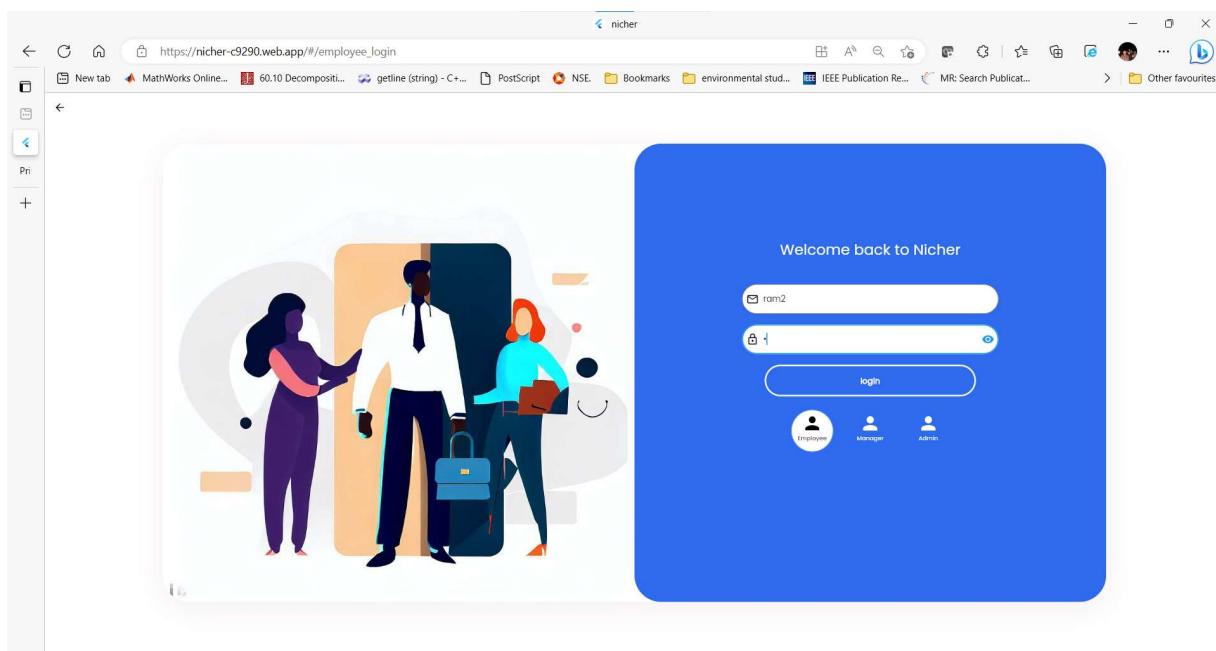
Actual Output: Employee created. Hence he can login.

Result: Pass

Snapshots:



-> Now, on login screen:



nicher

https://nicher-c9290.web.app/#/employee_login

New tab MathWorks Online... 60.10 Decomposit... getline (string) - C+... PostScript NSE Bookmarks environmental stud... IEEE Publication Re... MR: Search Publicat... Other favourites

nicher

Pri +

Hey, ram2

Software Engineer

178

Present

Attendance

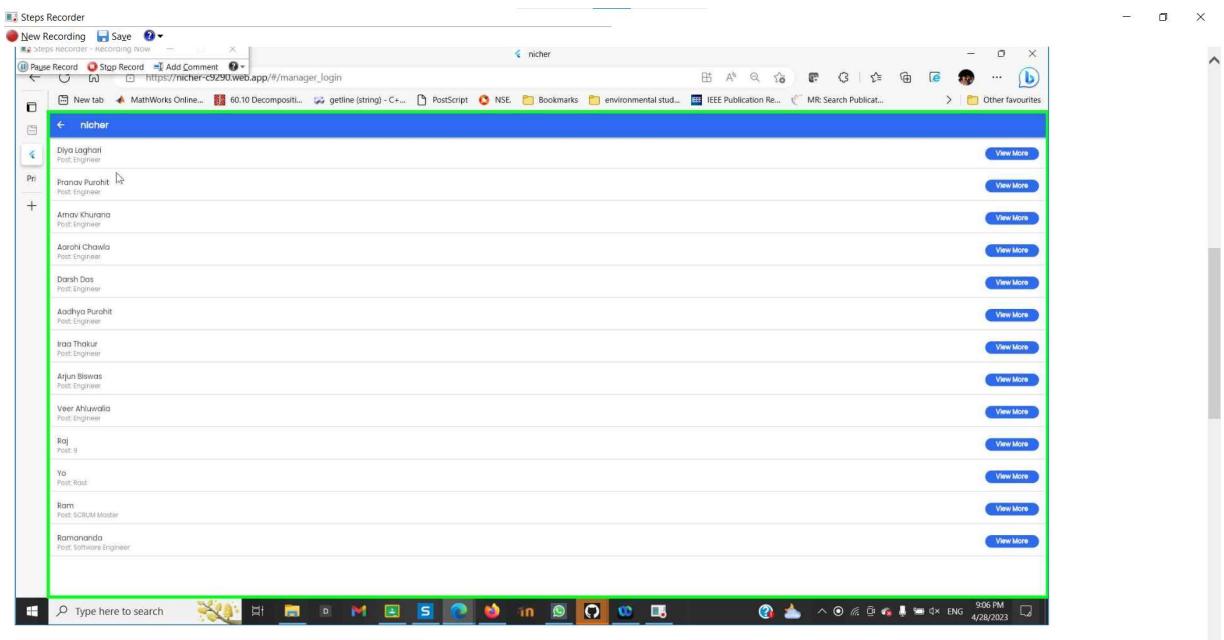
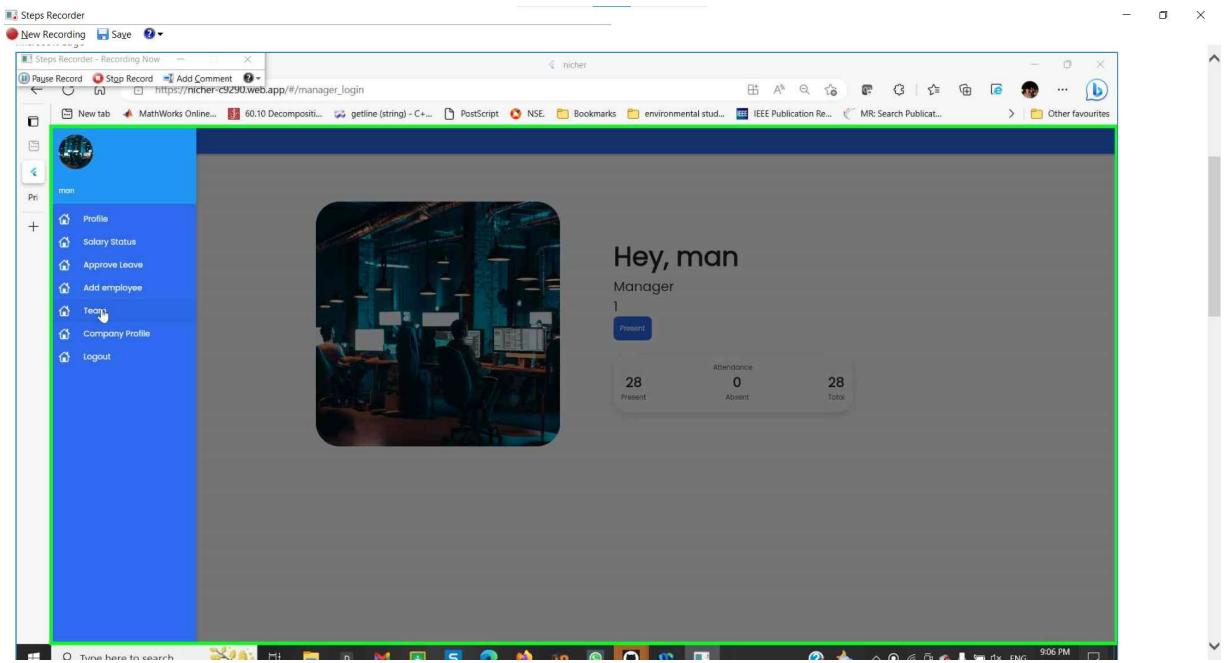
Present	Absent	Total
1	0	1

Requirement 7: Manager can view list of employees under him

Actuality: Manager, clicking on “Team” can access team details

Result: Pass

Snapshots:



Requirement 8: Manager can view Employee details

Actuality: Manager can see Employee profile clicking on “view more” besides the employee name on “Employee Lists Page”

Result: Pass

A screenshot of a Microsoft Edge browser window. The address bar shows the URL http://nicher-c9290.web.app/#/manager_login. The main content area displays a list of employees under the heading "nicher". Each employee entry includes their name, post, and a "View More" button. The employees listed are: Diya Laghari (Post: Engineer), Pranav Purohit (Post: Engineer), Arnav Khurana (Post: Engineer), Aarohi Chawla (Post: Engineer), Darsh Das (Post: Engineer), Aadhyaa Purohit (Post: Engineer), Iraa Thakur (Post: Engineer), Arjun Biswas (Post: Engineer), Veer Ahluwalia (Post: Engineer), Raj (Post: 9), Yo (Post: Rast), and Ram.

A screenshot of a Microsoft Edge browser window. The address bar shows the URL http://nicher-c9290.web.app/#/manager_login. The main content area displays a "My Profile" page for an employee named "Diya Laghari". The profile includes a circular profile picture showing a server room, the name "Diya Laghari", and the ID "Dlya_41". The profile details are as follows:

Department	Software Development
Manager	Pritika Kapoor
Gender	M
ID	41
Email	Dilya1@93@gmail.com
Phone number	9123456789
Address	Ipsum dolor sit amet, consectetur adipiscing
Current Project	PI
Post	Engineer
Date of joining	01-01-2020

Requirement 9: Admin can see departments

Actuality: departments visible on Homepage

Result: Pass

The screenshot shows a web browser window with the URL https://nicher-c9290.web.app/#/admin_login. The main content area displays a dashboard for an administrator. On the right, there's a greeting "Hey, admin" followed by the role "Admin" and a count of "0". Below this is a section titled "Departments" which lists various organizational units:

- Software Development: Project 31, Employee 37
- Information Security: Project 22, Employee 8
- Quality Assurance: Project 12, Employee 9
- Network Administration: Project 4, Employee 14
- Database Management: Project 13, Employee 13
- Technical Support: Project 10, Employee 10
- Cloud Infrastructure: Project 7, Employee 12
- Business Intelligence: Project 16, Employee 16
- Web Development: Project 9, Employee 5
- Mobile Development: Project 15, Employee 15

Each department entry includes a "View More" button.

Requirement 10: Admin can see Employees in a department

Actuality: Admin can access employees in a department clicking on viewmore

Result: Pass

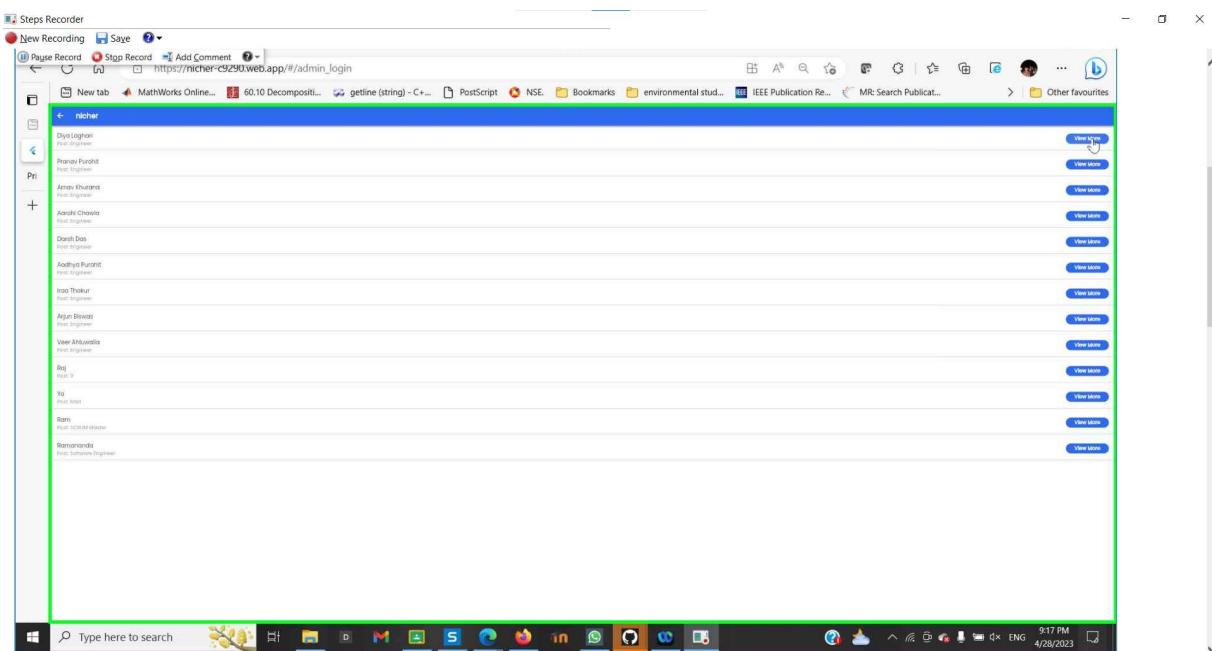
The screenshot displays two windows of a web application. The top window is a recording interface for 'Steps Recorder', showing a dashboard with a 'Hey, admin' greeting, the title 'Admin', and a count of '0'. Below this is a list of departments: Software Development, Information Security, Quality Assurance, Network Administration, Database Management, Technical Support, Cloud Infrastructure, Business Intelligence, Web Development, and Mobile Development. Each department entry includes a 'View more' button. The bottom window is a browser tab titled 'nicher' showing a list of employees under the 'Software Development' department. The list includes: Diya Lohar (Post. Engineer), Parneu Purushit (Post. Engineer), Amey Khurana (Post. Engineer), Arav Chawla (Post. Engineer), Disha Desai (Post. Engineer), Aditya Purushit (Post. Engineer), Iraa Thakur (Post. Engineer), Arjun Bhasin (Post. Engineer), Veer Ankuwala (Post. Engineer), Raj (Post. Engineer), Yo (Post. Engineer), Ram (Post. SODA Master), and Ramananda (Post. Software engineer). Each employee entry also has a 'View more' button.

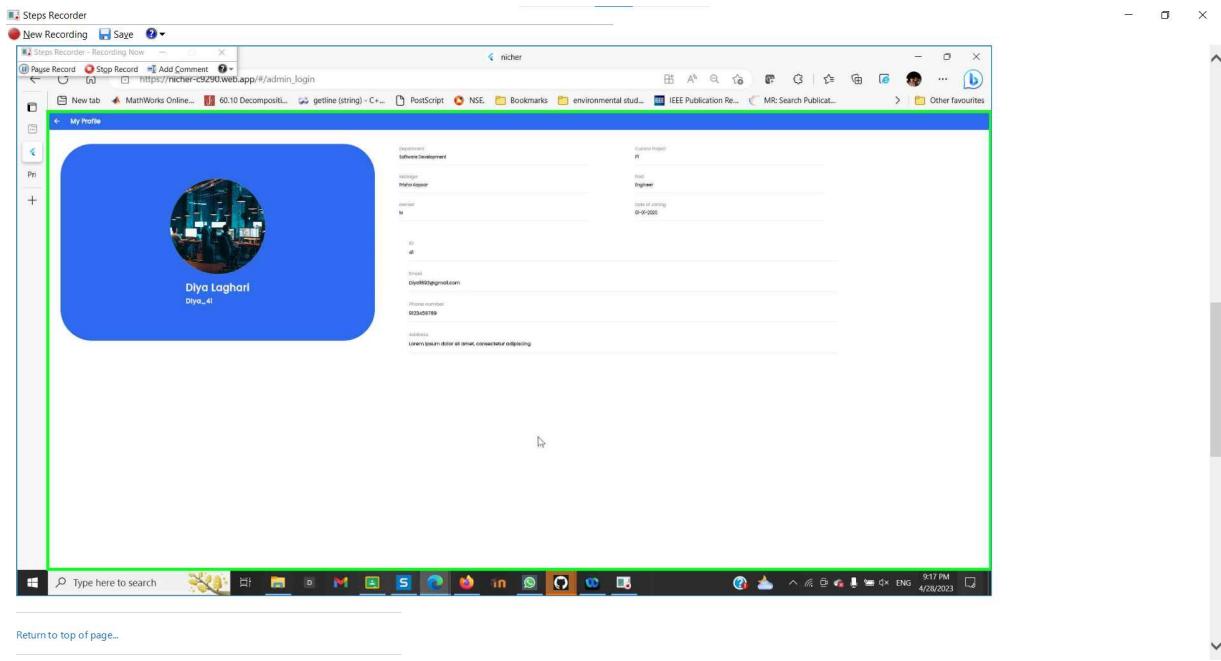
Requirement 11: Admin can see employee details

Actuality: Admin can see employee profile by clicking on “View More” besides the employee name visible on the “Employee Details Screen” of a department.

Result: Pass

Snapshots:





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