

Attendance - Time Tracking System

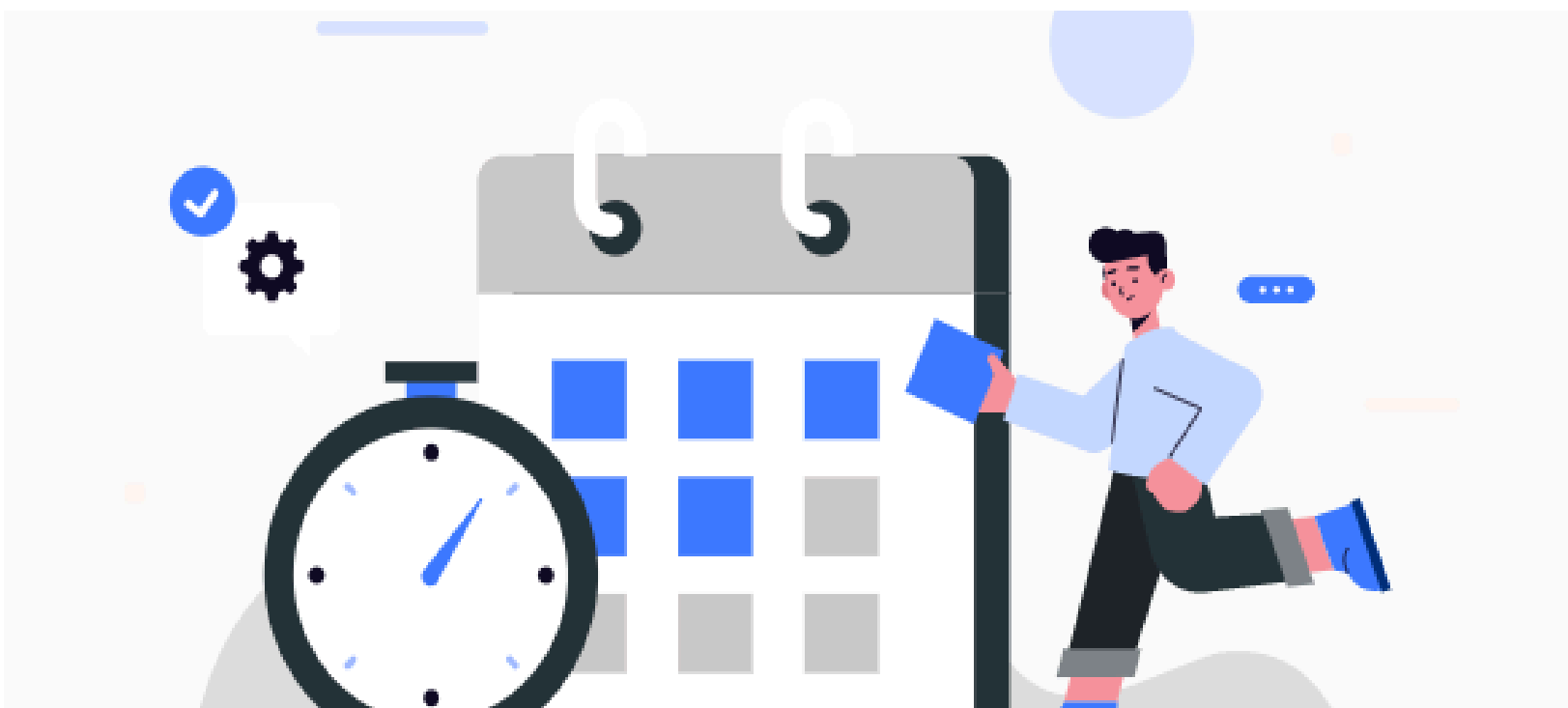


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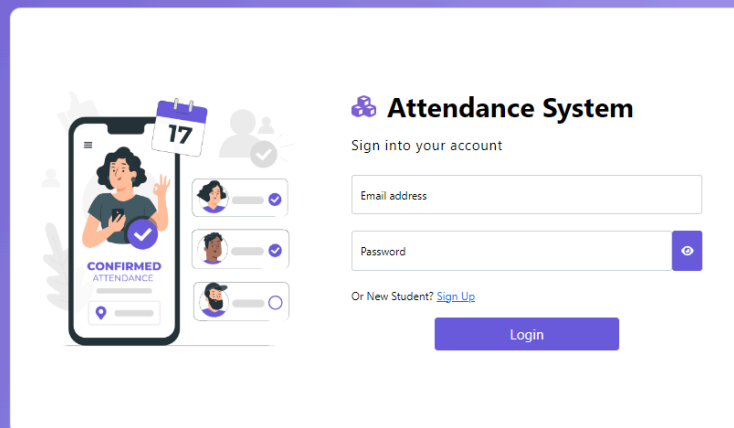
Attendance Documentation System Guide

Introduction

The Attendance/Time Tracking System is a web application developed using ASP.NET Core MVC, SQL Server, EF Core Code First, HTML, JavaScript, jQuery, and Bootstrap. It simplifies the process of monitoring check-in/out times for students, employees, and instructors, providing an efficient solution for managing attendance.

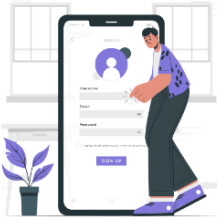
Login

Users start the application by opening the login page where they enter their email and password. Upon successful authentication, users are directed to their respective dashboards based on their roles.



Register Student

Enables students to register with personal and academic details, pending admin acceptance or rejection for account activation.



Attendance System

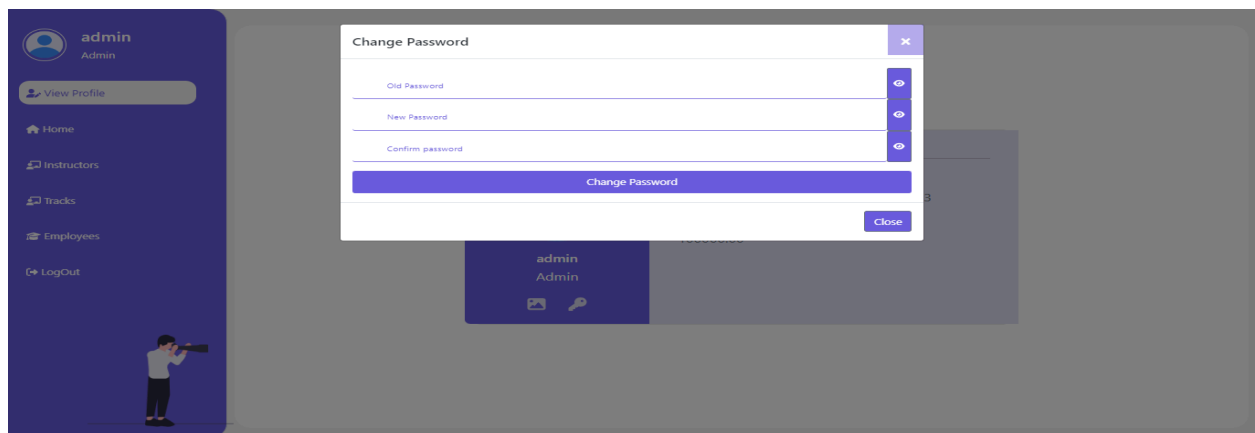
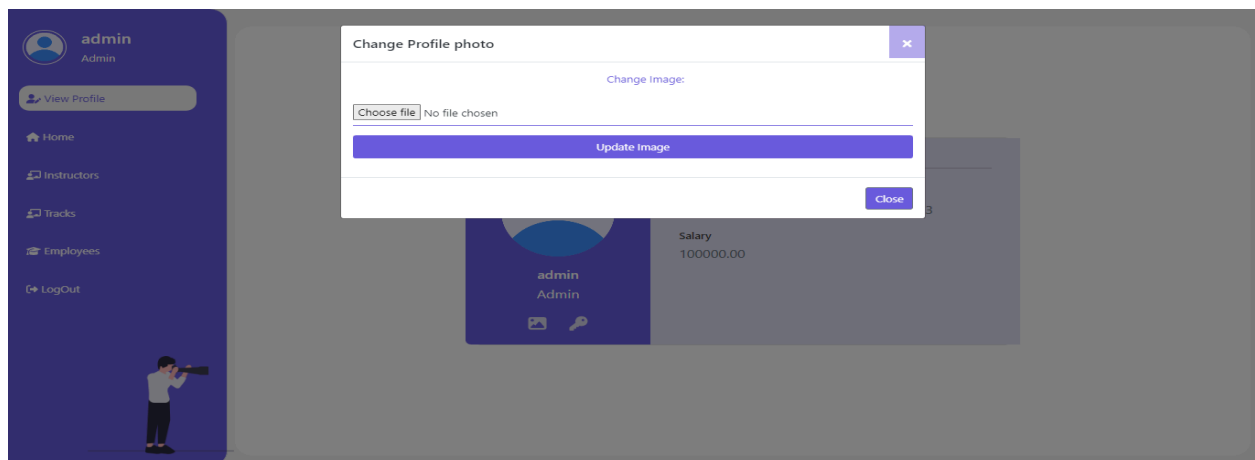
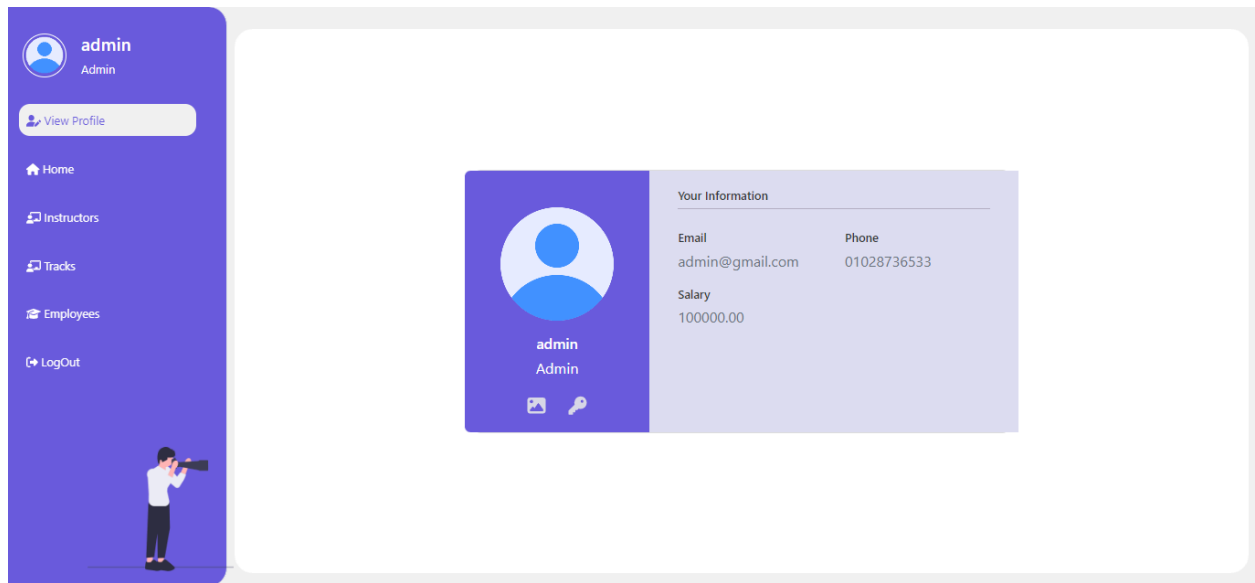
New Student

Name	Email
<input type="text"/>	<input type="text"/>
Password	Phone
<input type="text"/>	<input type="text"/>
University	Faculty
<input type="text"/>	<input type="text"/>
Specialization	TrackId Select Track
<input type="text"/>	<input type="text"/>
Graduation Year mm/dd/yyyy --:-- ..	Img Url <input type="button" value="Choose file"/> No file chosen
<input type="text"/>	<input type="text"/>

Create

User Profile

Display user information such as name, email, and profile image. Include buttons to change password, and update profile image.



Admin

1.Accept Pending Students

Id	Student Name	Email	University	Faculty	Specialization	GraduationYear	Track	Action
28	Mona Ahmed	Mona@gmail.com	sdfgfgds	dfgs	jhgf	4/4/2024 11:21:00 AM	PD	<button>Approve</button> <button>Reject</button>
29	Sleem	Sleem@gmail.com	sdfgfgds	dfgs	jhgf	4/5/2024 11:26:00 AM	OS	<button>Approve</button> <button>Reject</button>

2.Home Page Overview

Statistics Section

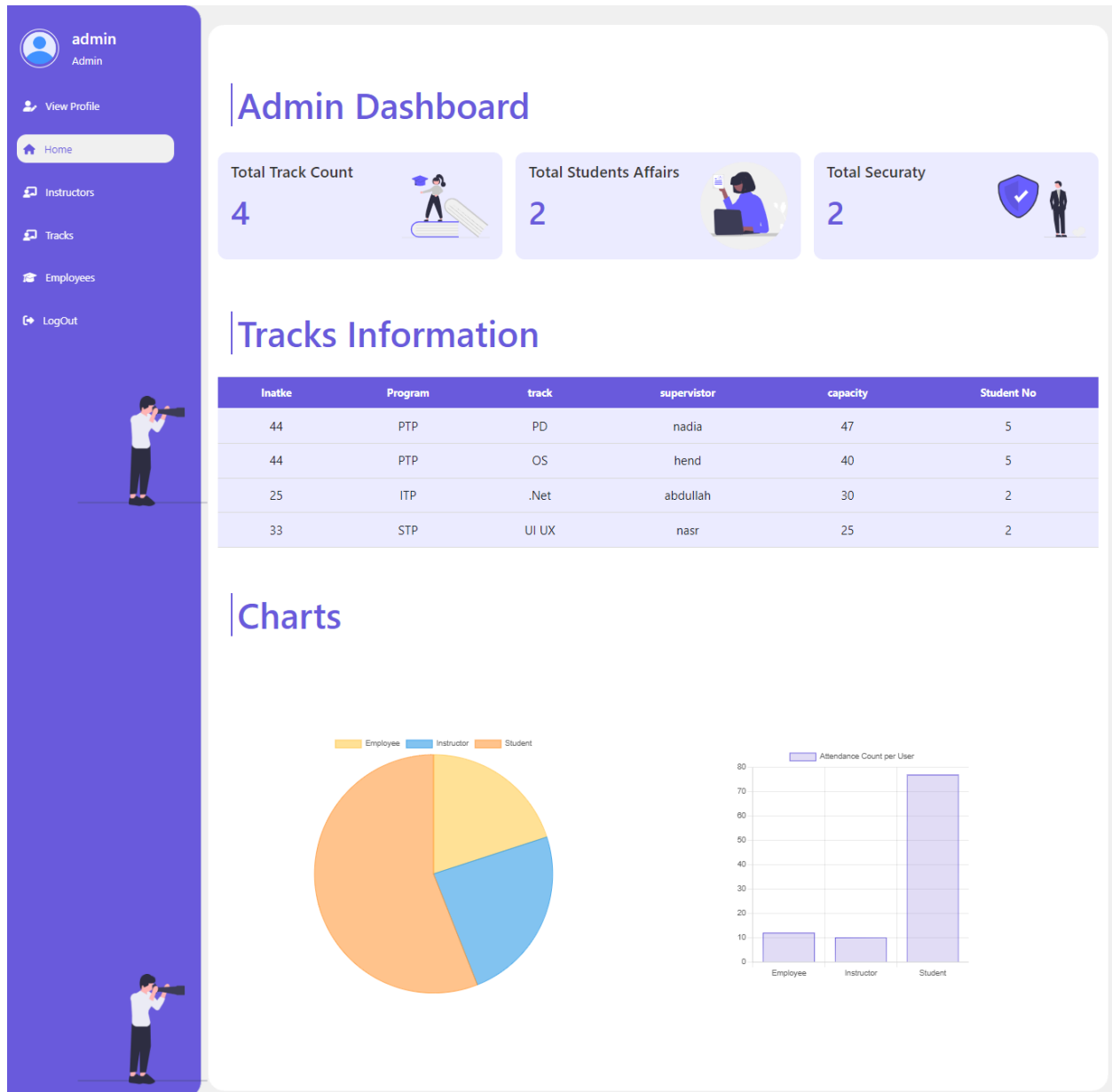
- Total Tracks: Displays the number of tracks available in the system.
- Employee Count: Shows the total number of employees registered.

Track Data Section

- Track Information: Provides details about each track .

Attendance Chart

- Attendance Count Chart: Visualizes attendance data, showing the count of attendance records for users over time.



2.Instructor Management

Display a list of all instructors with options to edit, delete, and search.


ID	Image	Email	Action
2		nadia@gmail.com	
3		nasr@gmail.com	
4		hend@gmail.com	
5		abdullah@gmail.com	

Show Instructor Details

Instructor Details

ID: 2
Name: nadia
Email: nadia@gmail.com
Salary: 60000.00
Supervisor For Track: PD

Add-Edit Instructor

**admin**
Admin

[View Profile](#)


[Home](#)

[Instructors](#)


[Tracks](#)

[Employees](#)

[LogOut](#)



• | Add Instructor



Name

Email

Password

Phone


InstructorSalary

Choose file

No file chosen

Submit

Cancel

**admin**
Admin

[View Profile](#)


[Home](#)

[Instructors](#)


[Tracks](#)

[Employees](#)

[LogOut](#)



• | Edit Instructor



Name

nadia

Email

nadia@gmail.com

Password


....

Phone

01012345678

InstructorSalary

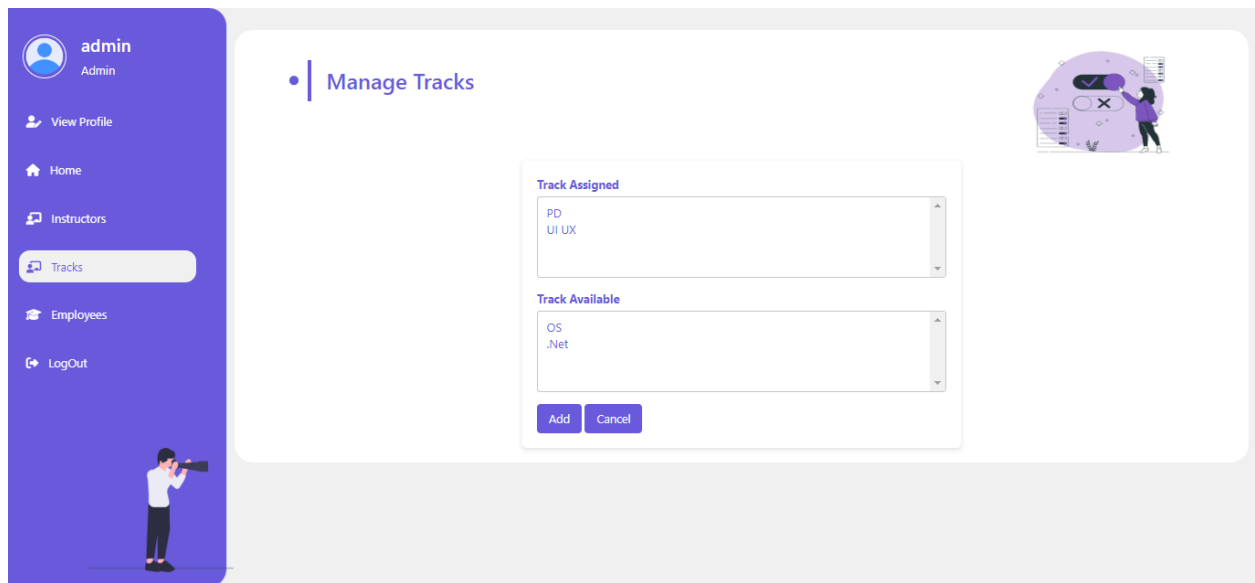
60000.00



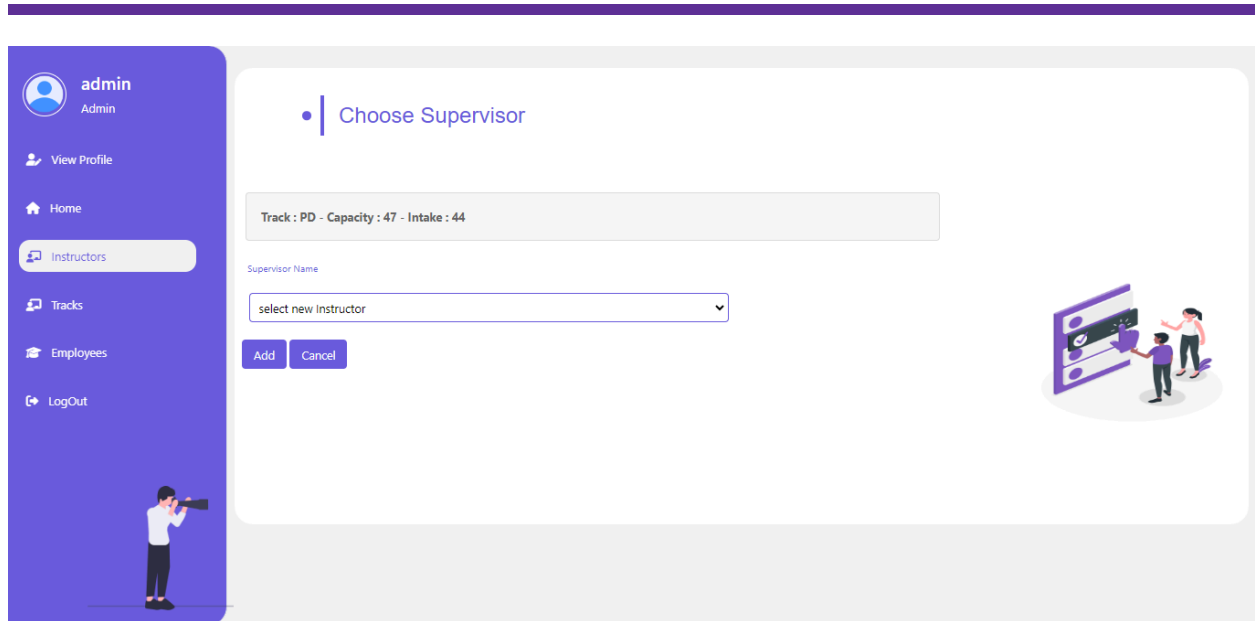
Submit

Cancel

Managing instructors' tracks involves associating instructors with specific tracks within the system and providing options to add or delete these associations.

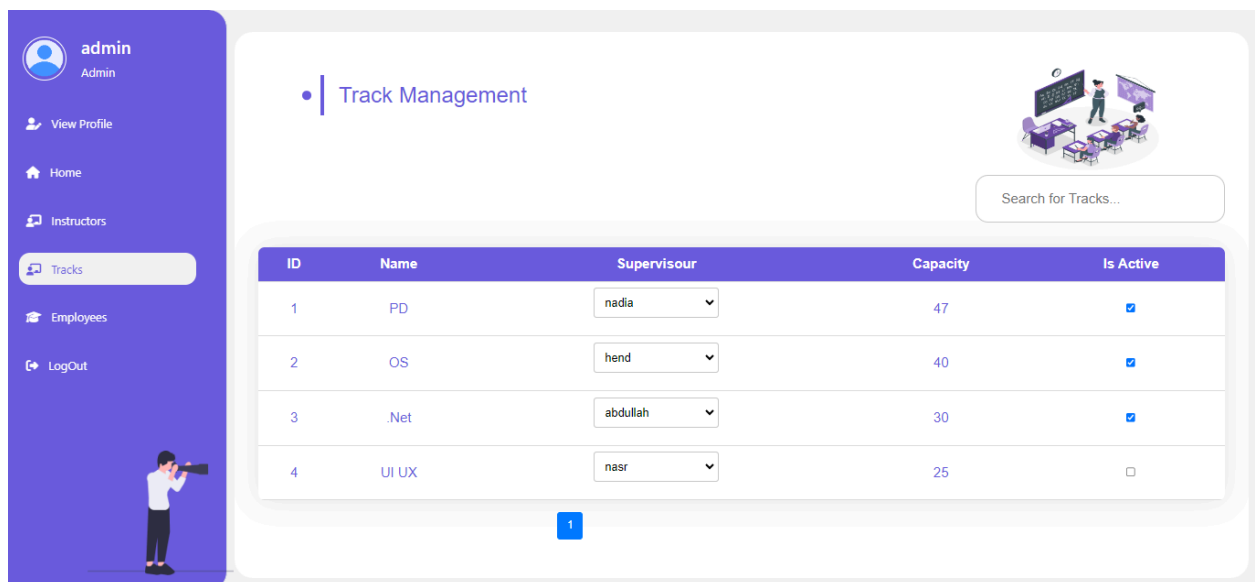


When Deleting: If an instructor who is a supervisor is deleted, reassign their supervised instructors to another supervisor



3.Track Management

Managing tracks involves functionalities such as changing track supervisors, toggling track status (active/inactive), displaying a list of tracks, and providing search capabilities.



4.Employee Management

Display a list of all Employees with options to edit, delete, and search.

The screenshot shows an admin dashboard with a sidebar on the left containing navigation links: View Profile, Home, Instructors, Tracks, Employees (highlighted), and LogOut. The main content area is titled 'Employees' and features a search bar. Below the search bar is a table with the following data:

Name	Email	Employee Salary	Employee Type	Actions		
ashraf	ashraf@gmail.com	6000.00	Security	Edit	Details	Delete
hassan	hassan@gmail.com	6000.00	Security	Edit	Details	Delete
admin	admin@gmail.com	100000.00	Admin	Edit	Details	Delete
heba	heba@gmail.com	8000.00	StudentAffairs	Edit	Details	Delete

Below the table, there are pagination controls showing '1' and 'Next', and a 'Create New Employee' button.

Add-Edit Employee

The screenshot shows the 'Create Employee' form in the admin dashboard. The sidebar is identical to the previous screenshot. The form fields are:

- Name:
- Email:
- Phone:
- Password:
- Photo: Choose file No file chosen
- EmployeeSalary:
- EmployeeType:

At the bottom of the form, there are two buttons: 'Create' and 'Back to Employee List'.

admin
Admin

- View Profile
- Home
- Instructors
- Tracks
- Employees**
- LogOut

Edit Employee

Name
ashraf

Email
ashraf@gmail.com

Phone
01036455637

Password
34324

Photo
Choose file No file chosen

EmployeeSalary
6000.00

EmployeeType
Security

Save

Back to Employee List

Employee Details

admin
Admin

- View Profile
- Home
- Instructors
- Tracks
- Employees**
- LogOut

Employee Details

Employee Image

Name: heba
Email: heba@gmail.com
Phone: 01237465444
Password: 23432
Employee Salary: 8000.00
Employee Type: StudentAffairs
User Type: Employee
Is Approved: Accepted

Name	Email	Salary	User Type	Actions
ashraf				Edit Details Delete
hassan				Edit Details Delete
admin	admin@gmail.com	10000.00	Admin	Edit Details Delete
heba	heba@gmail.com	8000.00	StudentAffairs	Edit Details Delete

Create New Employee

Employee and Instructor

Home Page Overview

Creating a home page with graphical representations of attendance data, along with counts for late,absent, on-time attendance, and a calendar showing days of lateness or absence.




heba
StudentAffairs

 View Profile

 Home

 Students

 Trace Addendance

 Student Degree

 LogOut



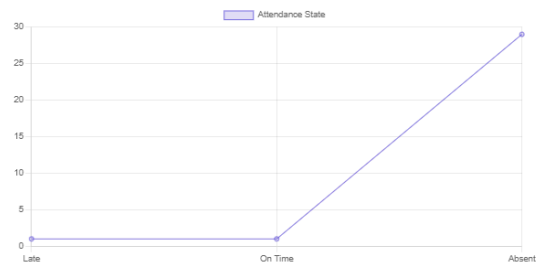
Track Your Attendance

Late Count: 1

On Time Count: 1

Absent Count: 29

One Month



Attendance Calendar

April 2024

today



Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8 Late - 2024-04-08	9	10	11	12	13
14	15	16 Absent - 2024-04-16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11

Student Affairs

1.Student Management

Display a list of all Students with options to edit, delete, and search.

The screenshot displays the 'Student Management' interface. On the left is a purple sidebar with the user 'heba StudentAffairs' and navigation links: View Profile, Home, Students (active), Trace Attendance, Student Degree, and LogOut. The main content area has a title 'Student Management' and a search bar 'Search Students by email'. Below the search bar are two buttons: '+ Add Student' and 'Upload Students from Excel'. A table lists five students with columns for ID, Name, Email, Phone, Status, Track, and Actions. Each row has links for 'Details', 'Update', and 'Delete'. At the bottom right of the table are pagination controls: 'Previous', '1' (selected), '2', '3', and 'Next'.

ID	Name	Email	Phone	Status	Track	Actions
6	aly	aly@gmail.com	01537456633	Accepted	PD	Details Update Delete
7	asmaa	asmaa@gmail.com	01537465543	Accepted	PD	Details Update Delete
8	mariam	mariam@gmail.com	01038764533	Accepted	Net	Details Update Delete
9	rana	rana@gmail.com	01038746533	Accepted	UI UX	Details Update Delete
11	ahmed	ahmed@gmail.com	01123454533	Accepted	OS	Details Update Delete

Register bulk of student from excel file

This screenshot shows the same 'Student Management' interface as before, but with the 'Upload Students From Excel' modal window open. The modal has a title bar with a close button, a text prompt 'please select an excel file to upload!', a 'Choose file' button, and a status 'No file chosen'. At the bottom of the modal are 'Close' and 'Confirm' buttons. The background interface, including the sidebar and student table, is visible but dimmed.

Add-Edit Student

The screenshot shows the 'Add Student' modal form. The background is a blurred view of the application's main interface, which includes a sidebar with the user 'heba StudentAffairs' and a list of students. The modal form has a blue header and contains the following fields:

- Image:** A button labeled 'Choose file' and the text 'No file chosen'.
- Name:** A text input field.
- Email:** A text input field.
- Phone:** A text input field.
- Password:** A text input field.
- University:** A text input field.
- Faculty:** A text input field.
- GraduationYear:** A date input field with the value '01/01/0001 12:00 AM'.
- Specialization:** A text input field.
- Track:** A dropdown menu with the option 'Select Track'.

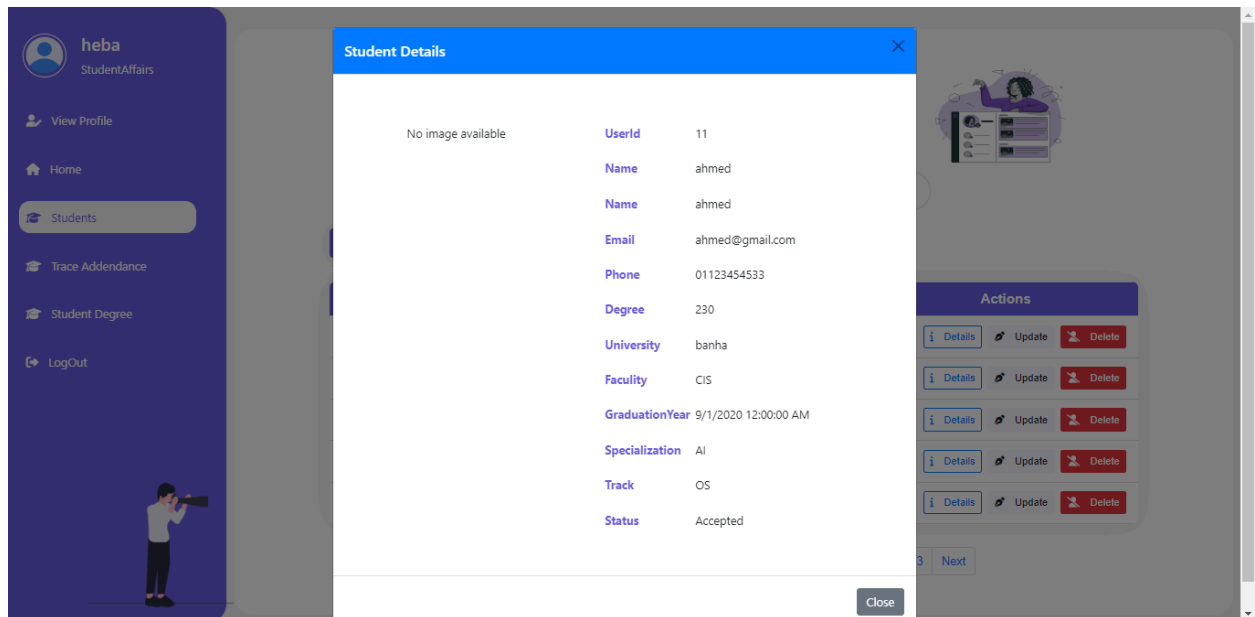
At the bottom of the modal is a blue button labeled 'Add Student'.

The screenshot shows the 'Update Student' modal form. The background is a blurred view of the application's main interface. The modal form has a blue header and contains the following fields:

- Image:** A profile picture of a student.
- Name:** A text input field with the value 'asmaa'.
- Email:** A text input field with the value 'asmaa@gmail.com'.
- Phone:** A text input field with the value '01537465543'.
- Password:** A text input field.
- University:** A text input field with the value 'cairo'.
- Faculty:** A text input field with the value 'CIS'.
- GraduationYear:** A date input field with the value '09/02/2021 12:00 AM'.
- Specialization:** A text input field with the value 'CS'.
- Track:** A dropdown menu with the option 'PD'.


At the bottom of the modal is a blue button labeled 'Update Student'.

Show Details



2.Trace Attendance

Show daily students , absent students , student attendance on time based on specific Track .



heba
StudentAffairs

View Profile

Home

Students

Trace Addendance

Student Degree

LogOut


Select Date:
04/16/2024

Select Track:
PD

Show Attendance

Late (1)

Absent (1)



heba
StudentAffairs

View Profile

Home

Students

Trace Addendance

Student Degree

LogOut

Select Date:
04/16/2024

Select Track:
PD

Show Attendance

Late (1)

Student Name	Track Name	Check In	Check Out	Status	Permission
asmaa	PD	4:04 PM	12:00 AM	Late	

Absent (1)

Student Name	Track Name	Check In	Check Out	Status	Permission
aya	PD	"-"	"-"	Absent	

3.Student Degree

Track Students attendance degree during period of time.

heba
StudentAffairs

- View Profile
- Home
- Students
- Trace Addendance
- Student Degree
- LogOut

Student Degrees

Tracks: All Tracks Date: mm/dd/yyyy

ID	Student Name	Date	Student Degree
11	aly	04/08/2024	
12	asmaa	04/08/2024	
13	aya	04/08/2024	230
23	ahmed	04/08/2024	230
24	sama	04/08/2024	

Previous
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
Next

Instructor

1.Track Schedule

Displaying the schedule for all tracks associated with him

nadia
Supervisor

- View Profile
- Home
- Tracks Schedules
- All Schedule
- Add New Schedule
- Student Permission
- LogOut

PD Schedule

Select Track:


PD

Date	Day	Start Time	End Time	
4/13/2024	Saturday	H o l i d a y		
4/14/2024	Sunday	H o l i d a y		
4/15/2024	Monday	9:00 AM	3:00 AM	Offline
4/16/2024	Tuesday	3:47 PM	10:47 PM	Offline
4/17/2024	Wednesday	H o l i d a y		

View whole schedule

If he's a supervisor, he should be able to perform this functionality.

2.Add and Edit Schedule

 **nadia**
Supervisor

[View Profile](#)

[Home](#)

[Tracks Schedules](#)

[All Schedule](#)

[Add New Schedule](#)


[Student Permission](#)

[LogOut](#)

Create Schedules

Date	Day	Start Period	End Period	Day Type
04/27/2024 12:00 AM	Saturday	12:00 AM	12:00 AM	Offline
04/28/2024 12:00 AM	Sunday	12:00 AM	12:00 AM	Offline
04/29/2024 12:00 AM	Monday	12:00 AM	12:00 AM	Offline
04/30/2024 12:00 AM	Tuesday	12:00 AM	12:00 AM	Offline
05/01/2024 12:00 AM	Wednesday	12:00 AM	12:00 AM	Offline
05/02/2024 12:00 AM	Thursday	12:00 AM	12:00 AM	Offline
05/03/2024 12:00 AM	Friday	12:00 AM	12:00 AM	Offline

Save

 **nadia**
Supervisor

[View Profile](#)

[Home](#)

[Tracks Schedules](#)

[All Schedule](#)

[Add New Schedule](#)

[Student Permission](#)

[LogOut](#)

Edit Schedules

Date	Day	Start Period	End Period	Day Type
04/17/2024 12:00 AM	Wednesday	09:00 AM	09:00 PM	Holiday
04/20/2024 12:00 AM	Saturday	09:00 AM	03:00 PM	Offline
04/21/2024 12:00 AM	Sunday	09:00 AM	03:00 PM	Offline
04/22/2024 12:00 AM	Monday	09:00 AM	03:00 PM	Offline
04/23/2024 12:00 AM	Tuesday	09:00 AM	03:00 PM	Offline
04/24/2024 12:00 AM	Wednesday	09:00 AM	03:00 PM	Offline
04/25/2024 12:00 AM	Thursday	09:00 AM	03:00 PM	Offline
04/26/2024 12:00 AM	Friday	09:00 AM	03:00 PM	Offline

Save

3.All Schedule

To display all schedules that an instructor has set within a system

Whole Schedule

Date	Day	Start Time	End Time	
4/13/2024	Saturday	H o l i d a y		
4/14/2024	Sunday	H o l i d a y		
4/15/2024	Monday	9:00 AM	3:00 AM	Offline
4/16/2024	Tuesday	3:47 PM	10:47 PM	Offline
4/17/2024	Wednesday	H o l i d a y		
4/20/2024	Saturday	9:00 AM	3:00 PM	Offline
4/21/2024	Sunday	9:00 AM	3:00 PM	Offline
4/22/2024	Monday	9:00 AM	3:00 PM	Offline
4/23/2024	Tuesday	9:00 AM	3:00 PM	Offline
4/24/2024	Wednesday	9:00 AM	3:00 PM	Offline
4/25/2024	Thursday	9:00 AM	3:00 PM	Offline
4/26/2024	Friday	9:00 AM	3:00 PM	Offline

Edit Schedule Add new schedule

5.Student Permission

accept or reject student permissions.

nadia

Supervisor

View Profile

Home

Tracks Schedules

All Schedule

Add New Schedule

Student Permission

LogOut

Permissions

Type:

All

Status:

All

ID	Date	State	PermissonType	User Email	Action
1021	4/29/2024 6:24:00 AM	Rejected	Late	aly@gmail.com	<div>Accept</div> <div>Refuse</div> <div>See Detail</div>
1023	4/25/2024 11:19:00 AM	Pending	Absent	aly@gmail.com	<div>Accept</div> <div>Refuse</div> <div>See Detail</div>
1022	4/22/2024 11:19:00 AM	Pending	Absent	aly@gmail.com	<div>Accept</div> <div>Refuse</div> <div>See Detail</div>
1024	4/20/2024 8:59:00 PM	Pending	Absent	aly@gmail.com	<div>Accept</div> <div>Refuse</div> <div>See Detail</div>
1017	4/18/2024 2:44:00 AM	Rejected	Absent	aly@gmail.com	<div>Accept</div> <div>Refuse</div> <div>See Detail</div>

Previous

1

2

Next

Student

1.Add Permission

asmaa

Student

View Profile

Home

Permission

LogOut

Make A Permission

Permission Reason:

Enter Your Permission Reason

Date:

mm/dd/yyyy --:--

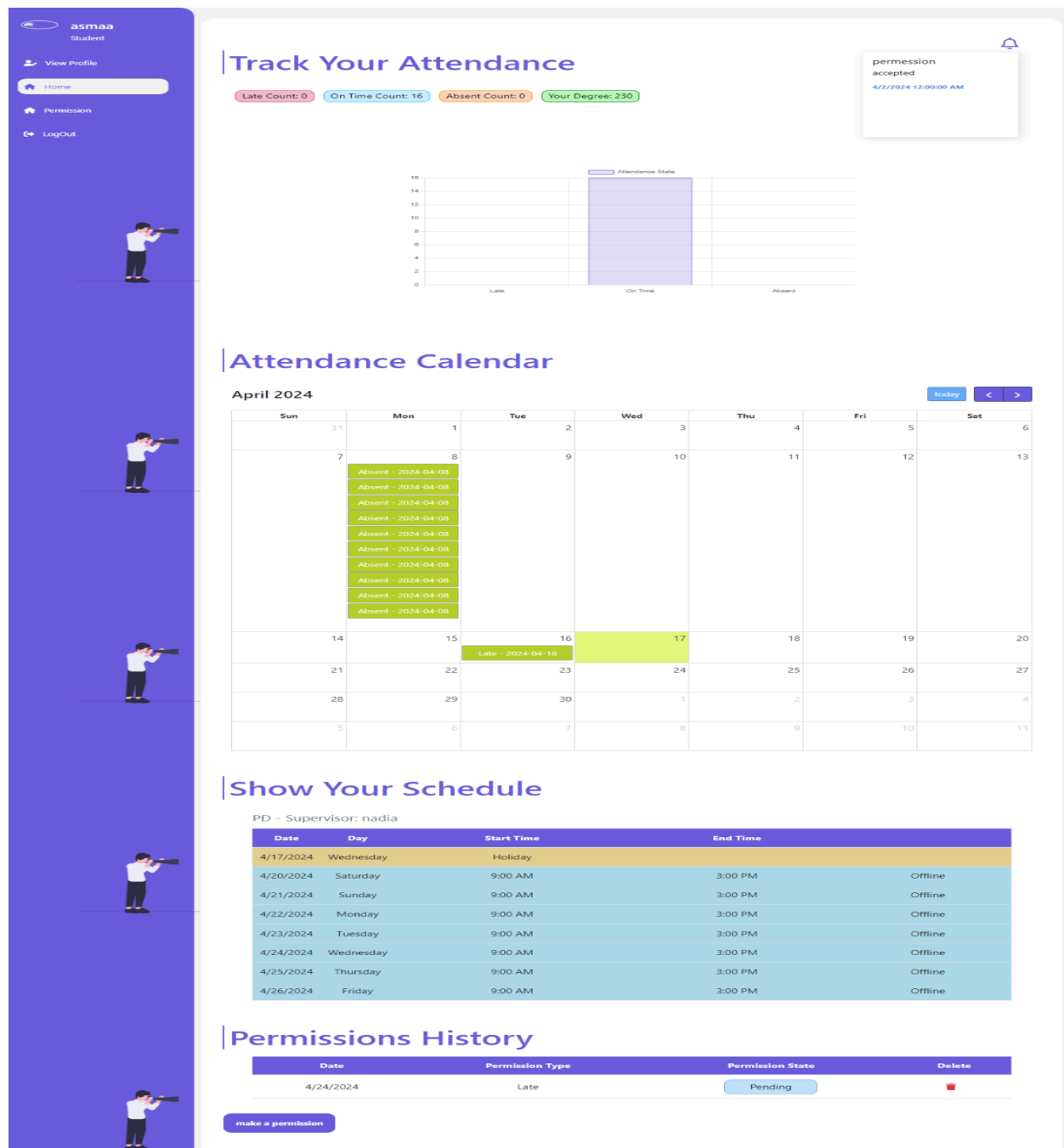
Permission Type:

Late

Send

2.Home Page Overview

Creating a home page with graphical representations of attendance data, along with counts for late,absent, on-time attendance, a calendar showing days of lateness or absence, his Permission and his schedule for this week



Security

1.Attendance

Managing attendance for employees, instructors, and students of different tracks, including search and deletion capabilities.

ashraf
Security

View Profile

Home

Attendance

Logout

Attendance

End Of The Day

Select User Type

ashraf
Security

View Profile

Home

Attendance

Logout

Attendance

End Of The Day

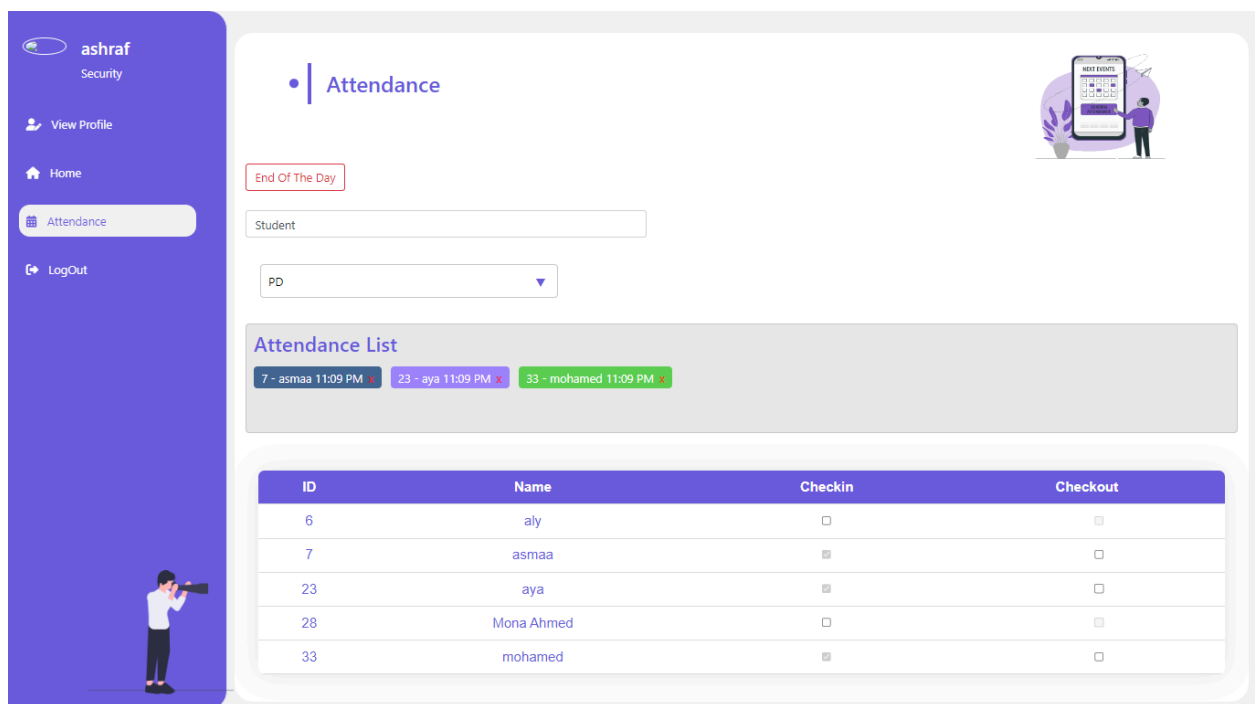
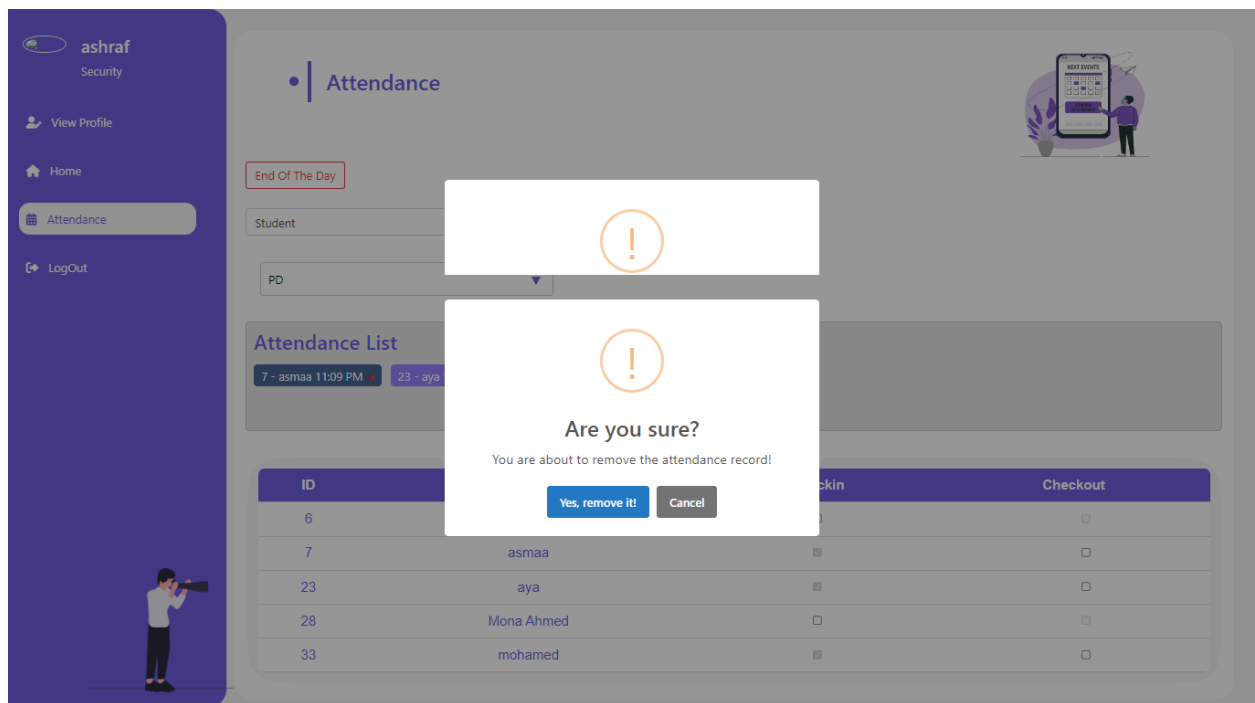
Employee

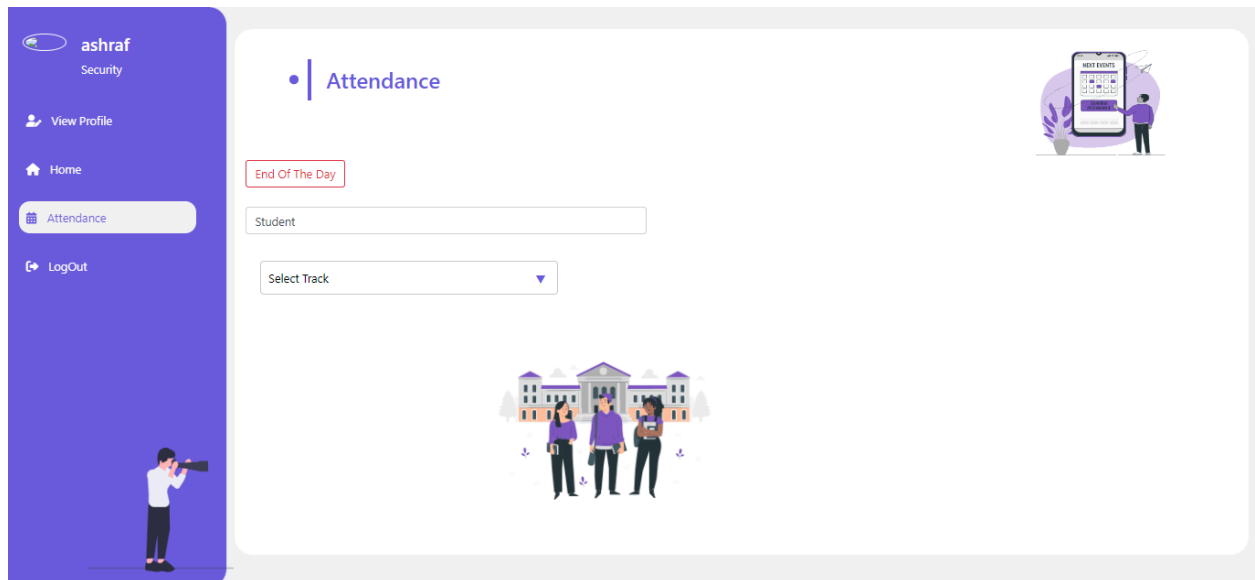
Search...

Attendance List

15 - admin 11:08 PM x 13 - ashraf 11:08 PM x 17 - heba 11:08 PM x

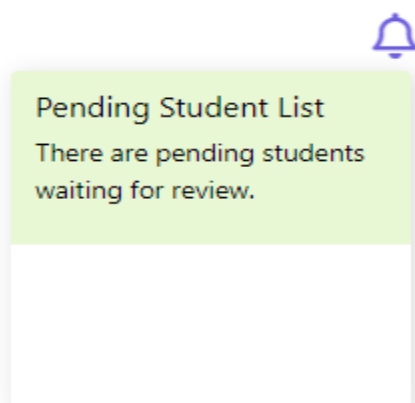
ID	Name	Checkin	Checkout
13	ashraf	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	hassan	<input type="checkbox"/>	<input type="checkbox"/>
15	admin	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17	heba	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18	sobhy	<input type="checkbox"/>	<input type="checkbox"/>





Message

Every user has the ability to read their messages within the system.



Conclusion

In conclusion, The system streamlines the process of monitoring check-in/out times for students, employees, and instructors, enhancing efficiency and accuracy in attendance management.

Key features of the system include:

1. User Registration and Management:
 - Registration of students, instructors, and employees with specific roles and permissions.
 - Admin-controlled registration process ensuring data accuracy and system security.
2. Data Management and Tracking:
 - Comprehensive user profile management allowing users to view and update their data.
 - CRUD operations for managing student information, tracks, and departmental details.
3. Attendance Monitoring and Reporting:
 - Daily recording of attendance with timestamps for accurate tracking.
 - Supervisors can manage schedules and track attendance metrics such as late arrivals, absences, and on-time attendance.
 - Dynamic reporting features enable the visualization of attendance trends and track-specific attendance degrees over time.
4. Permission Management:
 - Students can request permissions for late arrivals or absences, with supervisors having the authority to accept or reject requests.
 - Self-service options for students to add or delete permissions based on their needs.
5. Schedule Management:
 - Supervisors can record and manage student schedules, ensuring organized and structured class/event management.
 - Integration of schedule data with attendance records for comprehensive reporting and analysis.

Overall, the system provides a user-friendly interface, role-based access controls, and data-driven functionalities to meet the attendance tracking and management needs of educational institutions or businesses effectively. It enhances data accuracy, streamlines administrative tasks, and facilitates informed decision-making through attendance analytics and reporting capabilities.