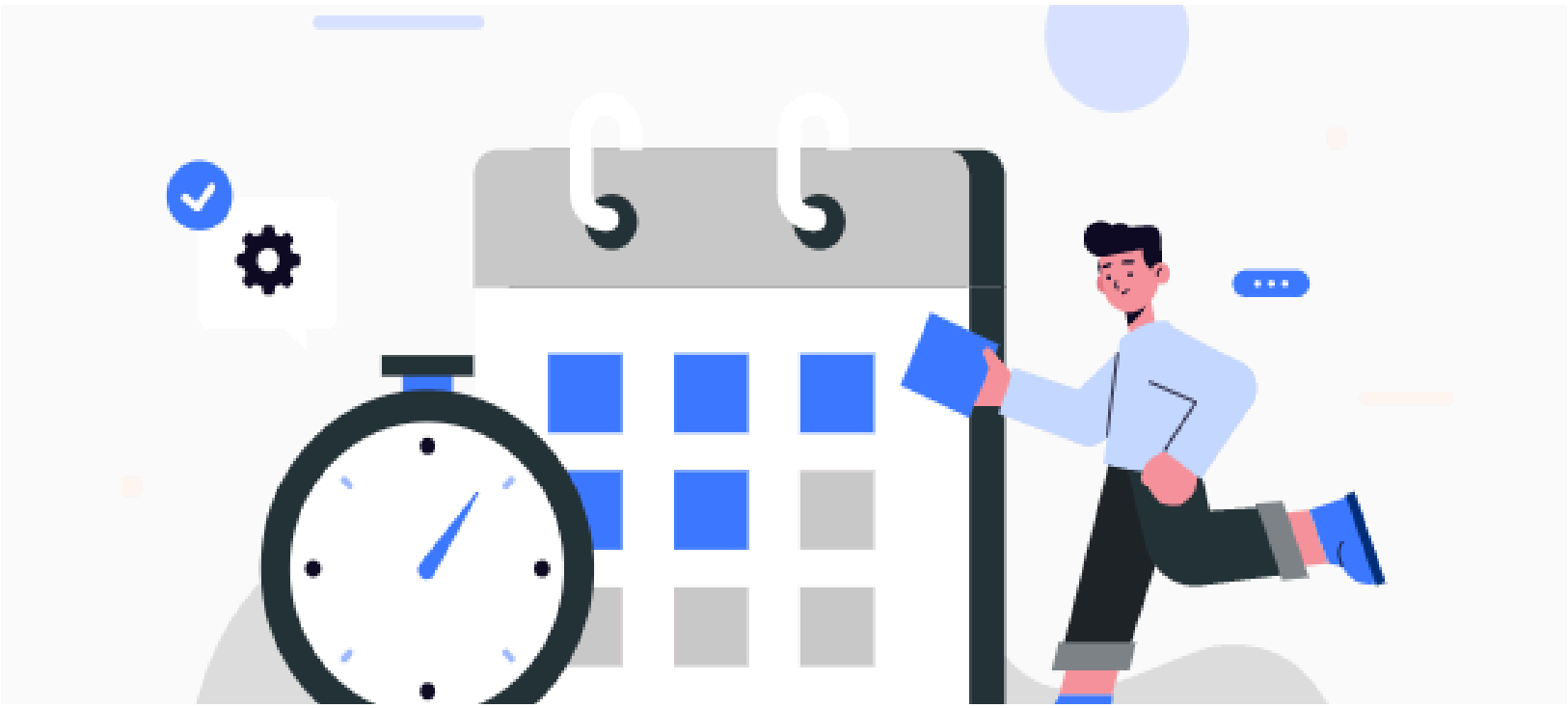
Attendance - Time Tracking System



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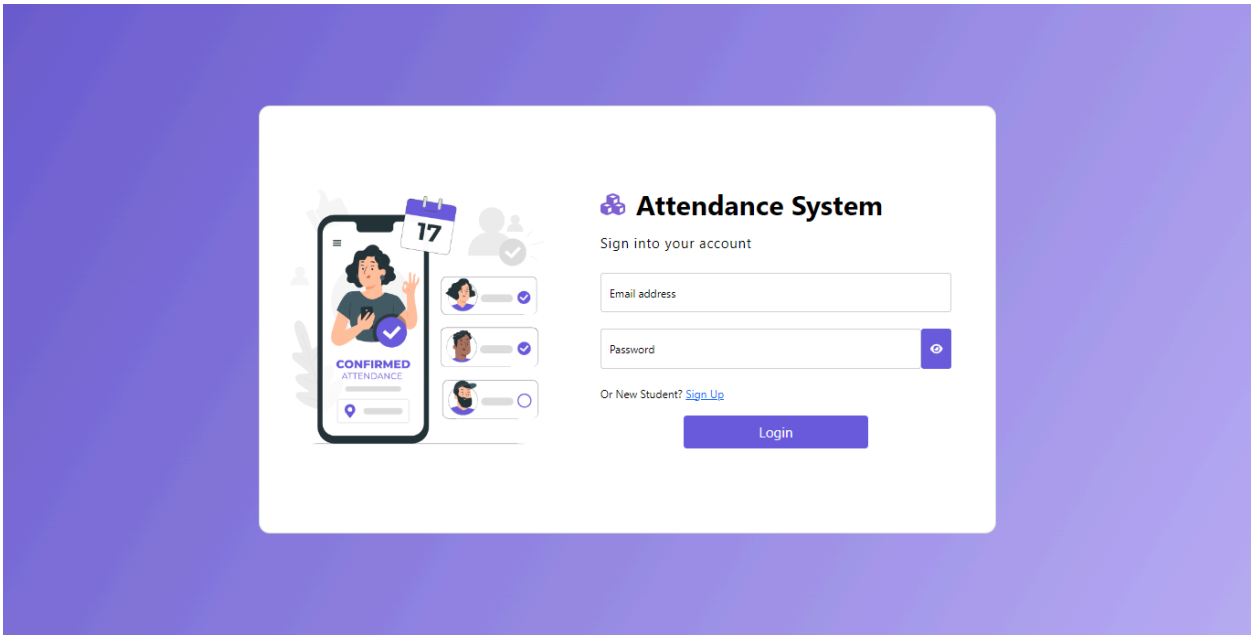
Attendance Documentation System Guide

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.

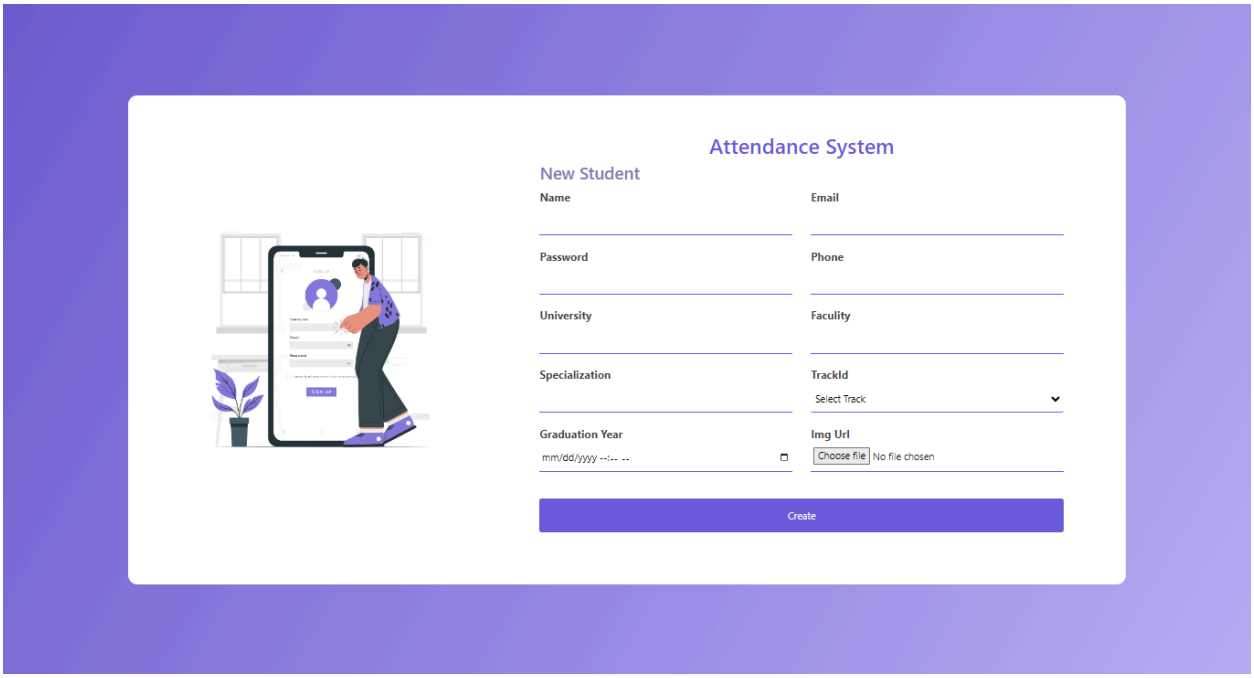
Login

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.



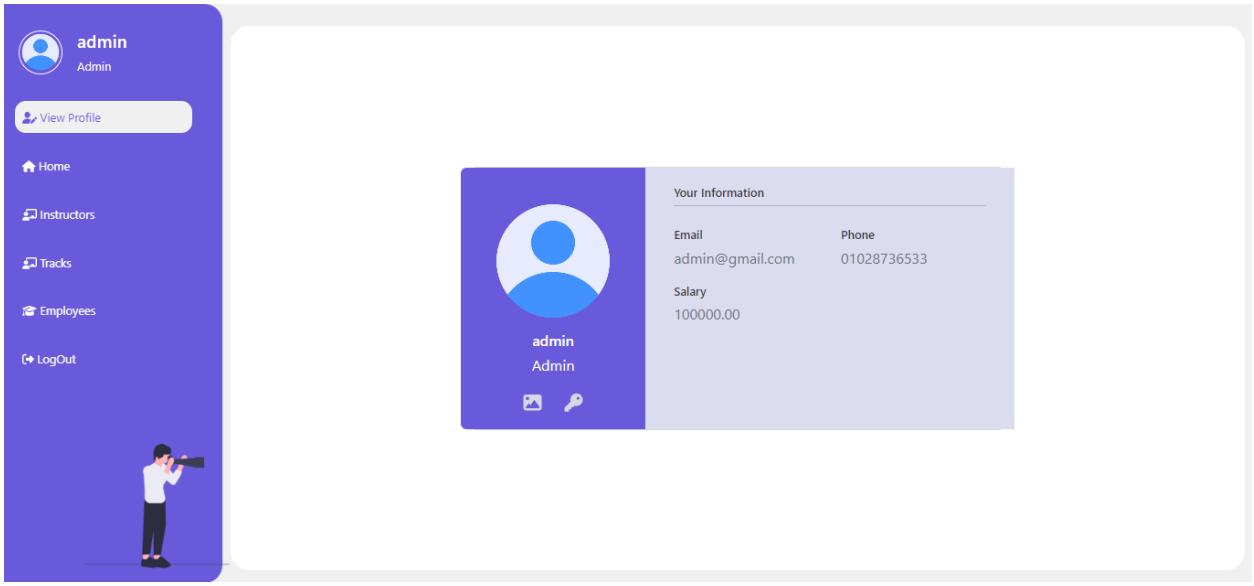
Register Student

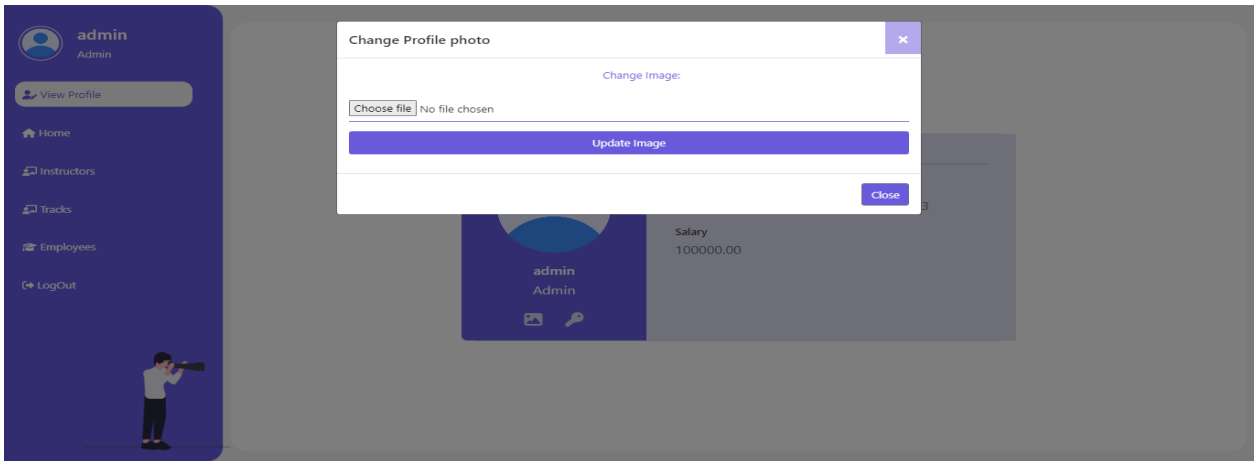
Enables students to register with personal and academic details, pending admin acceptance or rejection for account activation.

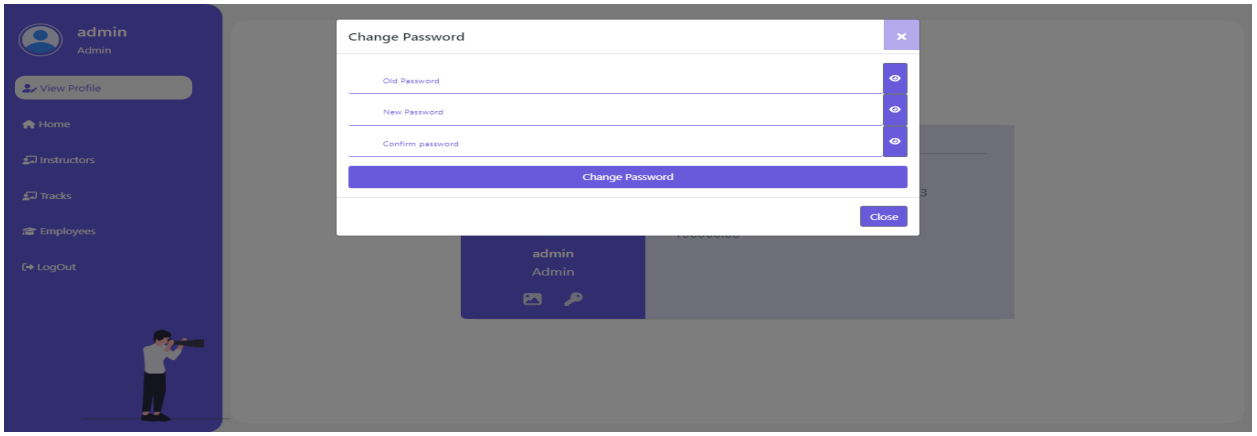


User Profile

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

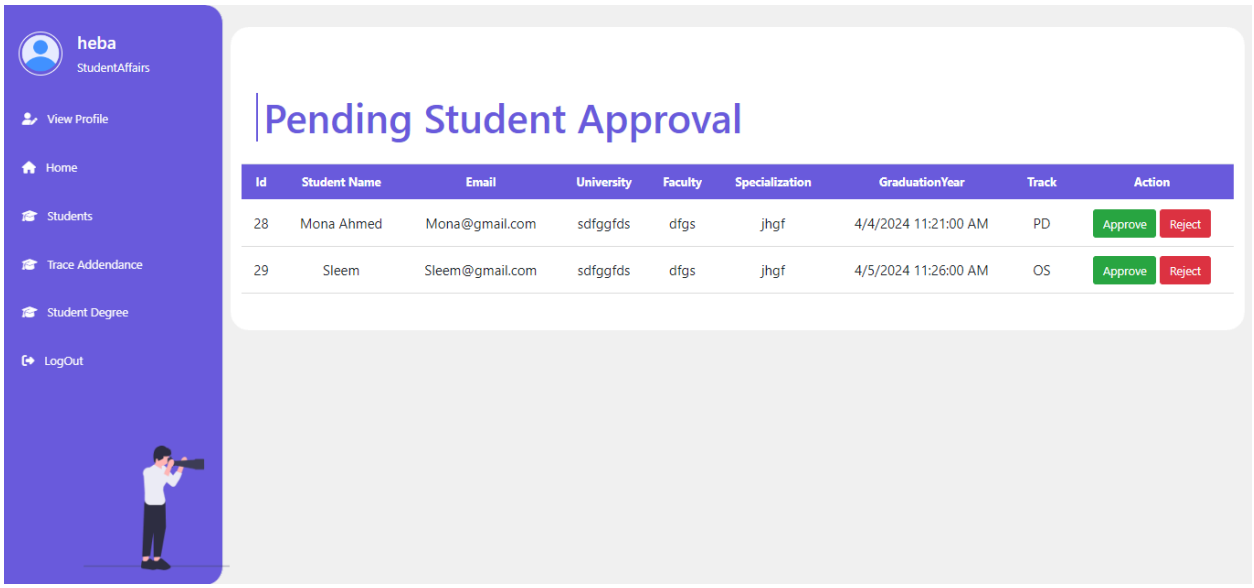

admin
Admin
View Profile
Home
Instructors
Tracks
Employees
LogOut
admin
Admin
Your Information
Email
admin@gmail.com
Phone
01028736533
Salary
100000.00


admin
Admin
View Profile
Home
Instructors
Tracks
Employees
LogOut
Change Profile photo
Change Image:
Choose file
No file chosen
Update Image
Close
admin
Admin
Salary
100000.00


admin
Admin
View Profile
Home
Instructors
Tracks
Employees
LogOut
Change Password
Old Password
New Password
Confirm password
Change Password
Close
admin
Admin

Admin

1.Accept Pending Students



2.Home Page Overview

Statistics Section

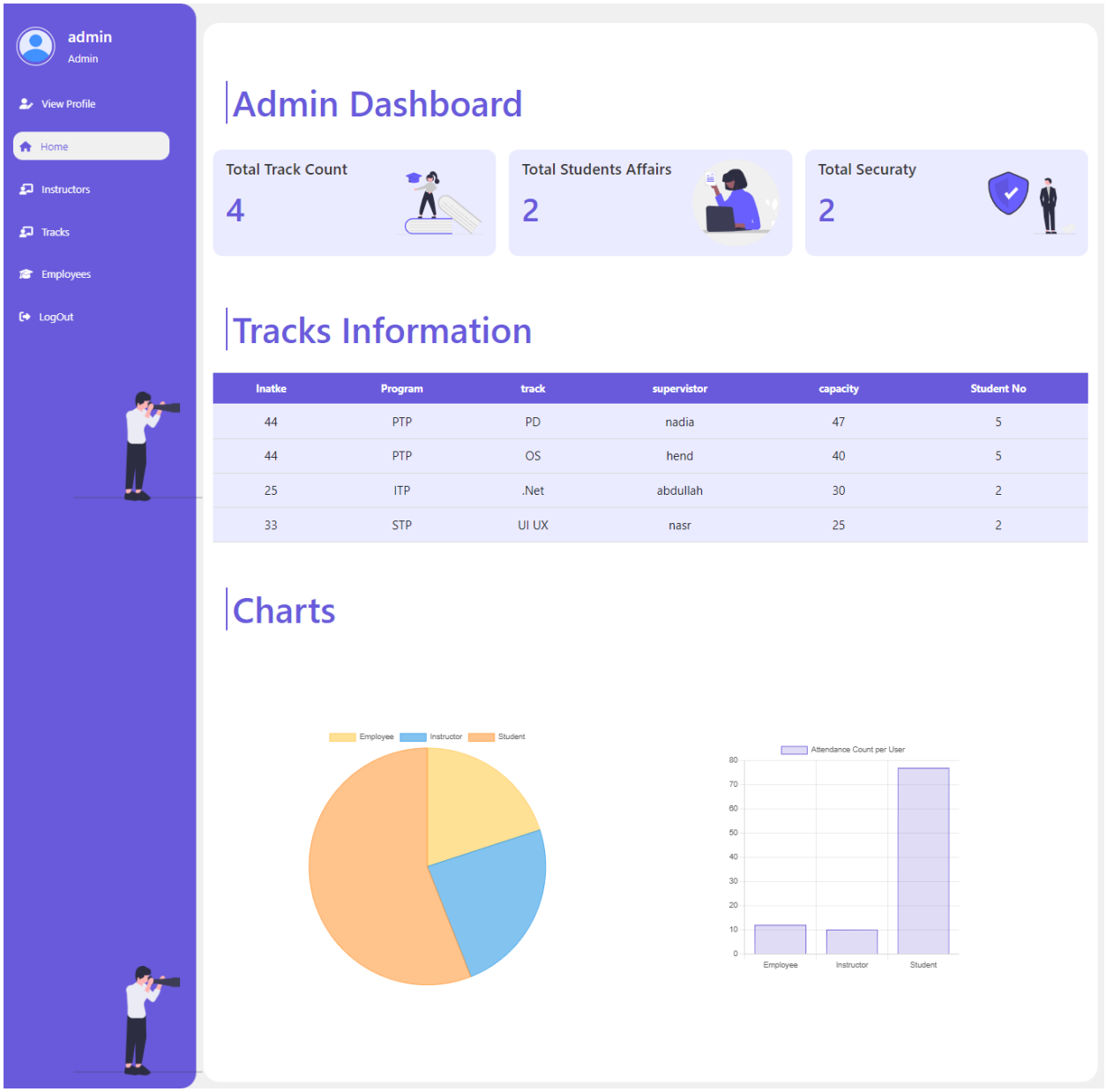
- Total Tracks: Displays the number of tracks available in the system.
- Employee Count: Shows the total number of employees registered.

Track Data Section

- Track Information: Provides details about each track .

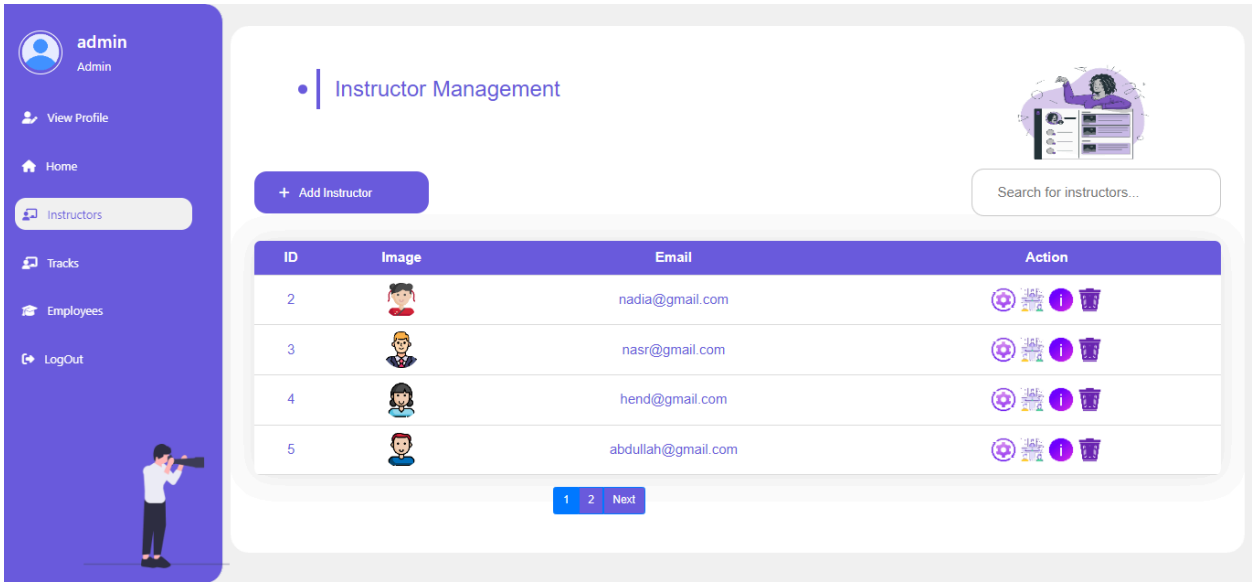
Attendance Chart

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

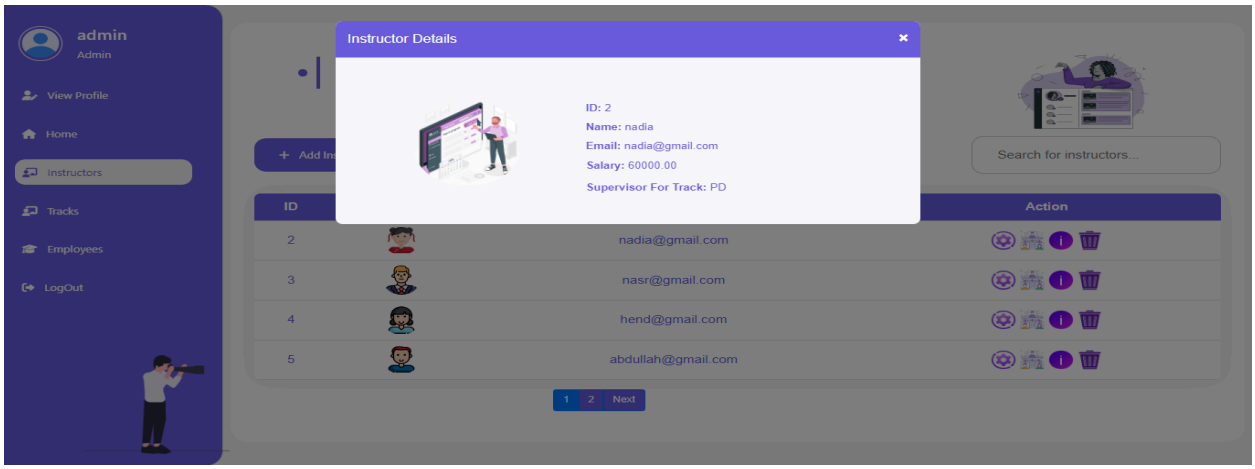


2.Instructor Management

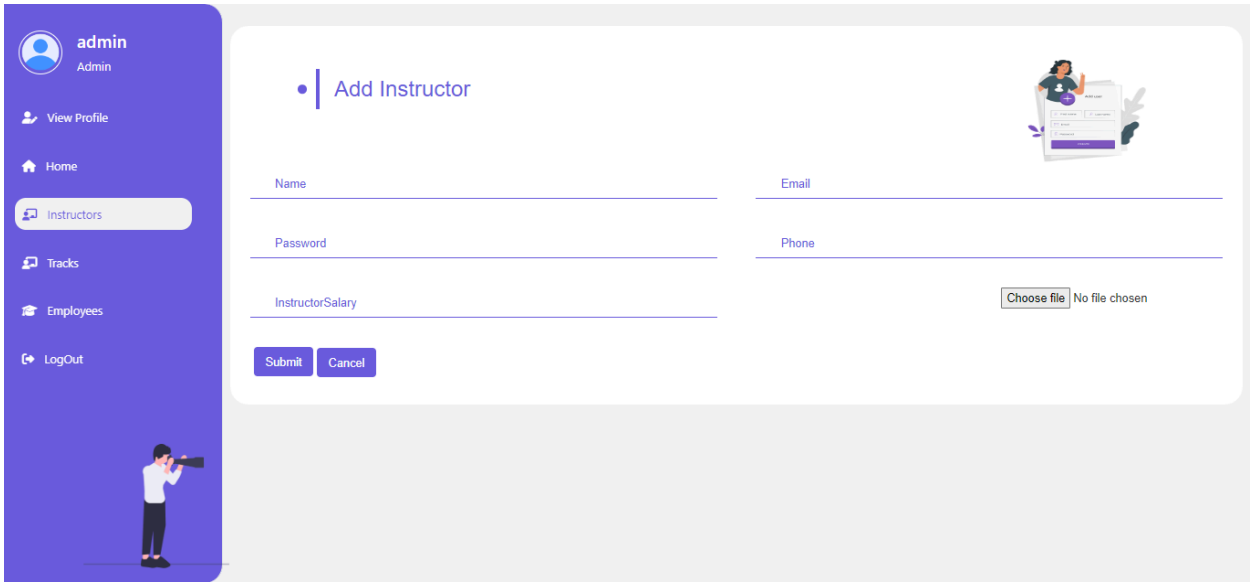
Display a list of all instructors with options to edit, delete, and search.

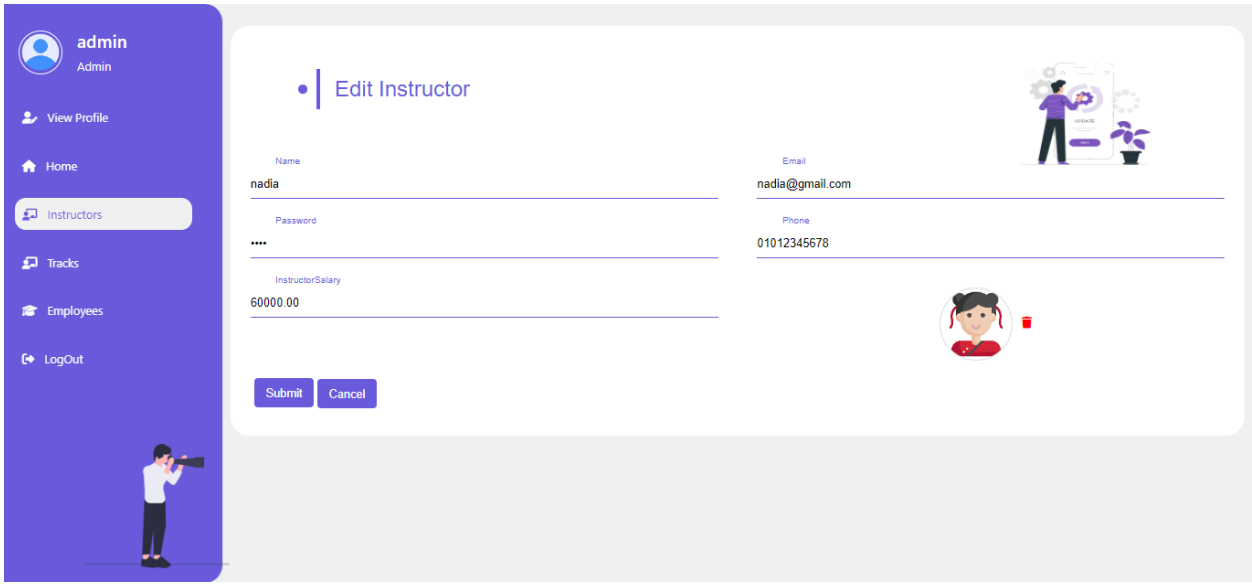


Show Instructor Details

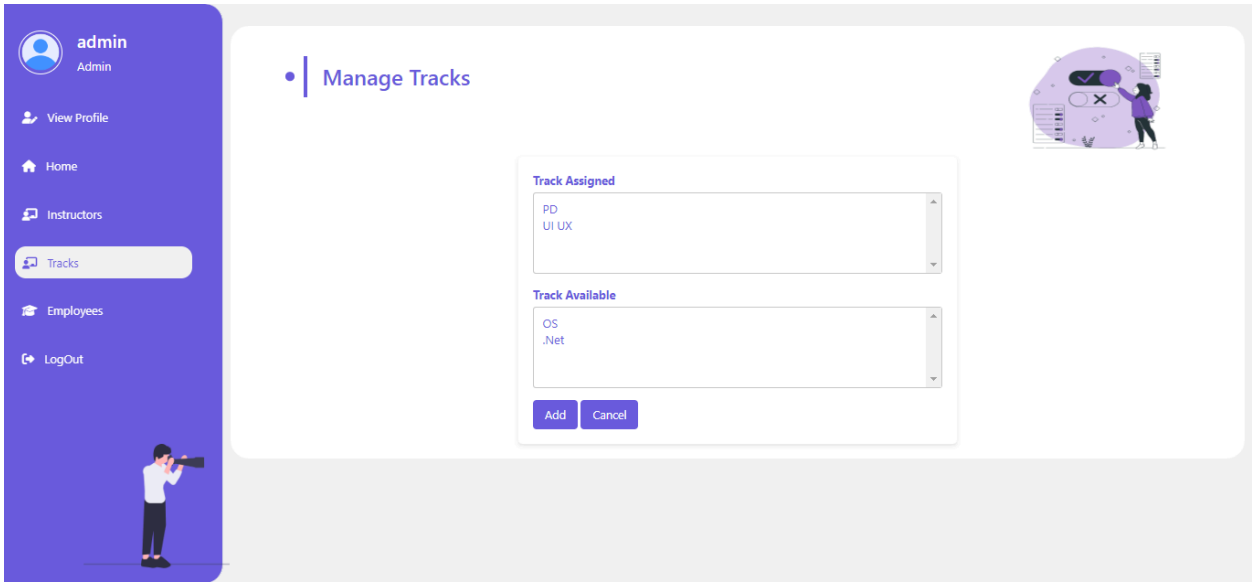


Add-Edit Instructor

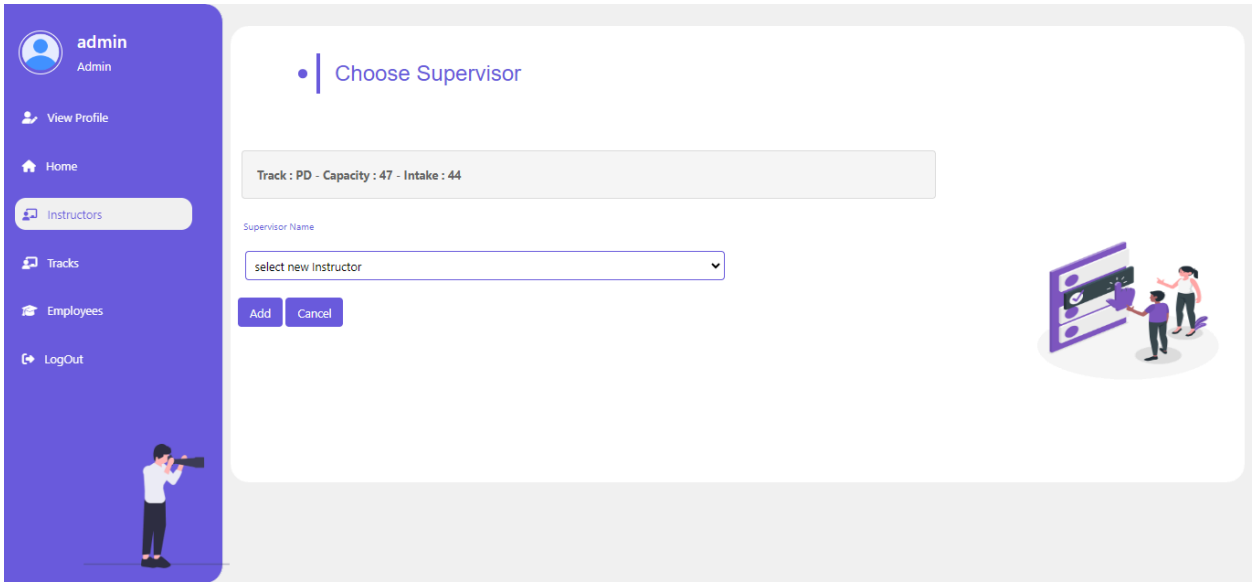




Managing instructors' tracks involves associating instructors with specific tracks within the system and providing options to add or delete these associations.

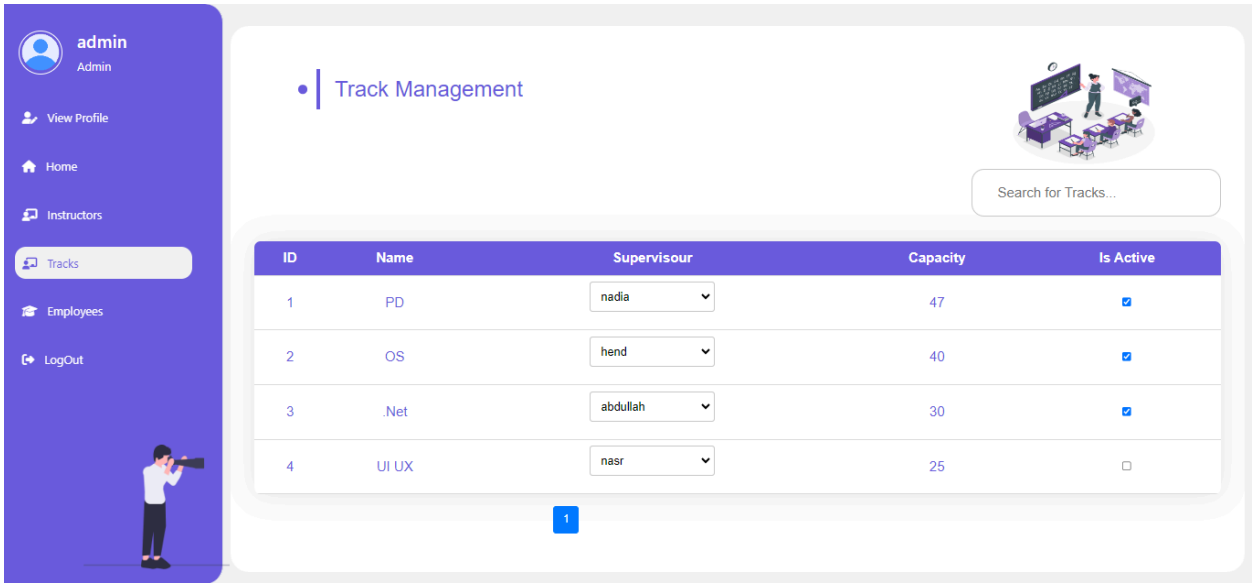


When Deleting: If an instructor who is a supervisor is deleted, reassign their supervised instructors to another supervisor



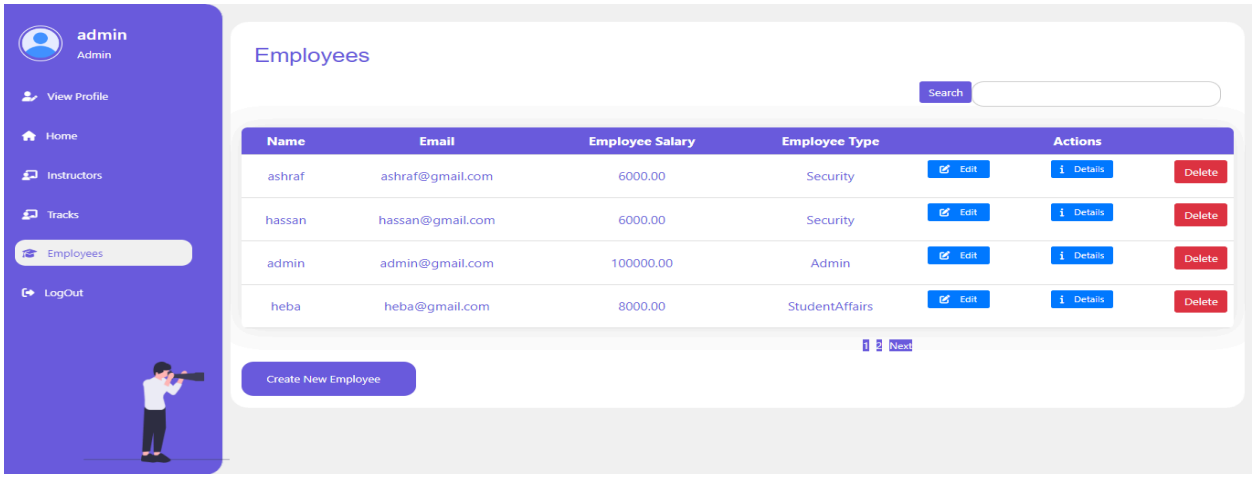
3.Track Management

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

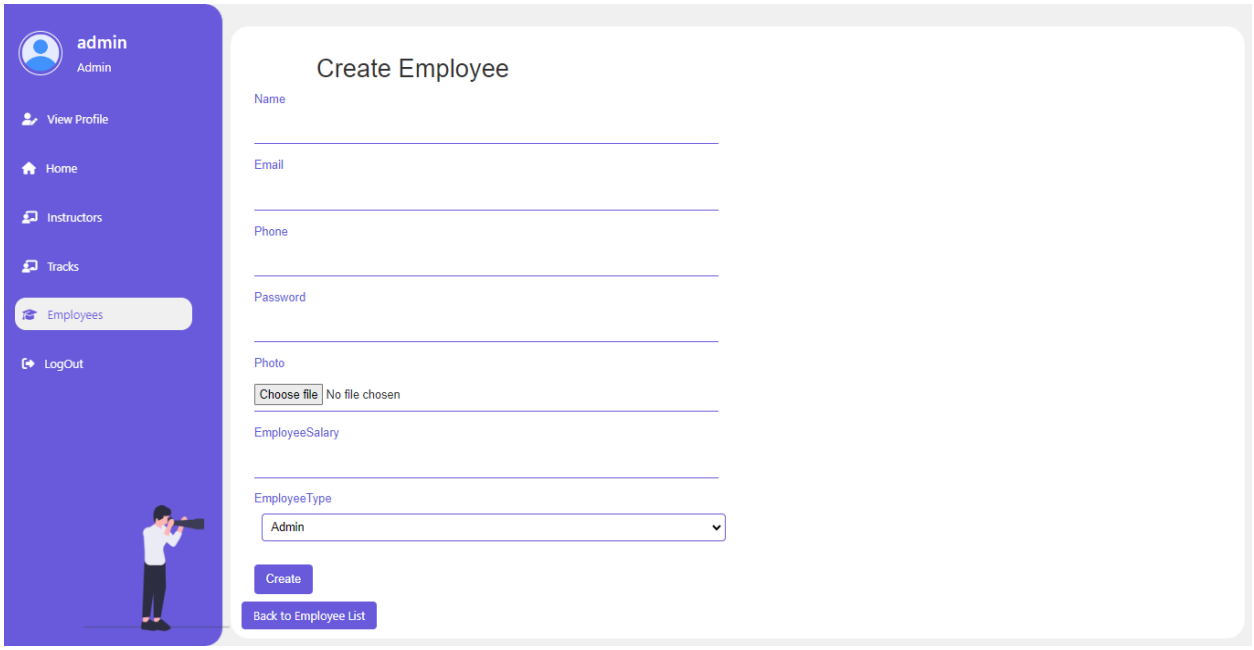


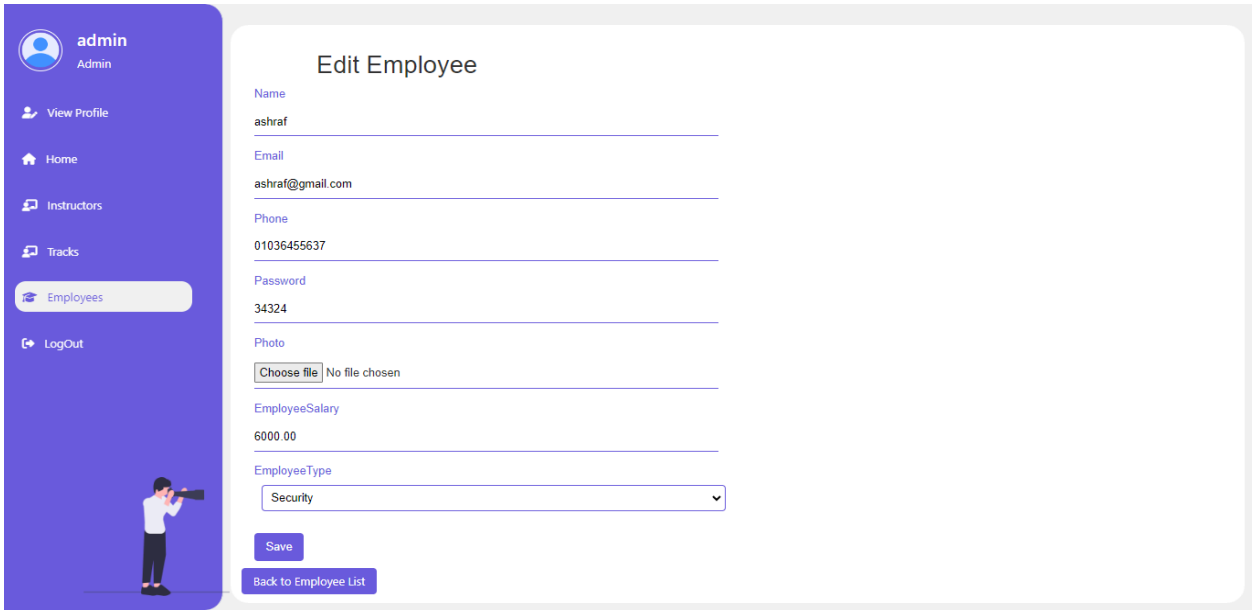
4.Employee Management

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

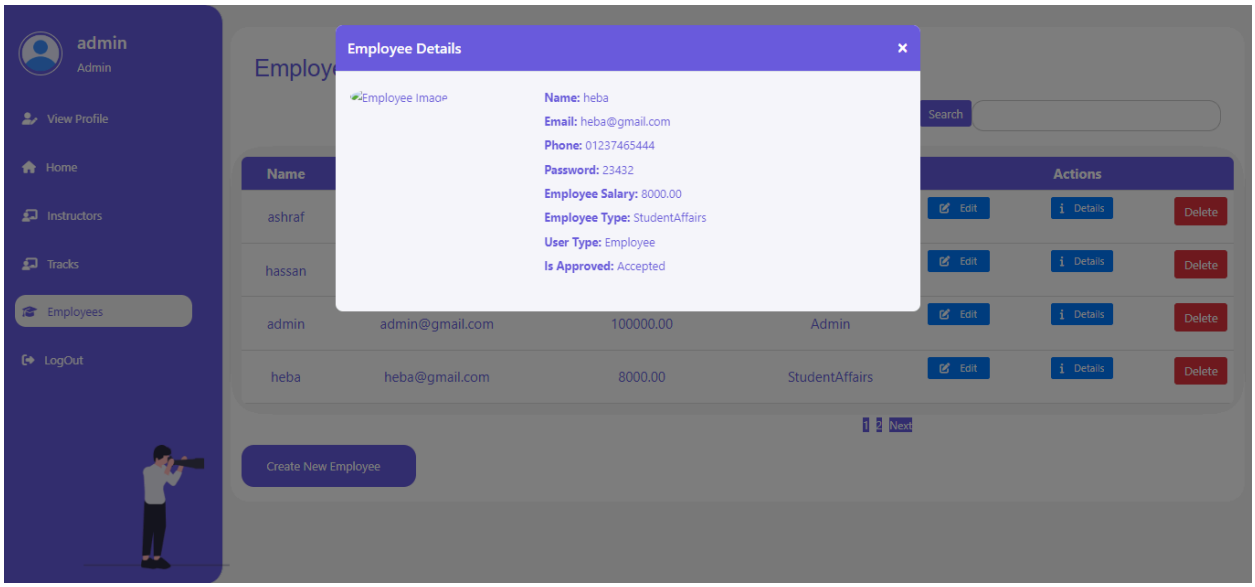


Add-Edit Employee





Employee Details



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

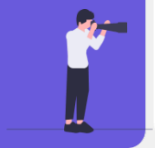
Home

Students

Trace Addendance

Student Degree

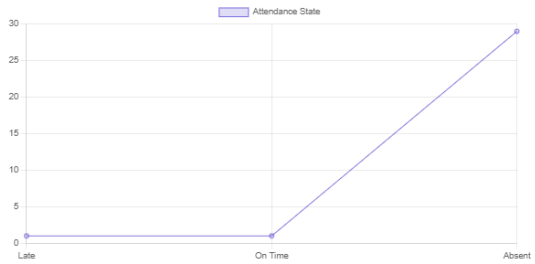
LogOut



Track Your Attendance

Late Count: 1 | On Time Count: 1 | Absent Count: 29

One Month



Attendance Calendar

April 2024

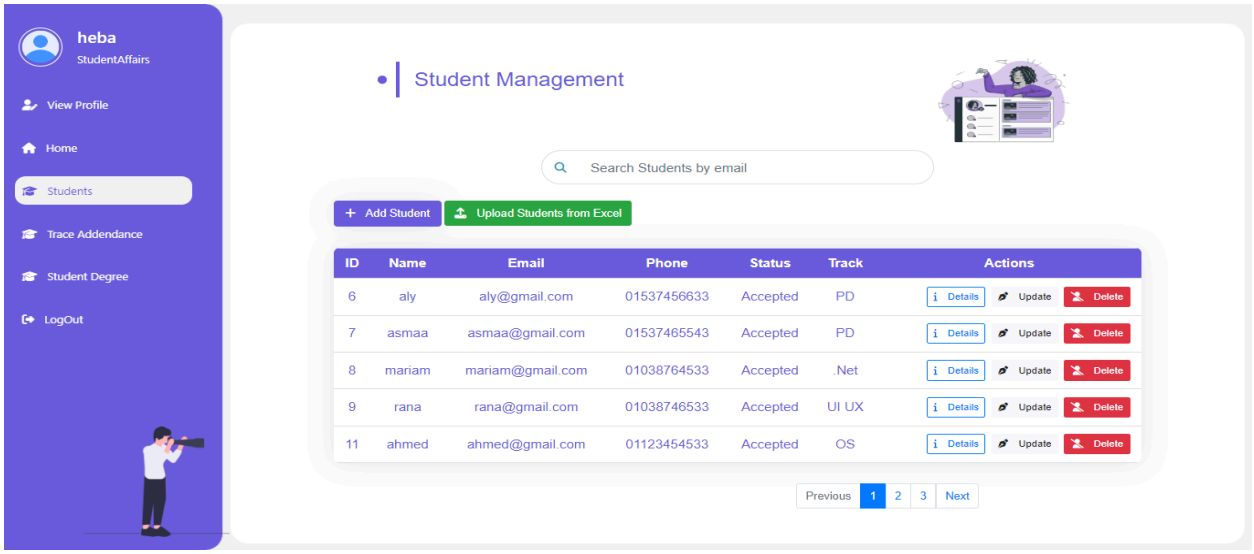
today

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

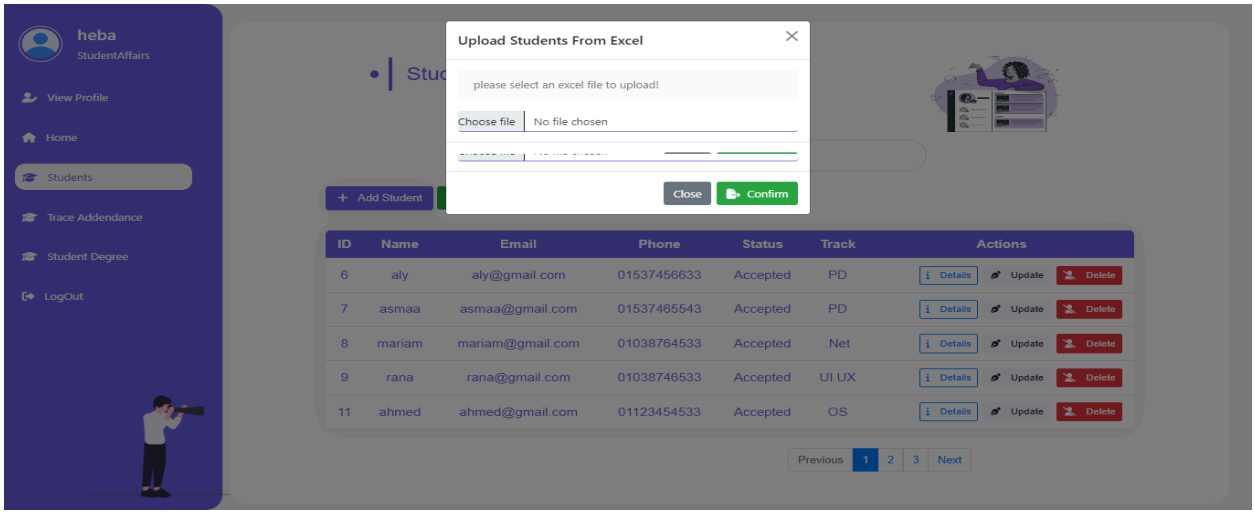
Student Affairs

1.Student Management

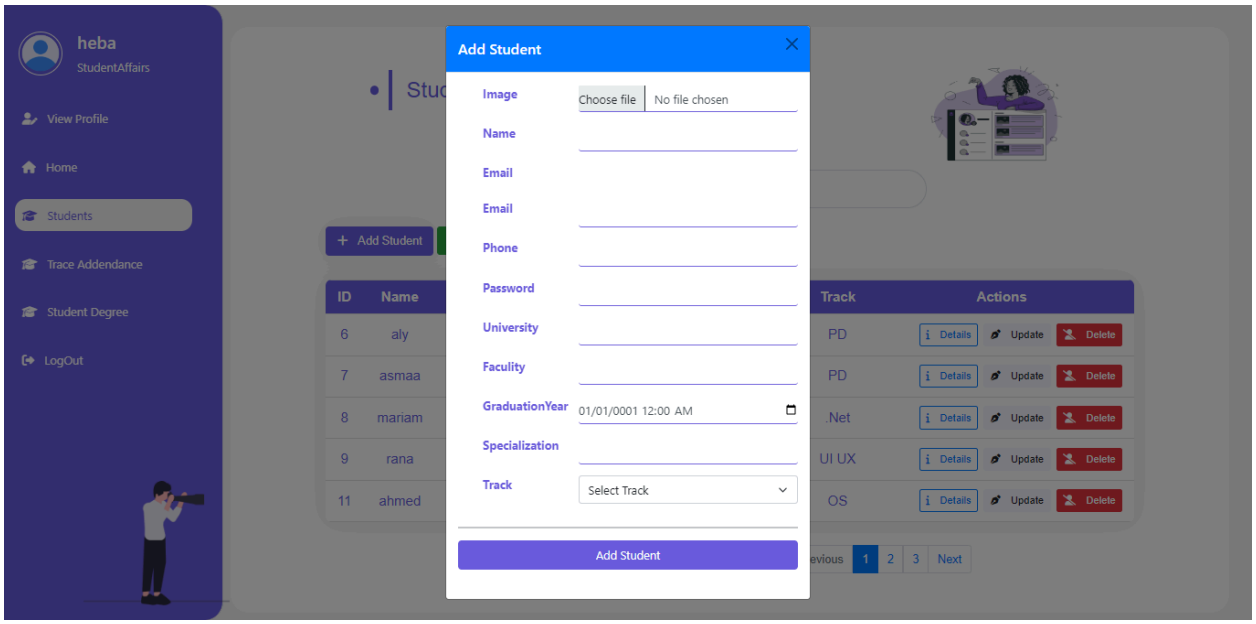
Display a list of all Students with options to edit, delete, and search.

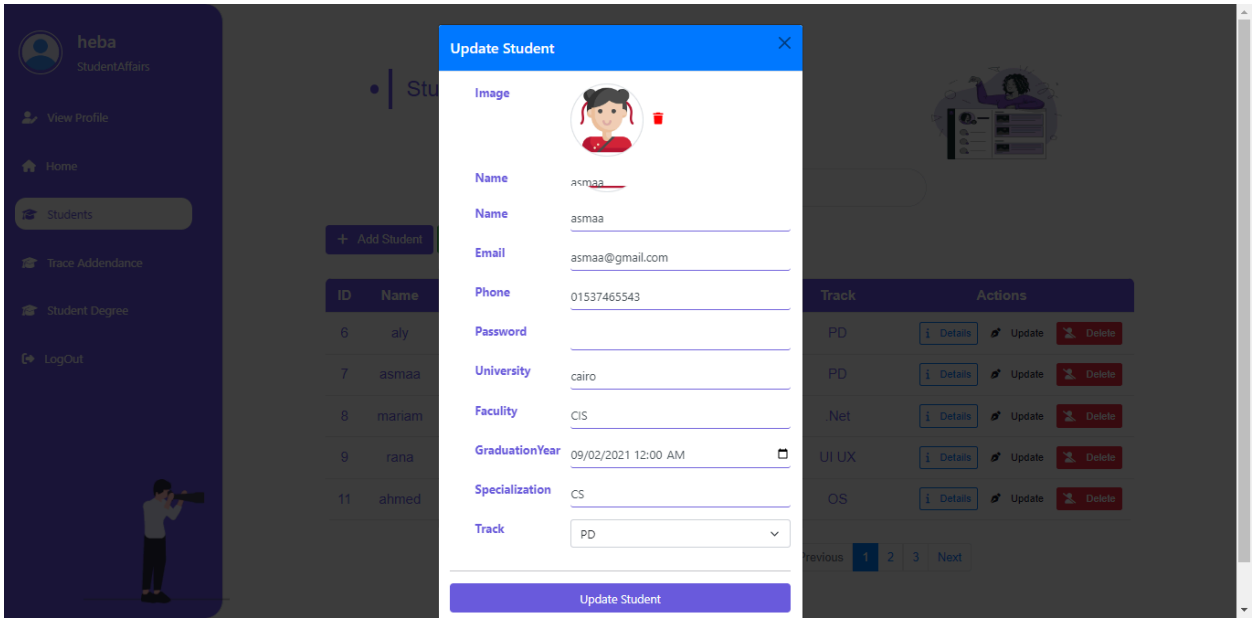


Register bulk of student from excel file

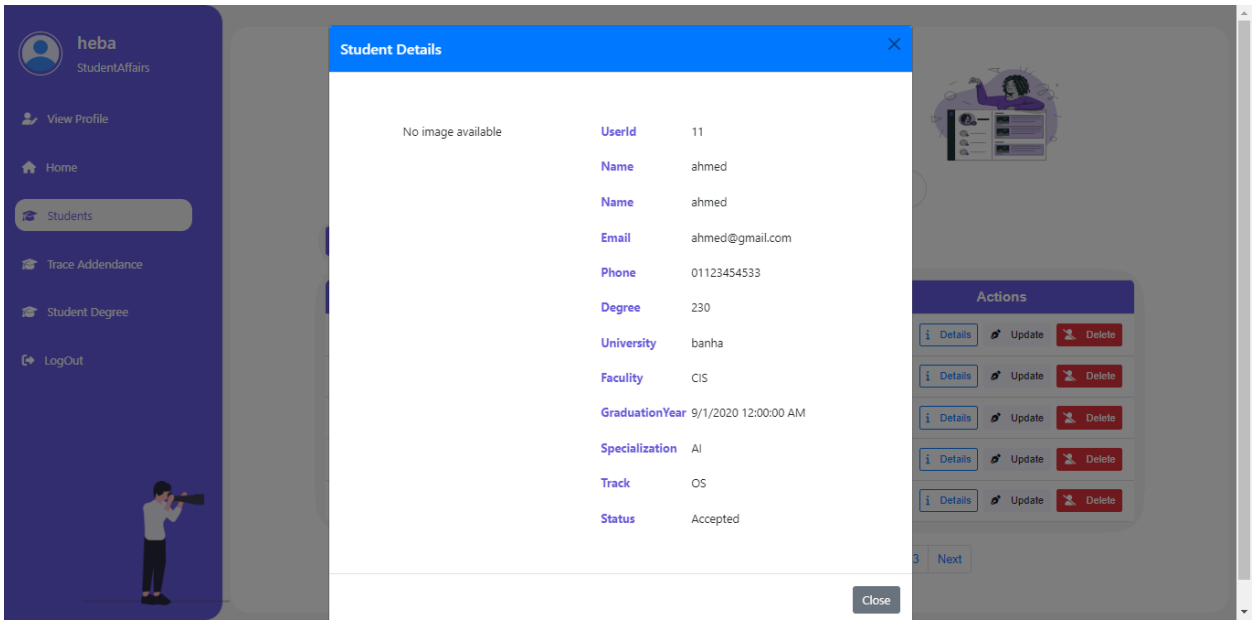


Add-Edit Student



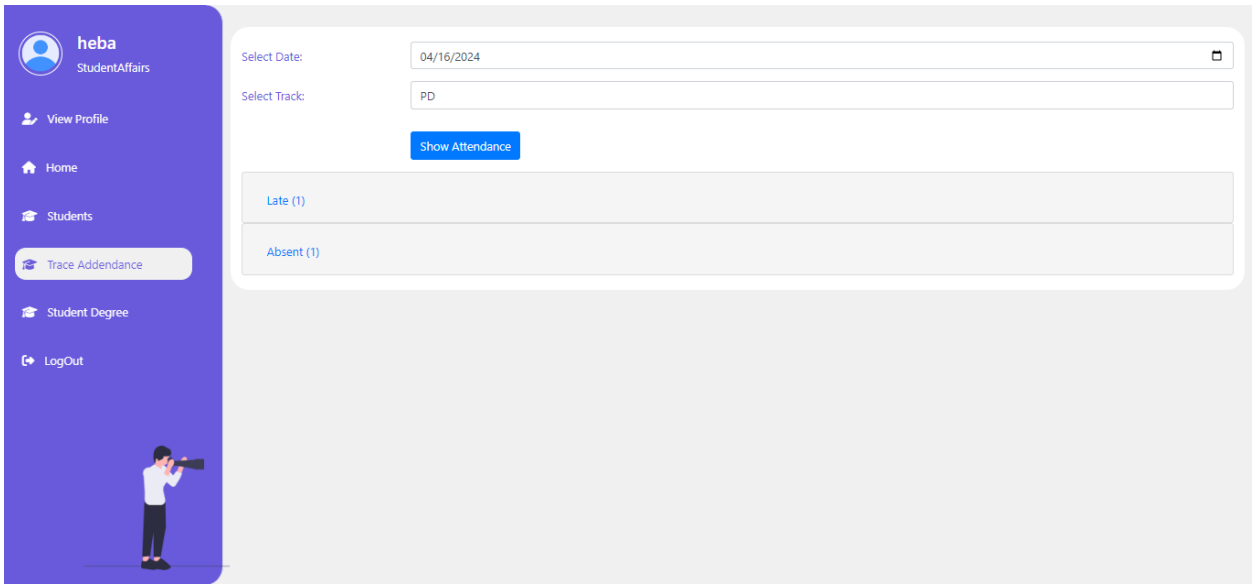


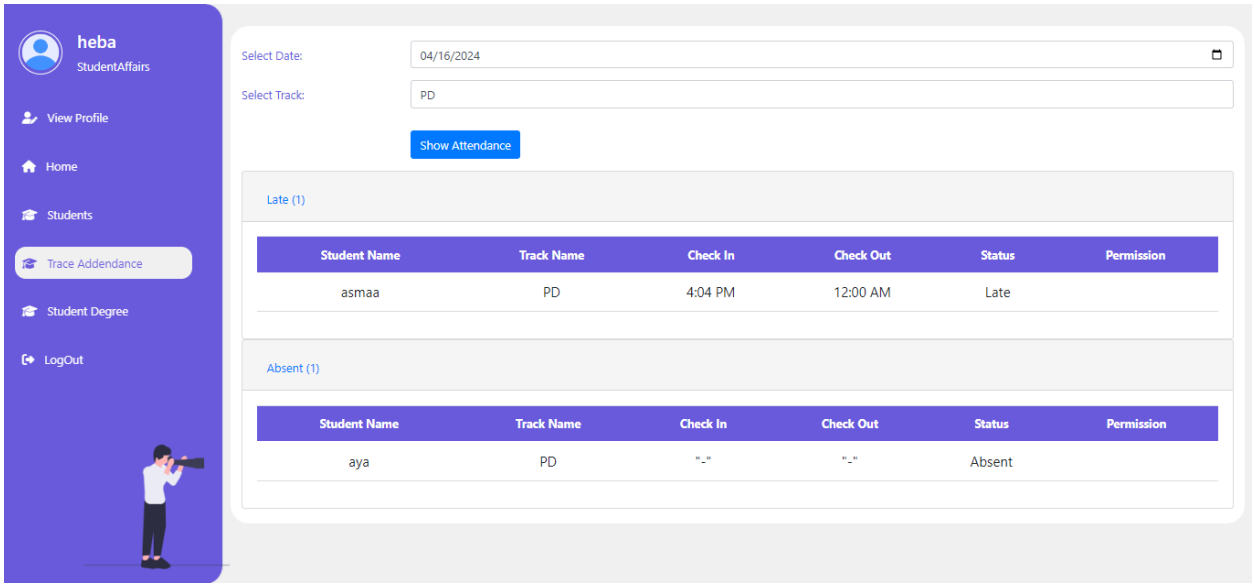
Show Details



2.Trace Attendance

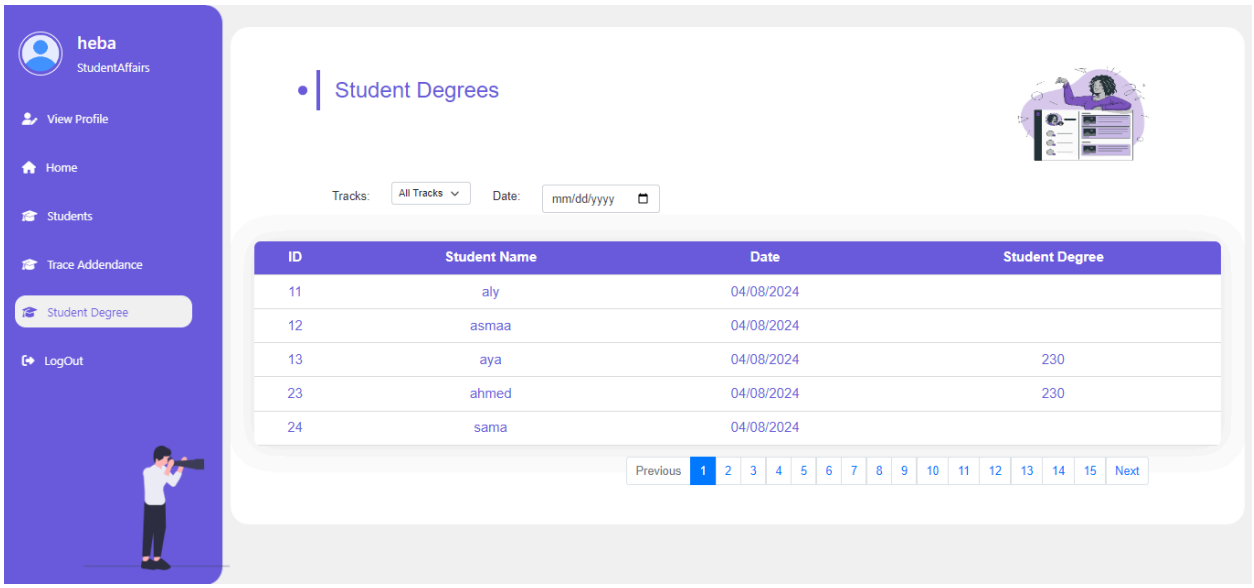
Show daily students , absent students , student attendance on time based on specific Track .





3.Student Degree

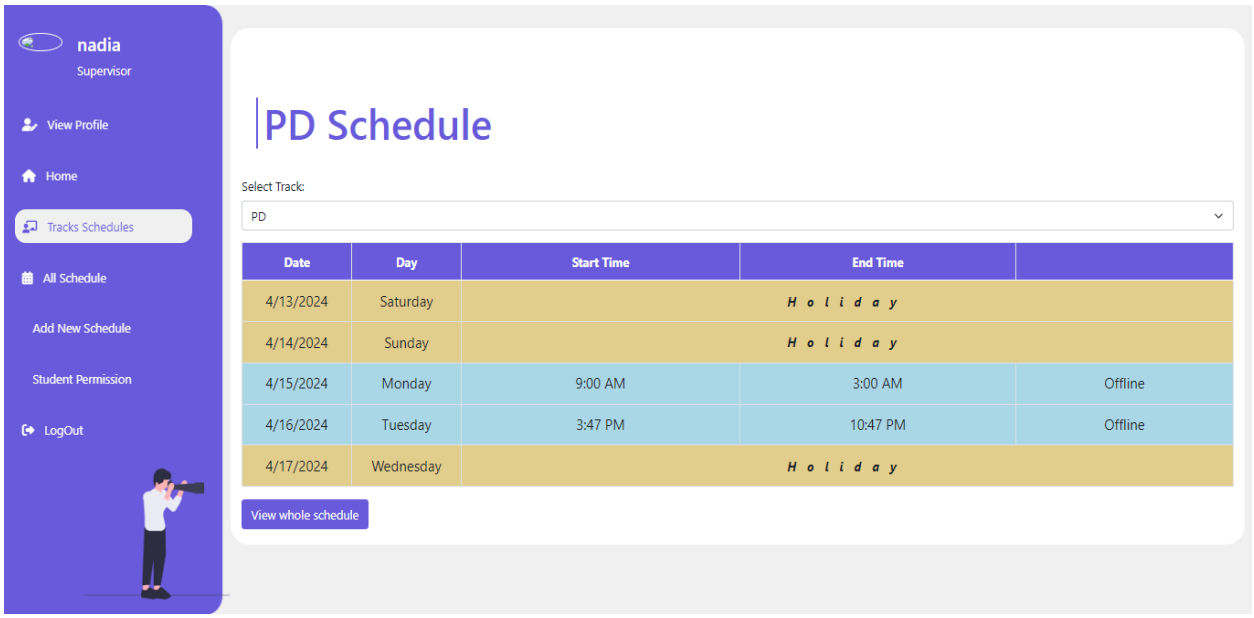
Track Students attendance degree during period of time.



Instructor

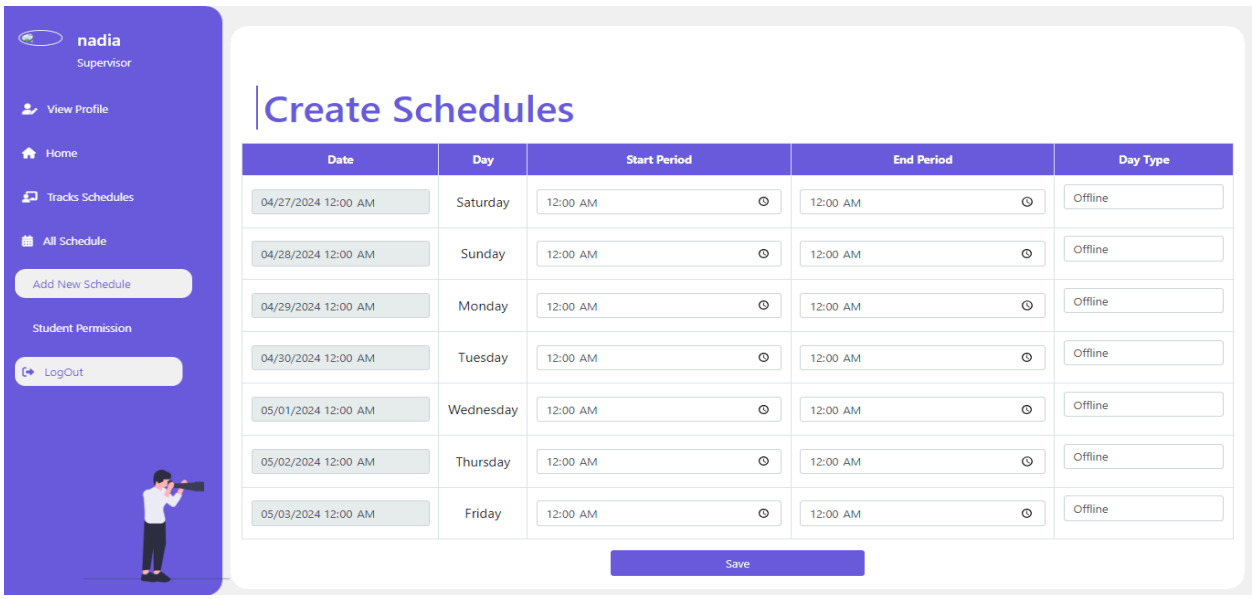
1.Track Schedule

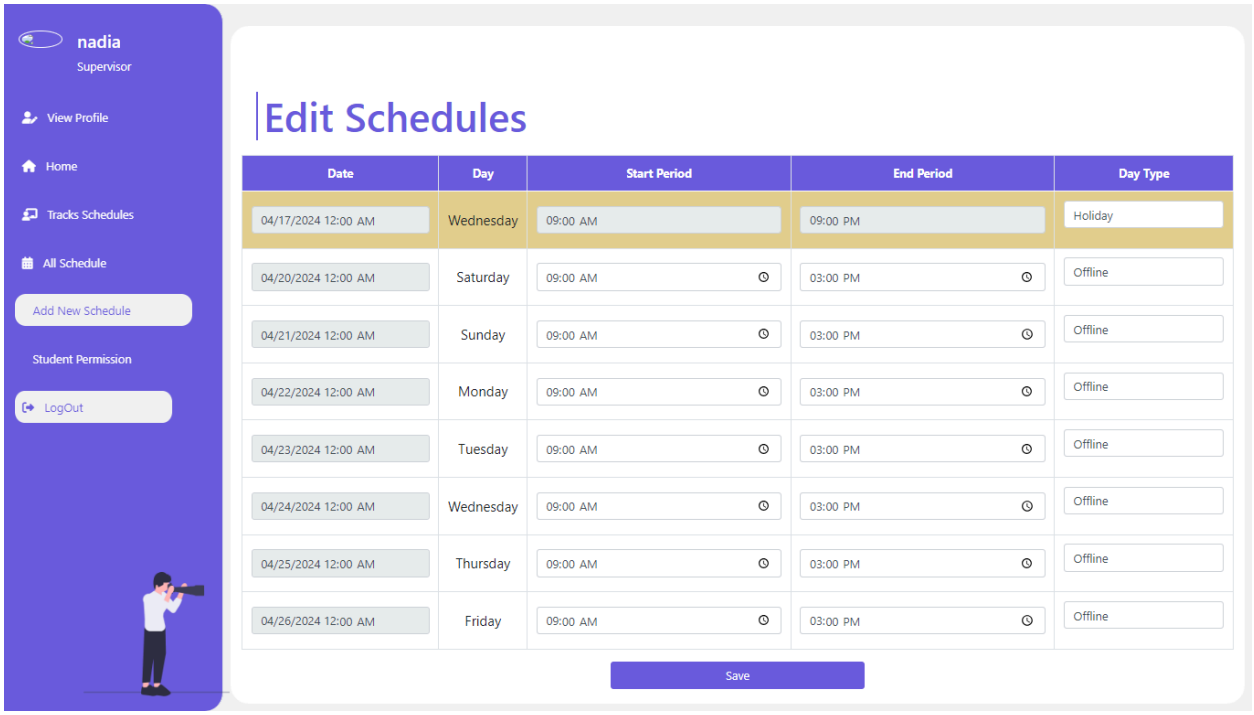
Displaying the schedule for all tracks associated with him



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

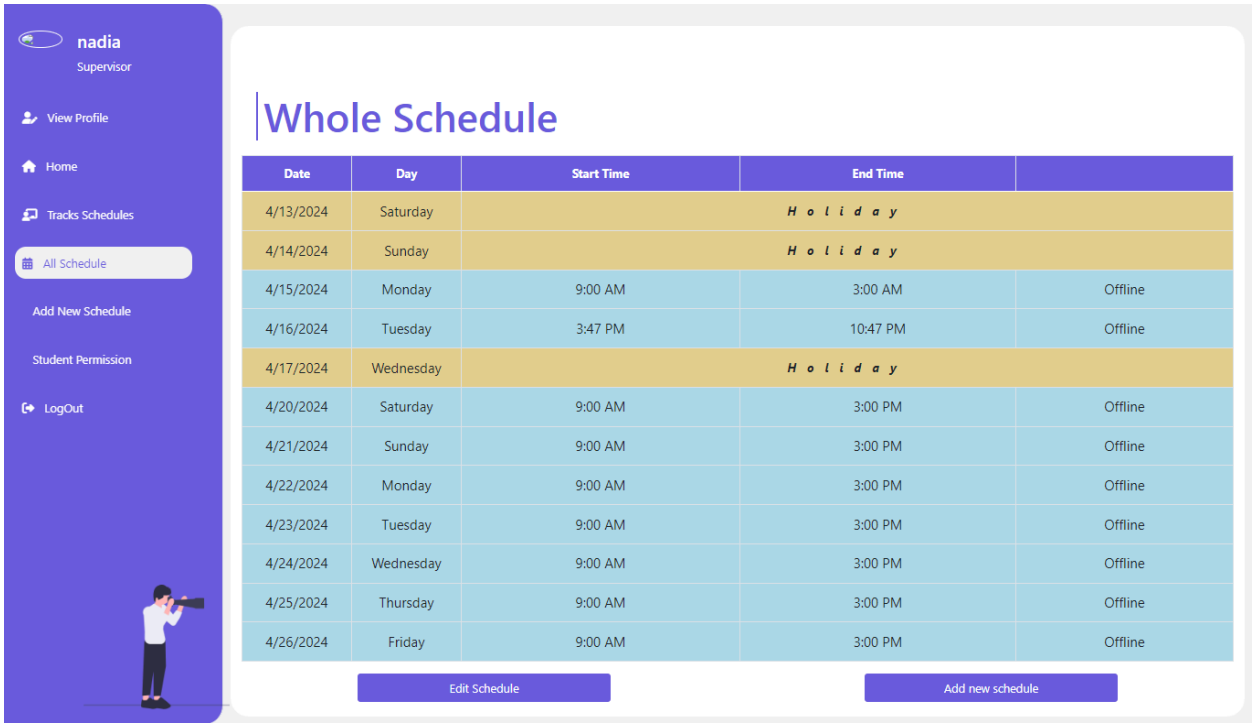
2.Add and Edit Schedule





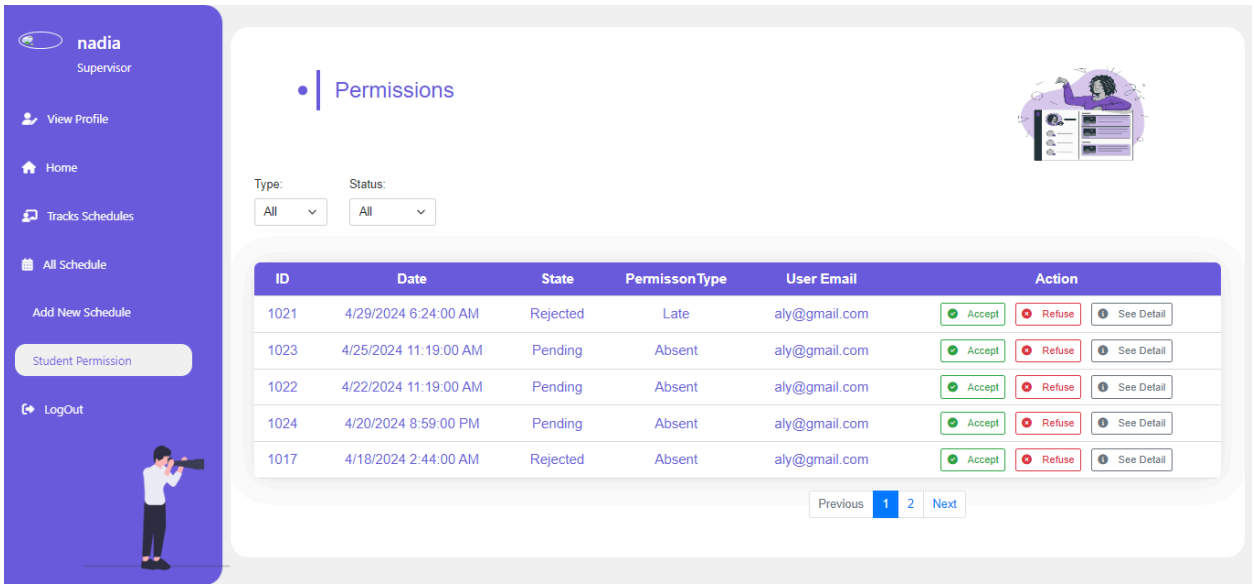
3.All Schedule

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



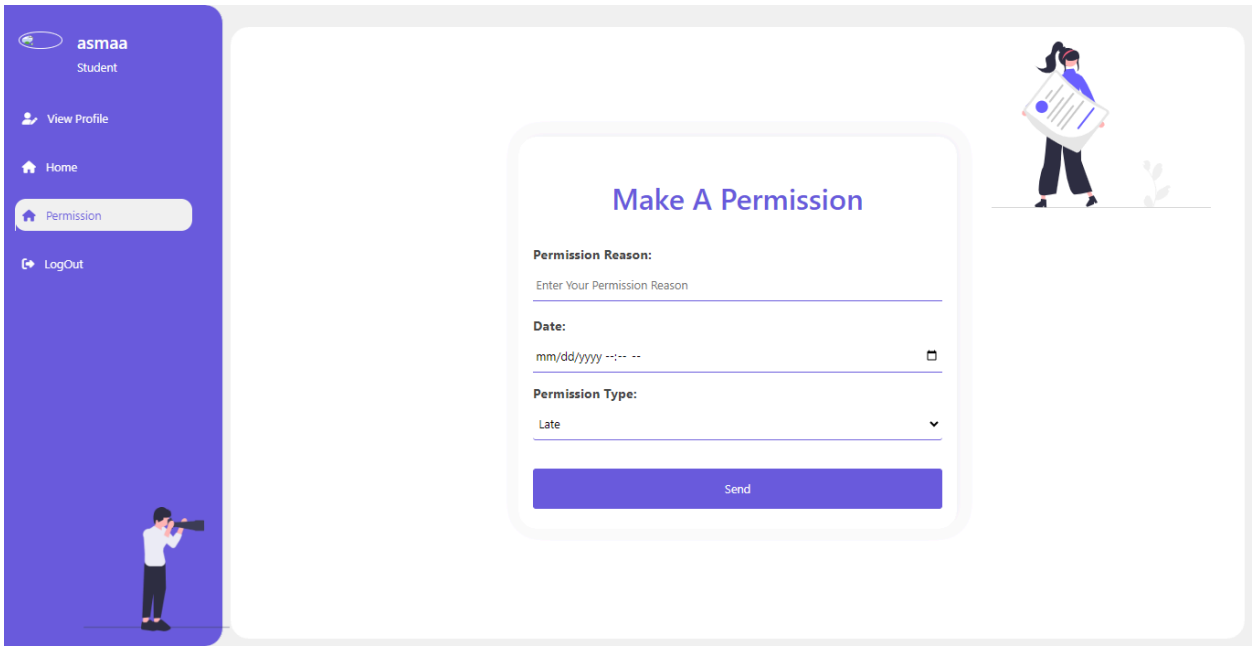
5.Student Permission

accept or reject student permissions.



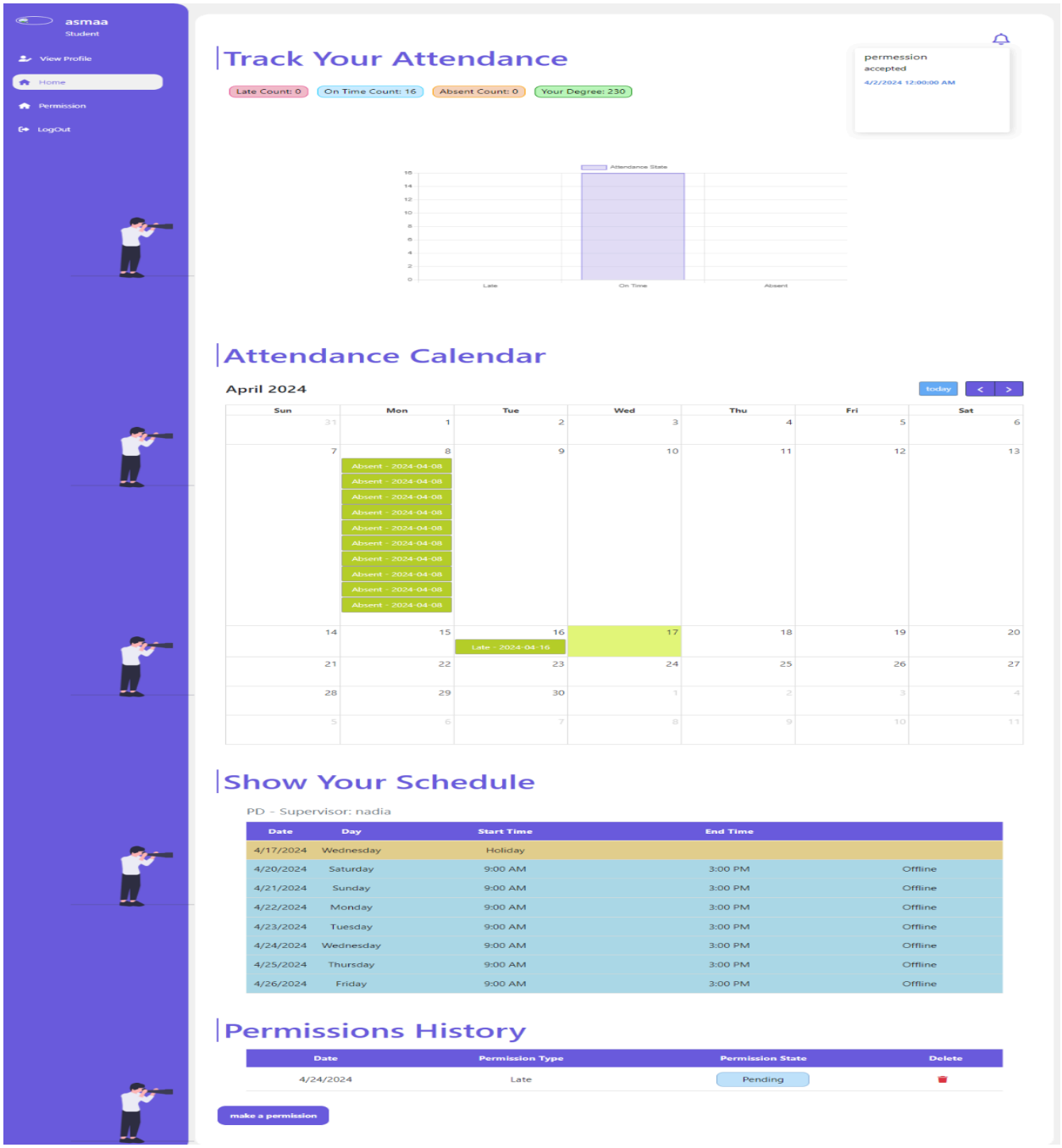
Student

1.Add Permission



2.Home Page Overview

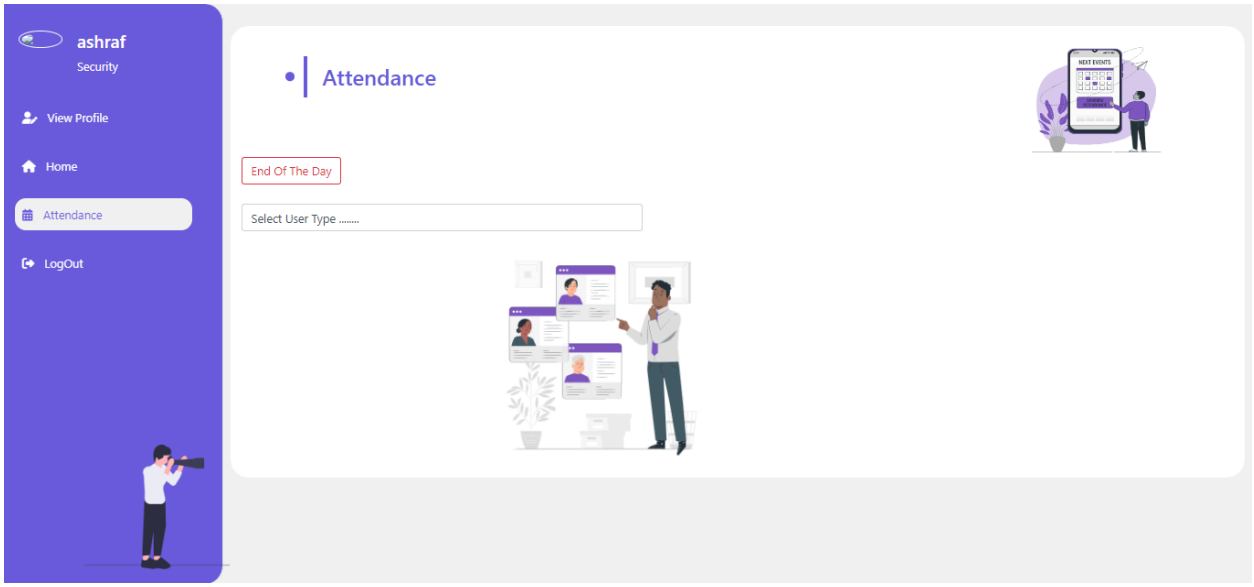
Creating a home page with graphical representations of attendance data, along with counts for late,absent, on-time attendance, a calendar showing days of lateness or absence, his Permission and his schedule for this week

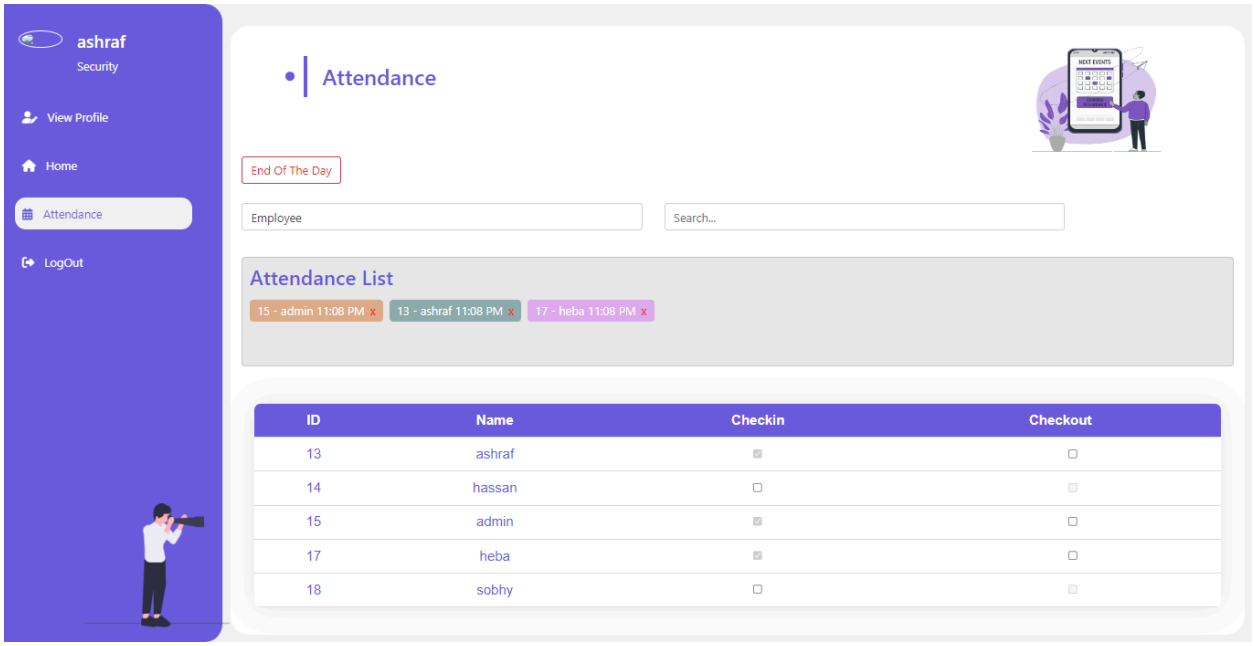


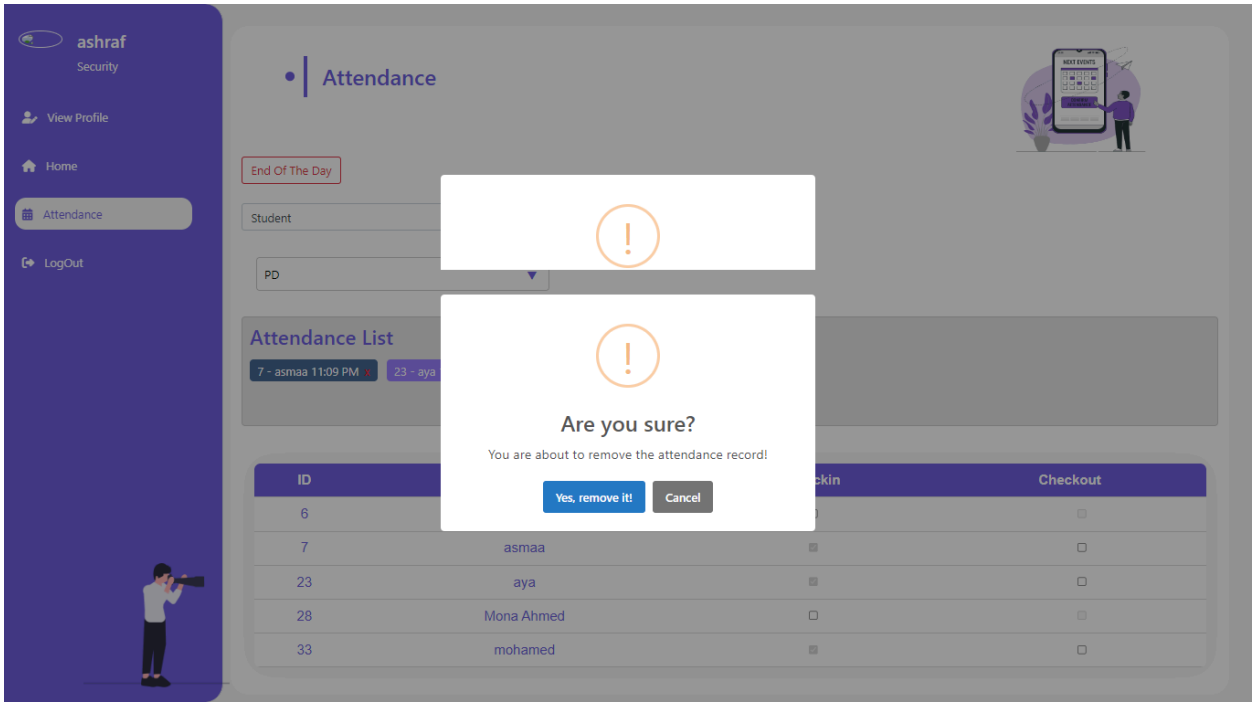
Security

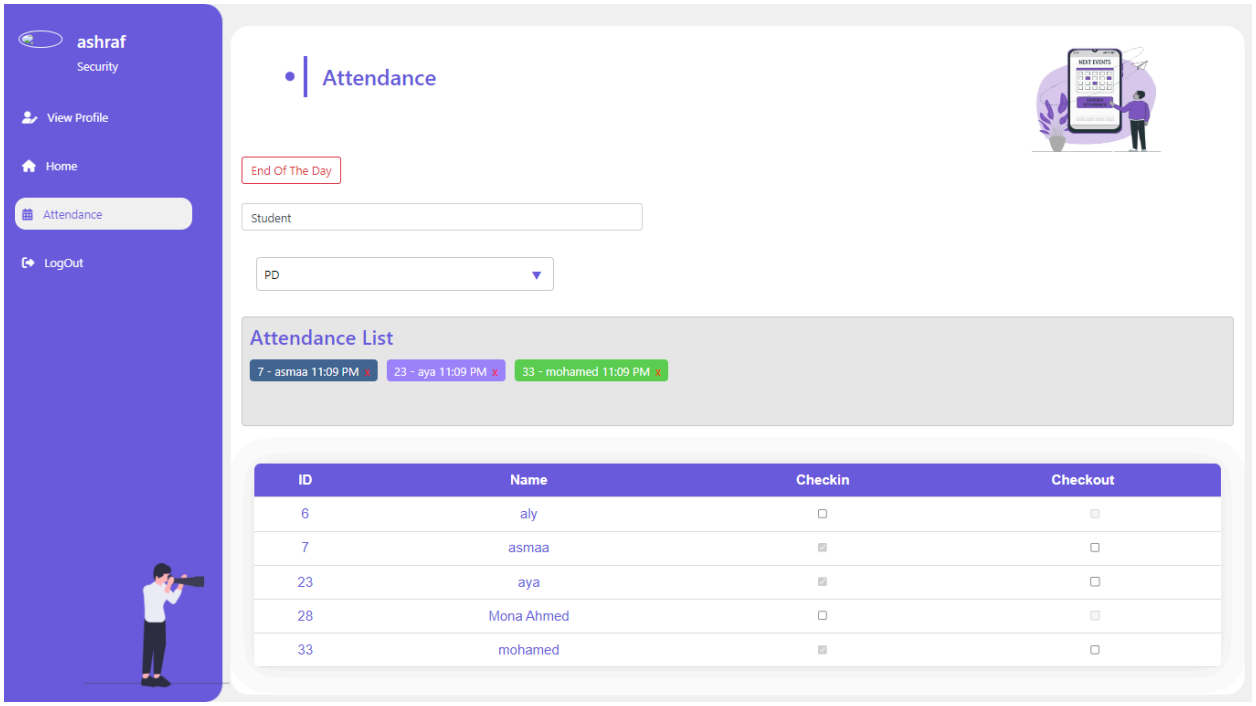
1.Attendance

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
Student
PD
Attendance List
7 - asmaa 11:09 PM
23 - aya
Are you sure?
You are about to remove the attendance record!
Yes, remove it!
Cancel
ID
Checkout
6
7
asmaa
23
aya
28
Mona Ahmed
33
mohamed


ashraf
Security
View Profile
Home
Attendance
LogOut
Attendance
End Of The Day
Student
PD
Attendance List
7 - asmaa 11:09 PM
23 - aya 11:09 PM
33 - mohamed 11:09 PM
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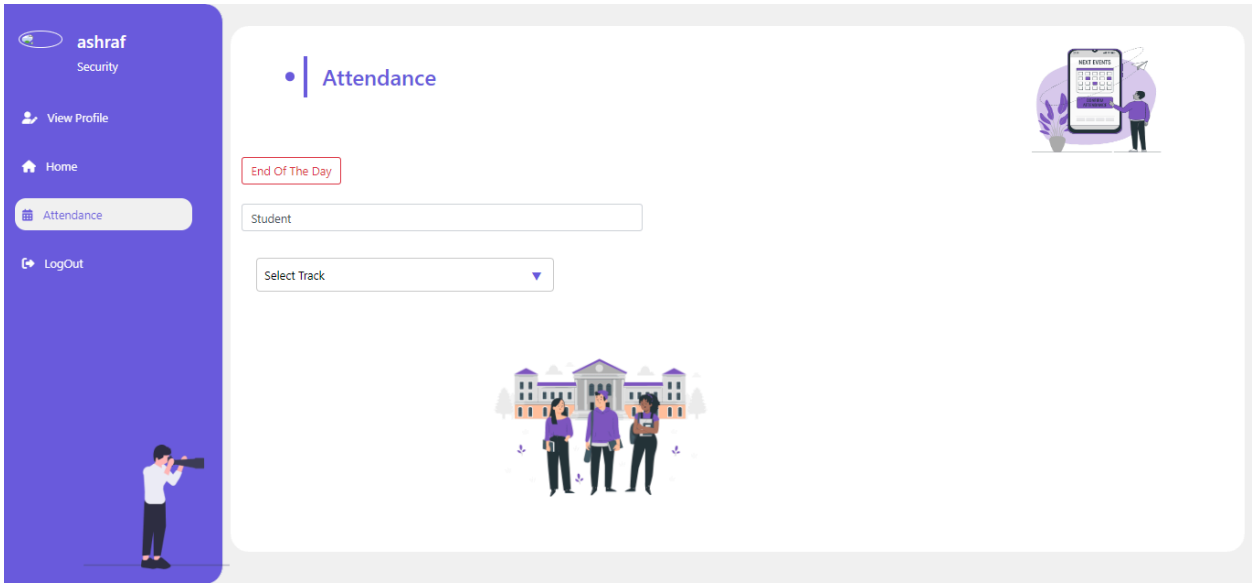
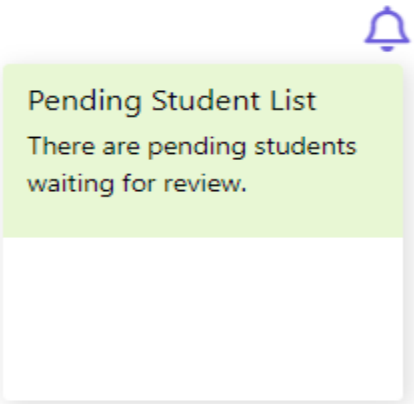
mohamed



Massage

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.