



USER MANUAL FOR UNIVERSITY MANAGEMENT SYSTEM

GROUP G

CLARKSON UNIVERSITY EE468 DATABASE SYSTEMS

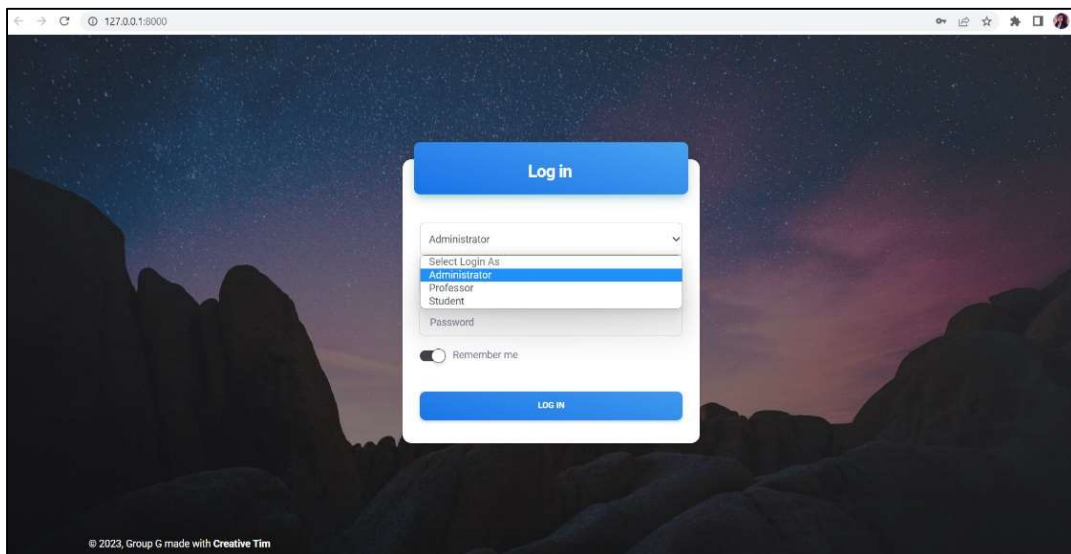
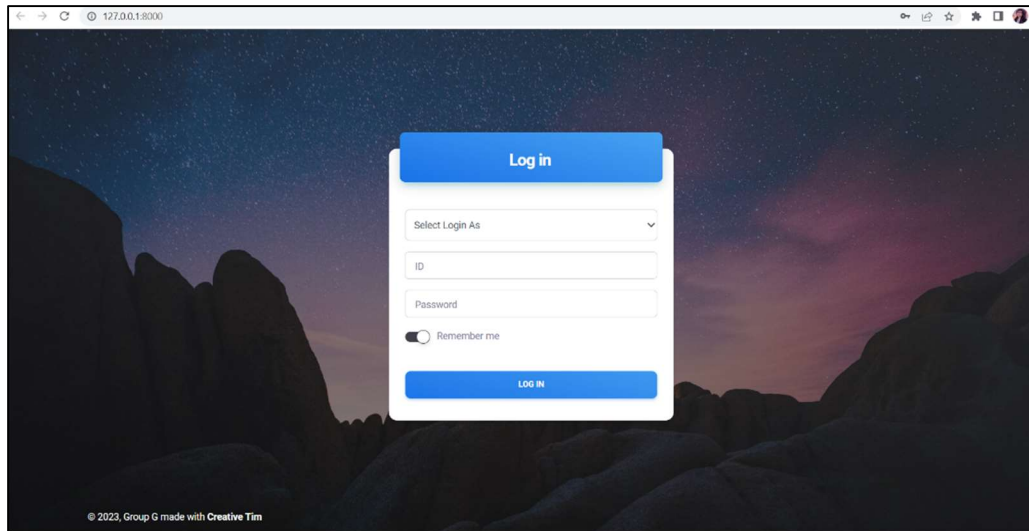


Contents

Log in	2
Log in as admin (if wrong user pass).....	2
Administrator Feature	3
Log in as Administrator (Correct credentials):.....	3
Dashboard:.....	4
Roaster:.....	4
Sorting Roaster:	5
Salary:.....	6
Performance:	7
Professor Feature.....	8
Log in as a Professor:	8
Dashboard:.....	9
Course Sections:.....	9
Course Students:.....	10
Not Data Found:.....	12
Student.....	12
Log in as a Student:.....	12
Dashboard:.....	13
Department Courses:.....	13

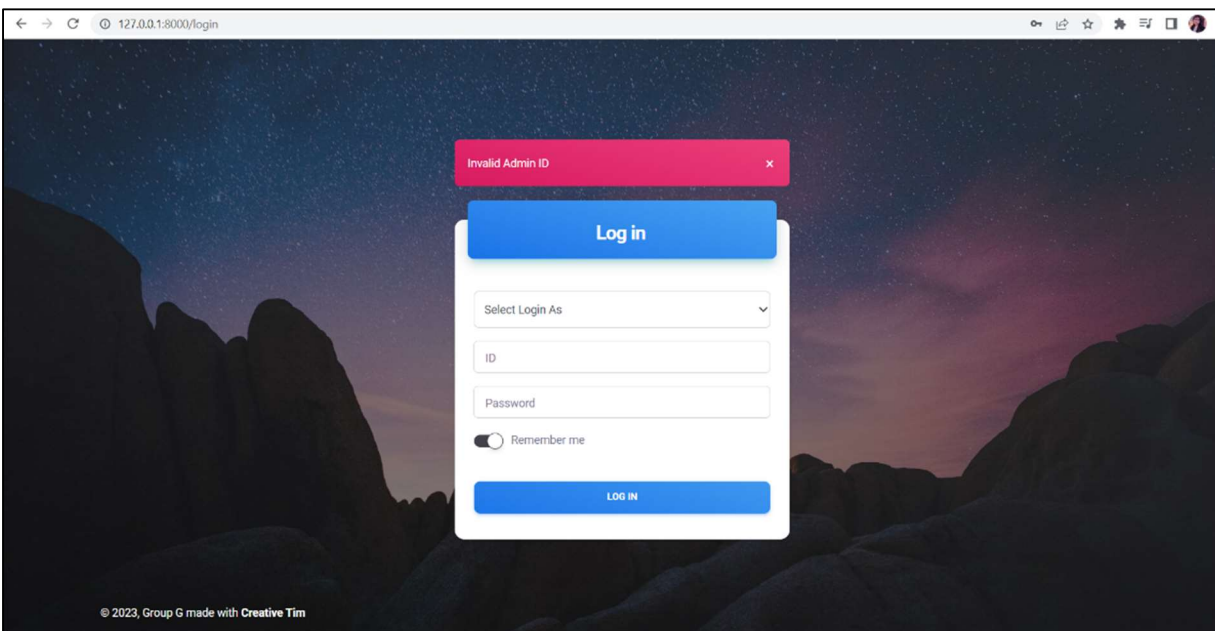
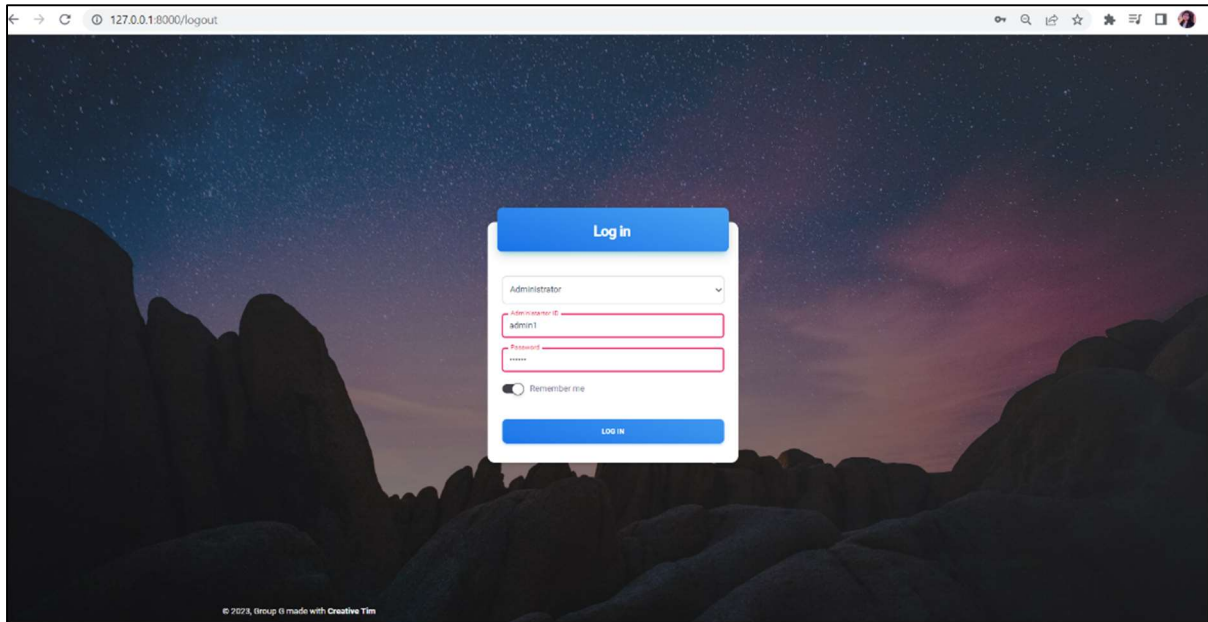
Log in

The login form contains three options: Administrator, Professor, and Student. To access the system, must enter the appropriate User ID and password associated with your selected login option. Only with the correct login credentials can you successfully log in to the system.



Log in as admin (if wrong user pass)

If the entered User ID and password are incorrect, the login attempt will fail, and an alert message will be displayed indicating that the ID and/or password is invalid. The user will be redirected back to the login page, and they will not be able to successfully log in until they provide the correct User ID and password combination. The process is shown in the following screenshot:

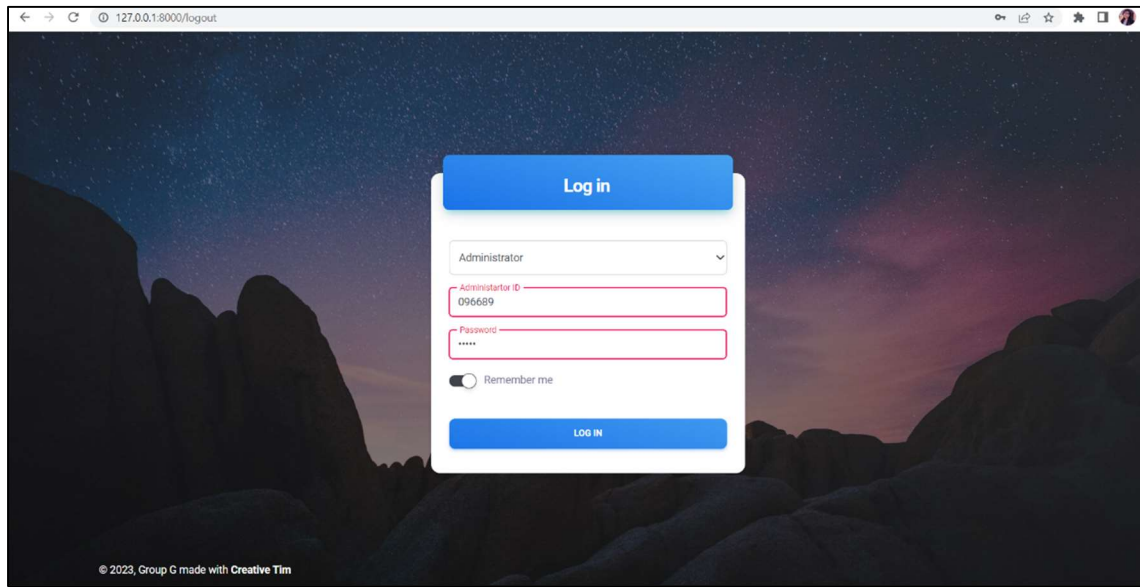


Administrator Feature

Log in as Administrator (Correct credentials):

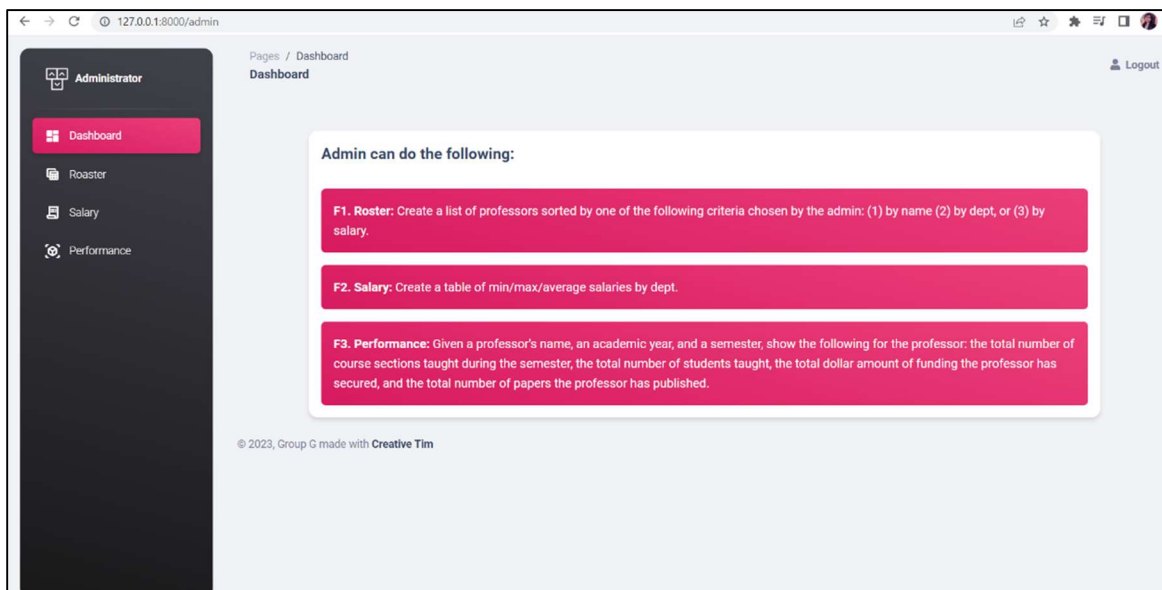
To log in as an administrator, you need to select the "Administrator" option from the dropdown menu on the login page. Then, you will be prompted to enter your administrator ID and password. For example, if your administrator ID is "096686" and your password is "12345",

then click the "Login" button to complete the login process. If the entered information is correct, you will be successfully logged in as an administrator.



Dashboard:

Once we have successfully logged in as an administrator, we will be directed to the dashboard environment. The dashboard will provide an overview of the tasks that the administrator needs to perform, including tasks related to rosters, salary, and performance management processes.



Roaster:

In the roaster option, a list is shown with all the information about a professor i.e. ID, Name, department, and salary.

Administrator / Roaster
Roaster

Sort By: ID (Default) ASC

PROFESSOR ID	NAME	DEPARTMENT	SALARY
12345	Hou	ICE	\$100,000
12354	Lambert	CHS	\$150,000
13342	Thorpe	CS	\$95,000
13754	Lynch	CS	\$100,000
23456	Martin	MA	\$100,000
23456	Ramsdell	PHI	\$98,000
32123	Yao	MA	\$89,000
34567	Khondker	ICE	\$250,000
34568	NEW MA	MA	\$99,000
45273	White	MA	\$250,000
45678	New Prof.	NONE	\$0

Sorting Roaster:

The administrator has access to a sorting option that allows them to filter professor data by name, department, or salary. This sorting option provides the administrator with the flexibility to customize their view of professor data. Furthermore, the sorting option allows the administrator to view the professor list in either ascending or descending order. For instance, if the administrator wants to view the professor list in alphabetical order, they can select the "Name" option and choose "Ascending" to view the list in ascending order. Conversely, if they want to view the professor list based on the highest or lowest salary, they can select the "Salary" option and choose "Descending" to view the highest or lowest-paid professor at the top of the list.

Administrator / Roaster
Roaster

Sort By: Name ID (Default) Department Salary ASC

PROFESSOR ID	NAME	DEPARTMENT	SALARY
12345	Hou	ICE	\$100,000
12354	Lambert	CHS	\$150,000
13342	Thorpe	CS	\$95,000
13754	Lynch	CS	\$100,000
23456	Martin	MA	\$100,000
23456	Ramsdell	PHI	\$98,000
32123	Yao	MA	\$89,000
34567	Khondker	ICE	\$250,000
34568	NEW MA	MA	\$99,000
45273	White	MA	\$250,000
45678	New Prof.	NONE	\$0

127.0.0.1:8000/admin/roaster?sort_by=name&sort_direction=asc

Administrator / Roaster

Roaster

Sort By: Name DESC ASC DESC SORT

PROFESSOR ID	NAME	DEPARTMENT	SALARY
12345	Hou	EE	\$100,000
34567	Khondkar	EE	\$250,000
12354	Lambert	CH	\$150,000
13754	Lynch	CS	\$100,000
23456	Martin	MA	\$100,000
34568	NEW MA	MA	\$99,000
45678	New Prof.	None	\$0
23656	Ramsdell	PH	\$98,000
13342	Thorpe	CS	\$95,000
45273	White	MA	\$250,000
32123	Yao	MA	\$89,000



127.0.0.1:8000/admin/roaster?sort_by=name&sort_direction=desc

Administrator / Roaster

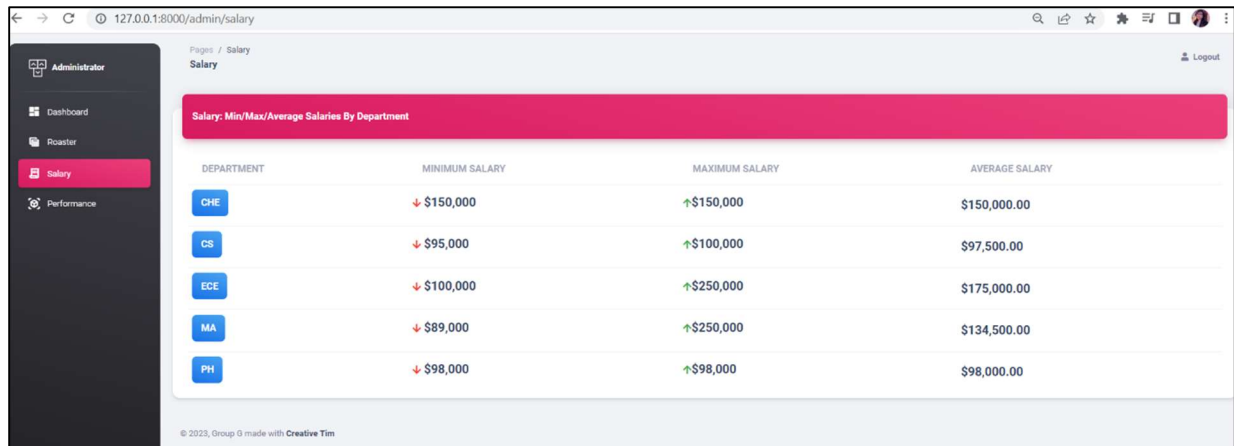
Roaster

Sort By: ID (Default) DESC SORT

PROFESSOR ID	NAME	DEPARTMENT	SALARY
32123	Yao	MA	\$89,000
45273	White	MA	\$250,000
13342	Thorpe	CS	\$95,000
23656	Ramsdell	PH	\$98,000
45678	New Prof.	None	\$0
34568	NEW MA	MA	\$99,000
23456	Martin	MA	\$100,000
13754	Lynch	CS	\$100,000
12354	Lambert	CH	\$150,000
34567	Khondkar	EE	\$250,000
12345	Hou	EE	\$100,000

Salary:

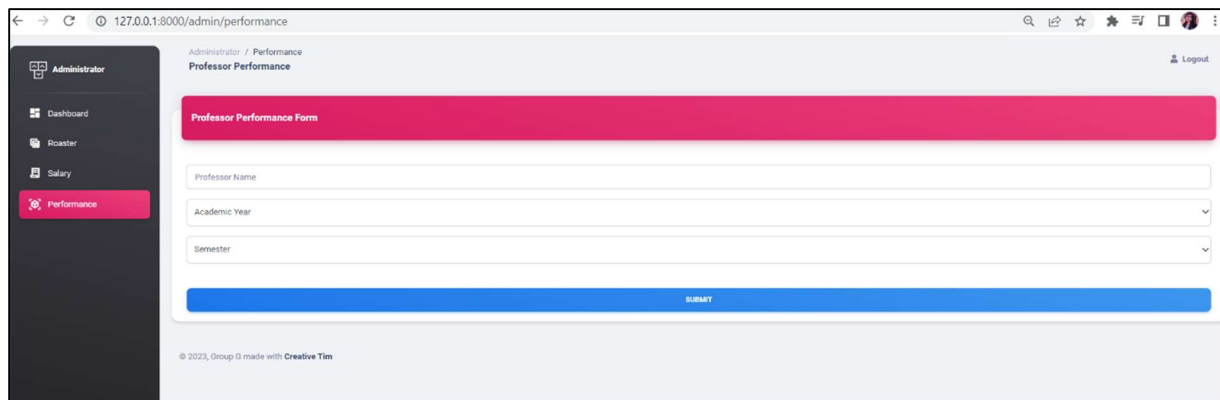
The salary menu provides a list of each department's minimum, maximum, and average salaries.



DEPARTMENT	MINIMUM SALARY	MAXIMUM SALARY	AVERAGE SALARY
CHE	↓ \$150,000	↑ \$150,000	\$150,000.00
CS	↓ \$95,000	↑ \$100,000	\$97,500.00
ECE	↓ \$100,000	↑ \$250,000	\$175,000.00
MA	↓ \$89,000	↑ \$250,000	\$134,500.00
PH	↓ \$98,000	↑ \$98,000	\$98,000.00

Performance:

The performance menu provides a form for evaluating a professor's performance, which includes several input fields. To evaluate a professor's performance, the administrator must enter the professor's name in the input field and select the academic year and semester from the dropdown menus. For example, the administrator may select the academic year "2019/2020" and the semester "fall" or "spring." After submitting the form, a list will be shown that includes the total number of course sections taught by the professor during the selected academic year and semester, the total number of students taught by the professor during that period, the amount of funding the professor has received for research or other activities, and the total number of papers published by the professor.



Administrator / Performance
Professor Performance

Professor Performance Form

Professor Name

Academic Year

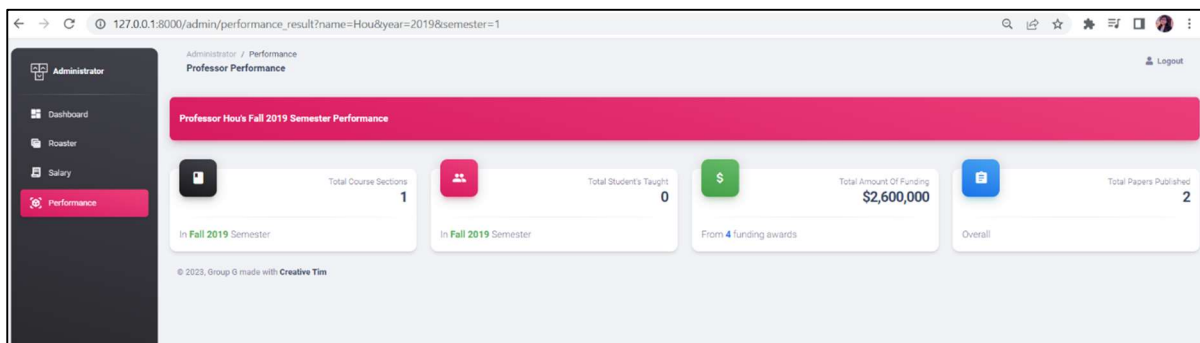
Semester



The screenshot shows the 'Professor Performance' form in the Administrator portal. The form includes a sidebar with navigation links: Administrator, Dashboard, Roster, Salary, and Performance (highlighted). The main content area is titled 'Professor Performance Form' and contains the following fields:

- Professor Name: Hou
- Year: 2019
- Semester: Fall Semester

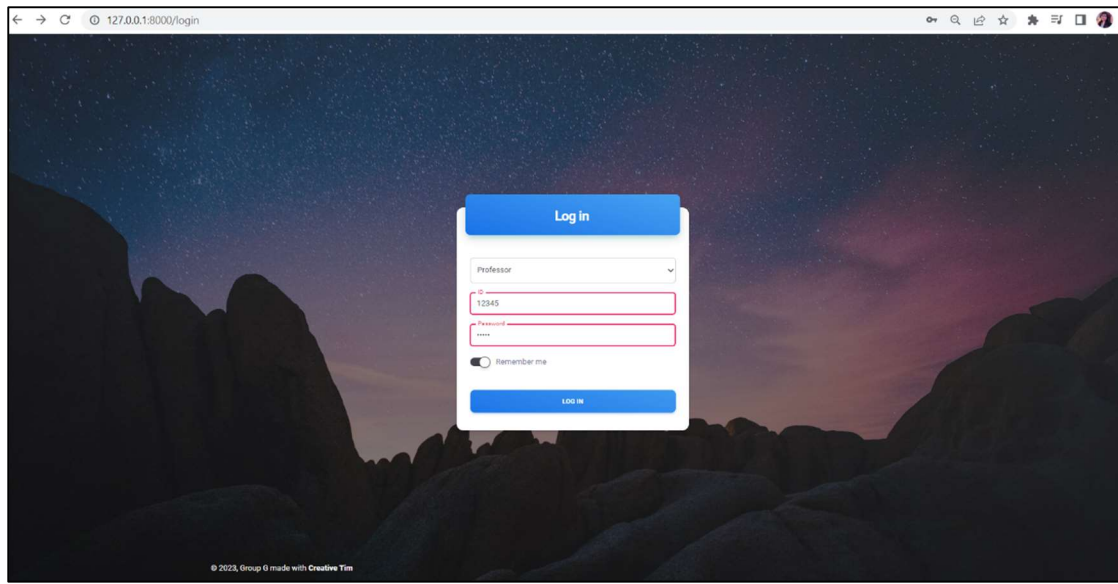
A blue 'SUBMIT' button is located at the bottom of the form. The footer indicates '© 2023, Group G made with Creative Tim'.



Professor Feature

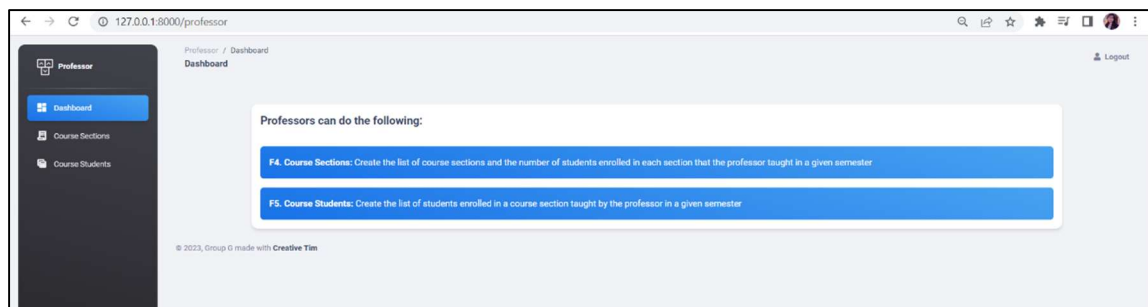
Log in as a Professor:

To access the professor login portal, select "Professor" from the dropdown menu on the login page, enter your professor ID (e.g. 12345) and password (e.g. 12345) and click "Login". If the entered information is correct, you will be successfully logged in as a professor.



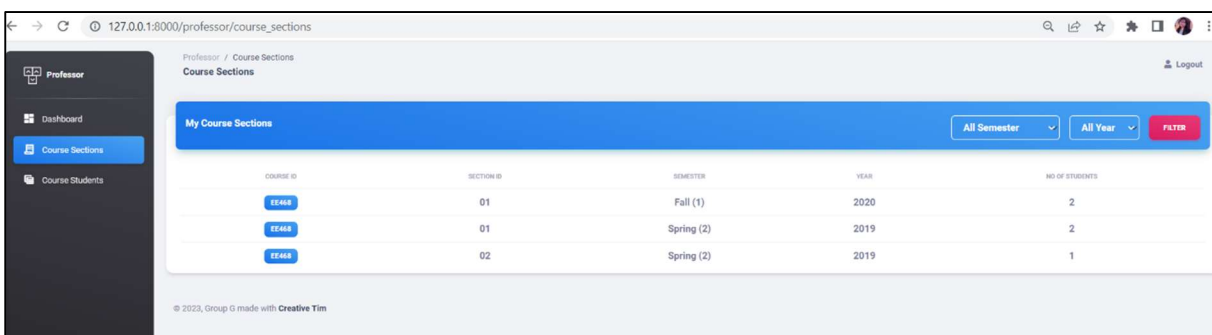
Dashboard:

After logging in as a professor, he will be directed to the dashboard where he can access tools and resources related to managing his courses and students. The dashboard provides an overview of the courses that he is teaching and course student details.

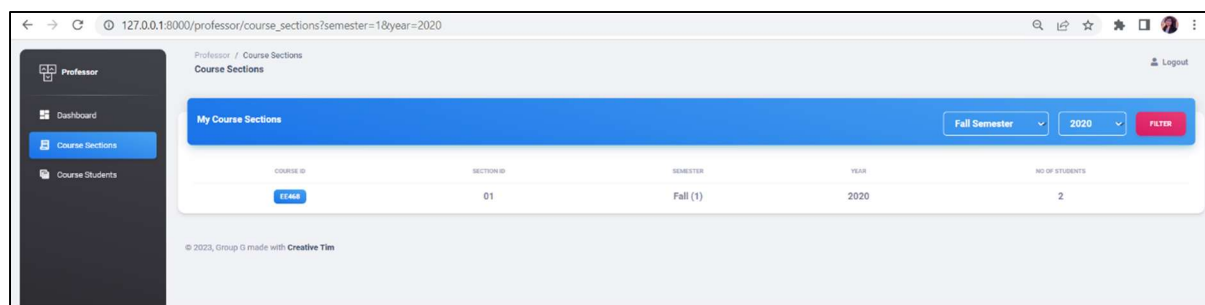
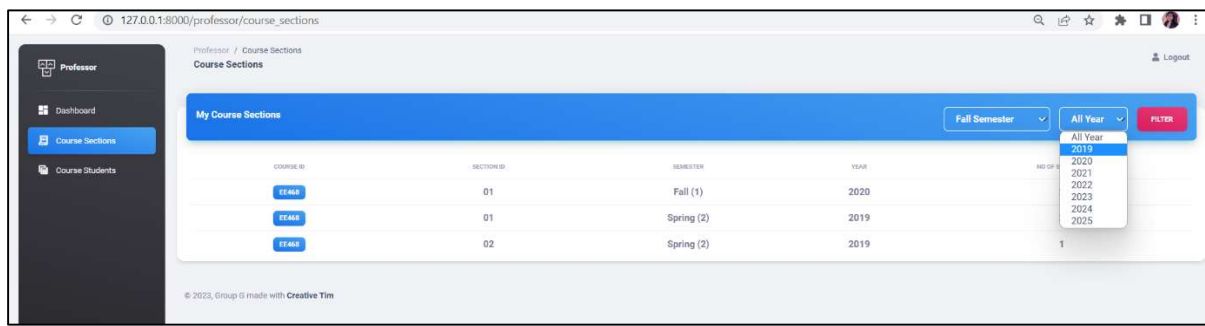


Course Sections:

A "course sections" list that displays the courses a professor has taught, along with their corresponding section ID, semester, year, and the number of students enrolled in each section.



The "course sections" list can be filtered by selecting specific values from the dropdown menus of the semester (either fall or spring) and year (ranging from 2019 to 2025). The following screenshots indicate the process:



Course Students:

The "course student" option contains a form that permits the user to select a course, semester, and year by choosing options from the corresponding dropdown menus. After submitting the form, a list of students who are enrolled in the selected course for the specified semester and year will be displayed. The following screenshots would serve as a visual representation of this process:

127.0.0.1:8000/professor/course_students

Professor / Course Students

Course Students Form

Course Student Search

Select Courses

Semester

Year

SUBMIT

127.0.0.1:8000/professor/course_students

Professor / Course Students

Course Students Form

Course Student Search

Select Courses

Select Courses

- Introduction to Chemical I (CHE262)
- Introduction to Chemical II (CHE264)
- Chemical Analysis (CHE458)
- Intro to Computer Science (CS141)
- Introduction to Computer Science II (CS142)
- Computer Organization (CS241)
- Algorithms and Data Structures (CS344)
- Software Design and Development (CS350)
- Computer Networks (CS455)
- Intro to Obj Oriented Prog (EE262)
- Computer Engineering Junior Lab (EE316)
- Software Components and Generic Programming (EE363)
- Software Design for VE (EE468)
- Databases (EE468)**
- Calculus I (MA131)
- Calculus II (MA132)
- Discrete Math (MA211)
- Calculus III (MA231)
- Applied Linear Algebra (MA339)



127.0.0.1:8000/professor/course_students

Professor / Course Students

Course Students Form

Course Student Search

Databases (EE468)

Semester

Semester

- Fall semester
- Spring semester

SUBMIT



127.0.0.1:8000/professor/course_students

Professor / Course Students

Course Students Form

Course Student Search

Databases (EE468)

Fall semester

Year

Year

- 2019
- 2020**
- 2021
- 2022
- 2023
- 2024
- 2025



Professor / Course Students
Course Students Form

Course Student Search

Databases (EE468)

Fall semester

2020

SUBMIT



Student / Course Students
Course Students Result

Student Enrolled In EE468, Spring 2020 Semester

STUDENT ID	NAME	DEPARTMENT	TOTAL CREDITS	PASSWORD	SECTION ID
05405	Alex	CS	93	12345	01
98765	Bourikas	ECE	98	12345	01

© 2023, Group G made with Creative Tim

Not Data Found:

If the submission query does not return any results, the preview page would display a message such as "No results found."

Student / Course Students
Course Students Result

Student Enrolled In EE468, Spring 2019 Semester

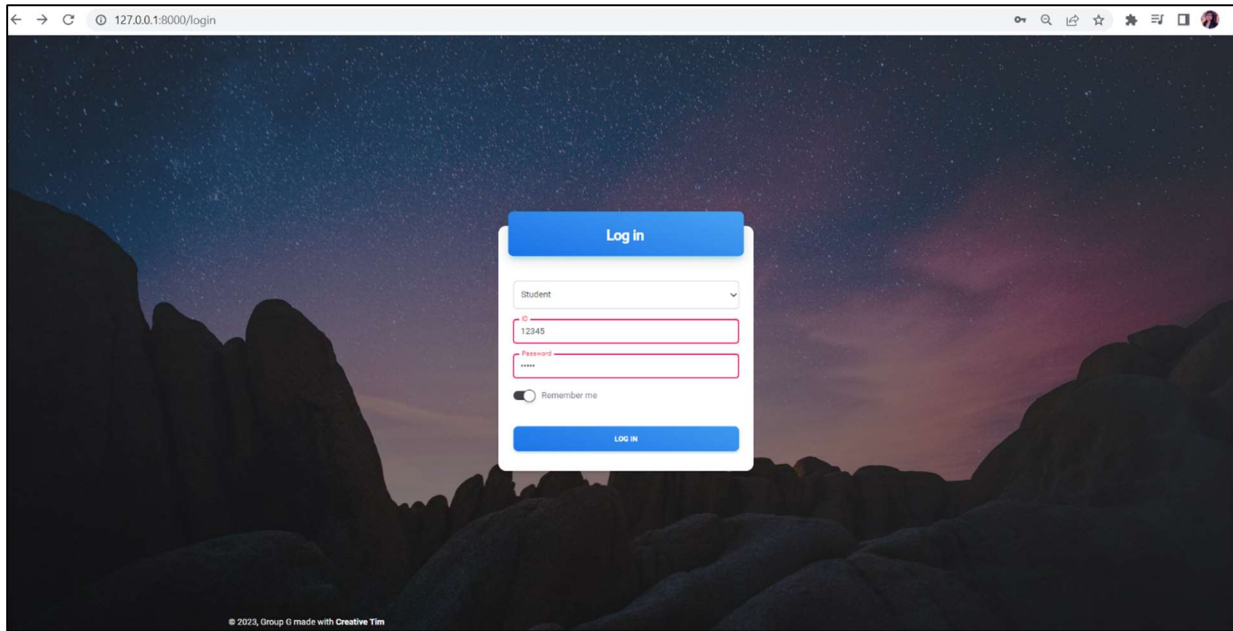
No Results Found !

© 2023, Group G made with Creative Tim

Student

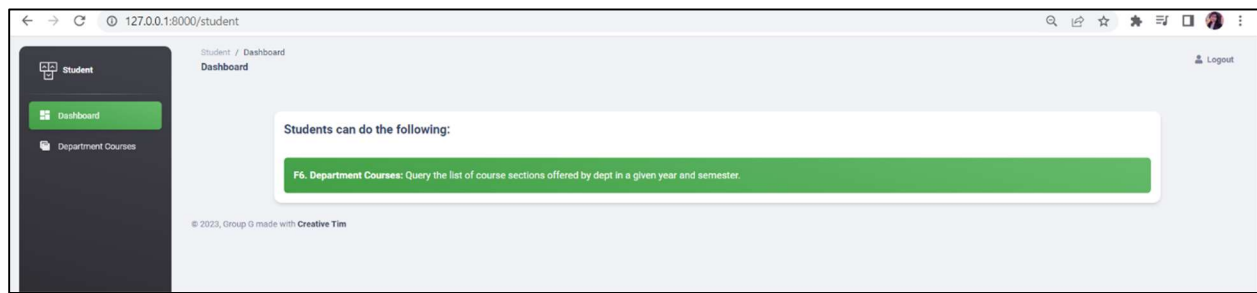
Log in as a Student:

To log in to the student portal, first, navigate to the login page and locate the dropdown menu. From the dropdown menu, select login as "Student". Next, enter the Student ID (for example, 12345) and your password (for example, 12345) in the designated text fields. Once login credentials are entered, click on the "Login" button. If the information is accurate and matches the records in the system, the Student successfully logged in to the student portal.



Dashboard:

After logging in as a student, he will be directed to the dashboard. The dashboard provides an overview of the department courses of the given semester and year.



Department Courses:

The "Department courses" form allows students to search for courses by department, semester (fall/spring), and year (2019-2025) by selecting options from the corresponding dropdown menus. After submitting the query, the system will retrieve data about courses that match the selected criteria and display them in a list format. The list will include information about the course, such as the course ID, Title, section ID, semester, year, department, building, room, capacity, etc. The following screenshot would provide a visual representation of this process, making it easier for users to navigate and interact with the system.



127.0.0.1:8000/student/department_courses

Student / Courses

Department Course Search

Select Department

Semester

Year

SEARCH

127.0.0.1:8000/student/department_courses

Student / Courses

Department Course Search

Select Department

ANTH
BIO
BUS
CE
CH
CHE
CS
ECE
ENV
FN
HIST
MA
MAE
ME
PH
POL
PSY
SE



127.0.0.1:8000/student/department_courses

Student / Courses

Department Course Search

ECE

Semester

Fall semester
Spring semester

SEARCH



127.0.0.1:8000/student/department_courses

Student / Courses

Department Course Search

ECE

Fall semester

Year

2019
2020
2021
2022
2023
2024
2025



127.0.0.1:8000/student/department_courses

Student / Courses

Department Course Search

ECE

Fall semester

2020

SEARCH



127.0.0.1:8000/student/department_courses_result?department=ECE&semester=1&year=2020

Student / Department Courses

Department Courses Result

COURSE ID	TITLE	SECTION ID	SEMESTER	YEAR	DEPARTMENT	BUILDING	ROOM	CAPACITY
EE468	Databases	01	Fall (1)	2020	ECE	CAMP	194	40

© 2023 ,made with ❤ by Creative Tim for a better web.

Creative Tim About Us Blog License