

Documentation

Aim :

providing a robust foundation for managing user attendance efficiently. It includes features such as clock-in/out, break tracking, user management, and robust authorization/authentication using JWT Bearer.

The system is designed to handle Performance data seamlessly and includes error handling for a smooth user experience. The system employs role-based authentication for manual request approval && leave Request Approval && Insert Event Designated roles are responsible for approving or rejecting leave requests submitted by employees.

Objective :

- Facilitates easy and accurate tracking of employee attendance.
- Streamlines user management operations with CRUD functionalities.
- Ensures data security through JWT Bearer token authentication.
- Enhances overall user experience with efficient error handling.

Database Schema :

User
Username
Password
Email
PhoneNo
Adress
UserTypeId
Role

ManualRequest
UserId
BreakType
ClockInTime
ClockOutTime
status
EmployeeRemark

Report
UserId
CheckoutTimeId
AttendanceId
StartBreakId
FinishBreakID

Breaks
ClockIn
Clockout
StarteBreak
FinishBreak

Leave
UserId
LeaveRequestTime
LeaveStatusTime
StartLeaveDate
EndLeaveDate
LeaveType
Status
Reason

BaseEntity
Id

Users:

- **Employee:** Employees are usually responsible for marking their attendance Requesting Leaves Etc. through the system.
- **Admin (HR):** Admins are usually responsible for checking Attendance of the Employee and approving their attendance and approving Requested Leaves Etc. through the system.

Events:

- **Live Clock-In/Out Updates:** Users receive real-time notifications when colleagues clock in or out.
- **Dashboard Synchronization:** Real-time synchronization of attendance data on the user dashboard.
- **Break Notifications:** Instant notifications when a break is started or finished.
- **Request Approval/Reject Notifications:** The system also includes real-time notifications for request approval or rejection. When a user requests time off or submits any form of leave, concerned parties are instantly notified of the approval or rejection status. This feature streamlines the leave management process and provides quick feedback to users.

Technologies Used :

- **React.**
- **Redux/Toolkit.**
- **Thunk Middleware.**
- **Material-UI.**

State Management :

- **Redux Store.**
- **Actions and Reducers.**

Api InteGration :

- **Communication with ASP.NET Backend**
- **Authorization Headers**

Role-Based Authentication :

- **User Roles and Permissions**
- **Access Control in the UI**

User Interface :

- **Clock-In/Out Interface**
- **Break Tracking Interface**
- **User Management Interface**
- **Manual Request Approval Interface**
- **Leave Request Approval Interface**
- **Insert Event Interface**

Deliverables :

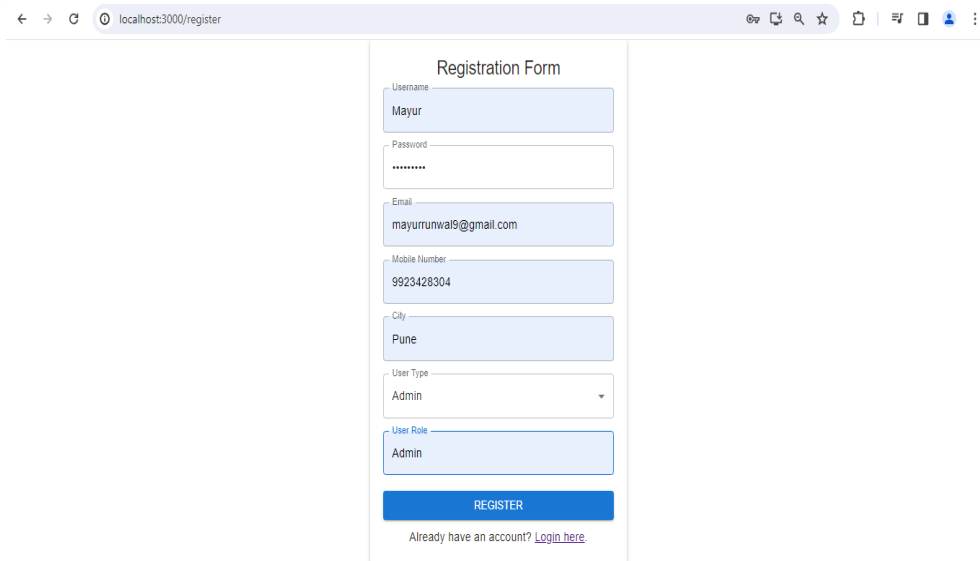
- 1) **Login/Logout**
- 2) **StartBreak/FinishBreak**
- 3) **Total Hours**
- 4) **Productive Hours**

Extra Functionalities :

- 1) **Event Management for Particular User.**
- 2) **Leave Request and Its Management.**
- 3) **Role Based Access to the HR(Admin) and the Employee**
- 4) **User Apply Manual Request.**

Forms/Layout/Outputs :

1) Registration Page-



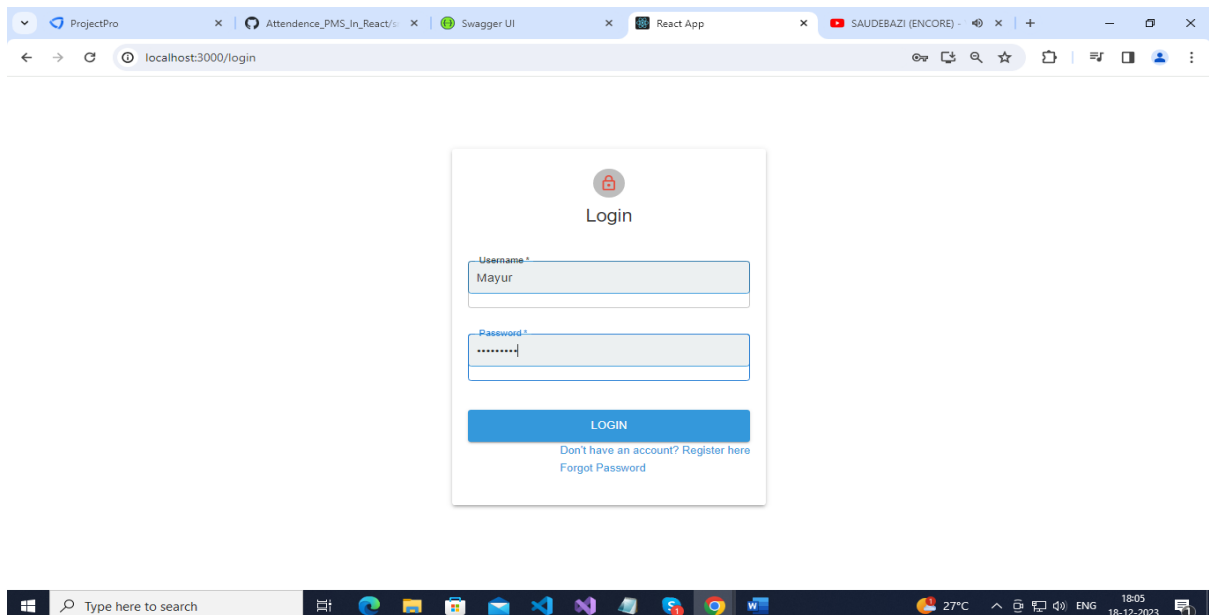
The screenshot shows a web browser window with the address bar displaying 'localhost:3000/register'. The page contains a 'Registration Form' with the following fields and values:

- Username: Mayur
- Password: (masked with dots)
- Email: mayurunwal9@gmail.com
- Mobile Number: 9923428304
- City: Pune
- User Type: Admin (dropdown menu)
- User Role: Admin

Below the fields is a blue 'REGISTER' button. At the bottom, there is a link: 'Already have an account? [Login here](#)'.

2) Login Form:

In that form user have login with username and password.



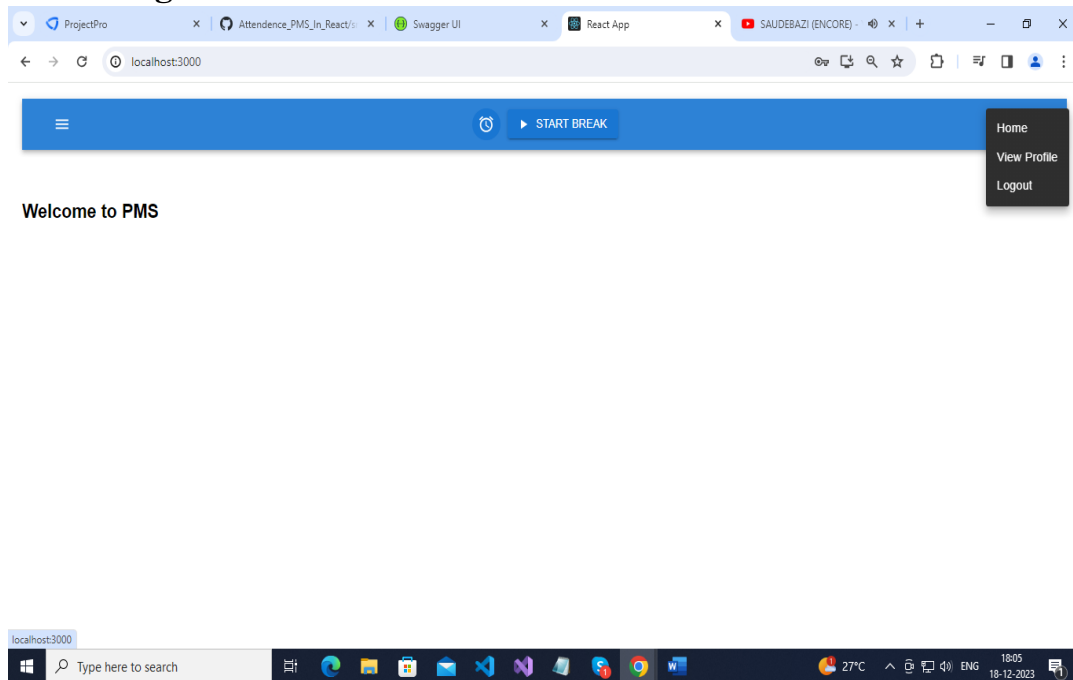
The screenshot shows a web browser window with the address bar displaying 'localhost:3000/login'. The page contains a 'Login' form with the following fields and values:

- Username: Mayur
- Password: (masked with dots)

Below the fields is a blue 'LOGIN' button. At the bottom, there are two links: 'Don't have an account? [Register here](#)' and '[Forgot Password](#)'.

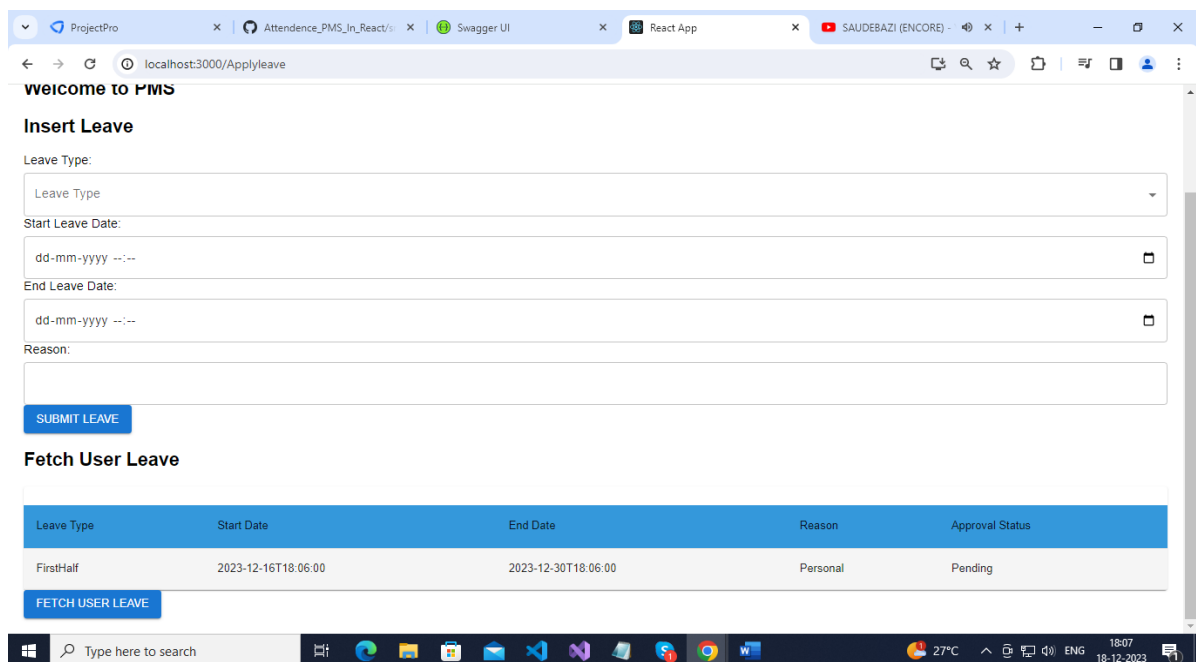
The Windows taskbar is visible at the bottom of the screen, showing the search bar, task view button, and various application icons. The system tray shows the temperature as 27°C, the time as 18:05, and the date as 18-12-2023.

3) Home Page-



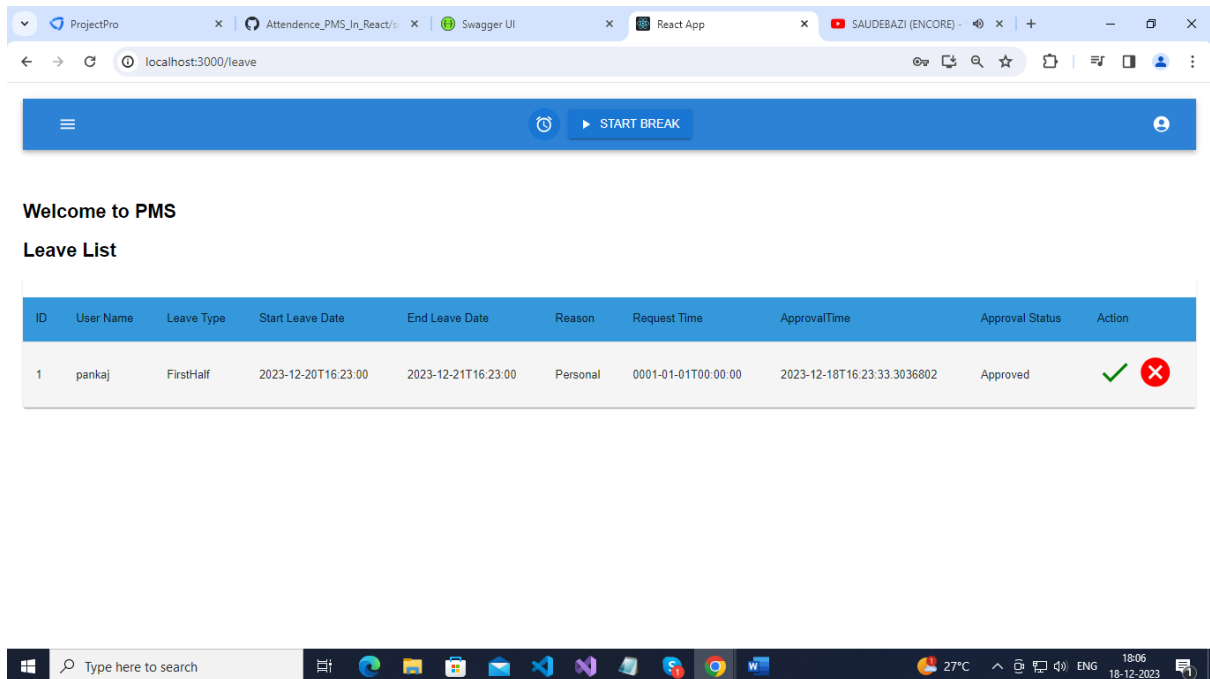
4) Leave Application :

In that form user Successfully apply for leave.





5) Leave Approved form :

This form is leave Approved Form this form access only for HR or Admin to Approved User leave.



The screenshot displays a web browser window with multiple tabs. The active tab is 'React App' showing a web application running on 'localhost:3000/leave'. The application has a blue header bar with a menu icon, a clock icon, a 'START BREAK' button, and a user profile icon. Below the header, the text 'Welcome to PMS' is followed by 'Leave List'. A table with 10 columns is shown, containing one row of data for a leave request by 'pankaj'.

ID	User Name	Leave Type	Start Leave Date	End Leave Date	Reason	Request Time	ApprovalTime	Approval Status	Action
1	pankaj	FirstHalf	2023-12-20T16:23:00	2023-12-21T16:23:00	Personal	0001-01-01T00:00:00	2023-12-18T16:23:33.3036802	Approved	 

The Windows taskbar at the bottom shows the search bar, taskbar icons, system tray with temperature (27°C), and date/time (18-12-2023, 18:06).

6) User Profile:

This form containing currently login user information .

localhost:3000/UserProfile

START BREAK

Welcome to PMS

User Profile

EDIT PROFILE

ID	1
User Name	Mayur
Mobile No	9923428304
City	Mumbai
Email	mayurunval9@gmail.com
Password	Mayur@123
Role	Admin

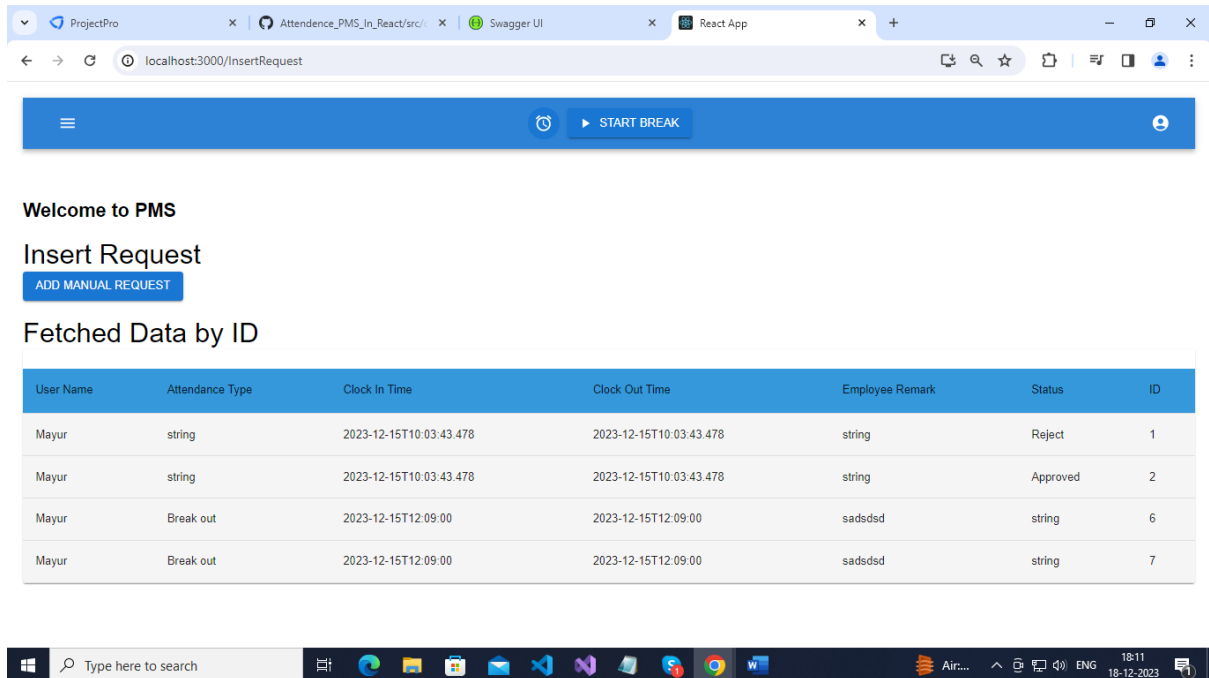
localhost:3000/UserProfile Admin

Type here to search

27°C 18:06 18-12-2023

7) Insert Manual Request :

In this form user apply manual request when after he/she forgot click on clockin time , clockout time , startbreak or finishbreak in that case user apply manual request to Admin.



The screenshot displays a web application interface for a PMS (Project Management System). The browser's address bar shows the URL `localhost:3000/InsertRequest`. The application has a blue header bar with a menu icon, a clock icon, a `START BREAK` button, and a user profile icon.

Below the header, the text `Welcome to PMS` is displayed, followed by the `Insert Request` title and an `ADD MANUAL REQUEST` button.

The section `Fetch Data by ID` contains a table with the following data:

User Name	Attendance Type	Clock In Time	Clock Out Time	Employee Remark	Status	ID
Mayur	string	2023-12-15T10:03:43.478	2023-12-15T10:03:43.478	string	Reject	1
Mayur	string	2023-12-15T10:03:43.478	2023-12-15T10:03:43.478	string	Approved	2
Mayur	Break out	2023-12-15T12:09:00	2023-12-15T12:09:00	sadsdsd	string	6
Mayur	Break out	2023-12-15T12:09:00	2023-12-15T12:09:00	sadsdsd	string	7

The Windows taskbar at the bottom shows the system time as 18:11 on 18-12-2023.

8) Approved Manual Request:

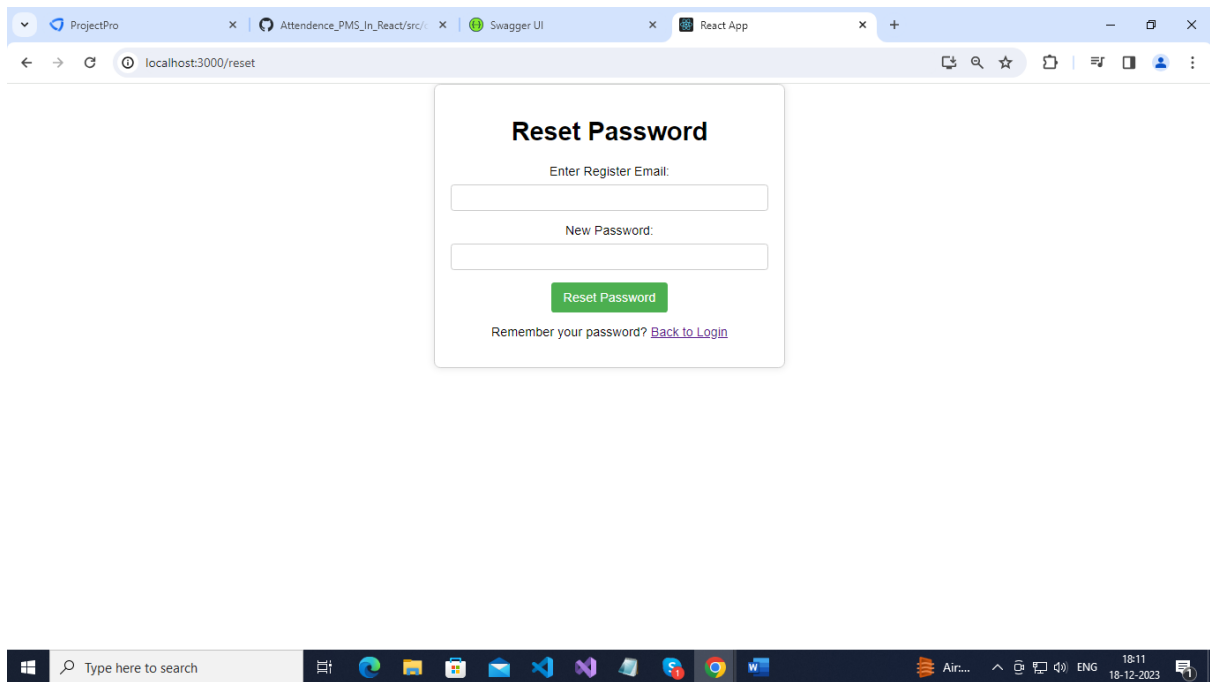
This form is accessible only for Admin or Hr in that form Hr Approved or reject manual request of user.

The screenshot shows a web browser window with the URL `localhost:3000/ManualRequest`. The browser has several tabs open: ProjectPro, Attendance_PMS_In_React/src/, Swagger UI, and React App. The application interface has a blue header bar with a menu icon, a clock icon, a 'START BREAK' button, and a user profile icon. Below the header, the text 'Welcome to PMS' is displayed. The main section is titled 'Manual Requests' and contains a list of three requests. Each request card displays the following information: User Name, Attendance Type, Clock In Time, Clock Out Time, Employee Remark, Status, and ID. The first two requests are for 'Mayur' with a status of 'Reject' and 'Approved' respectively. The third request is for 'pankaj' with a status of 'Approved'. Each card has an 'UPDATE STATUS' button and a 'Status' dropdown menu.

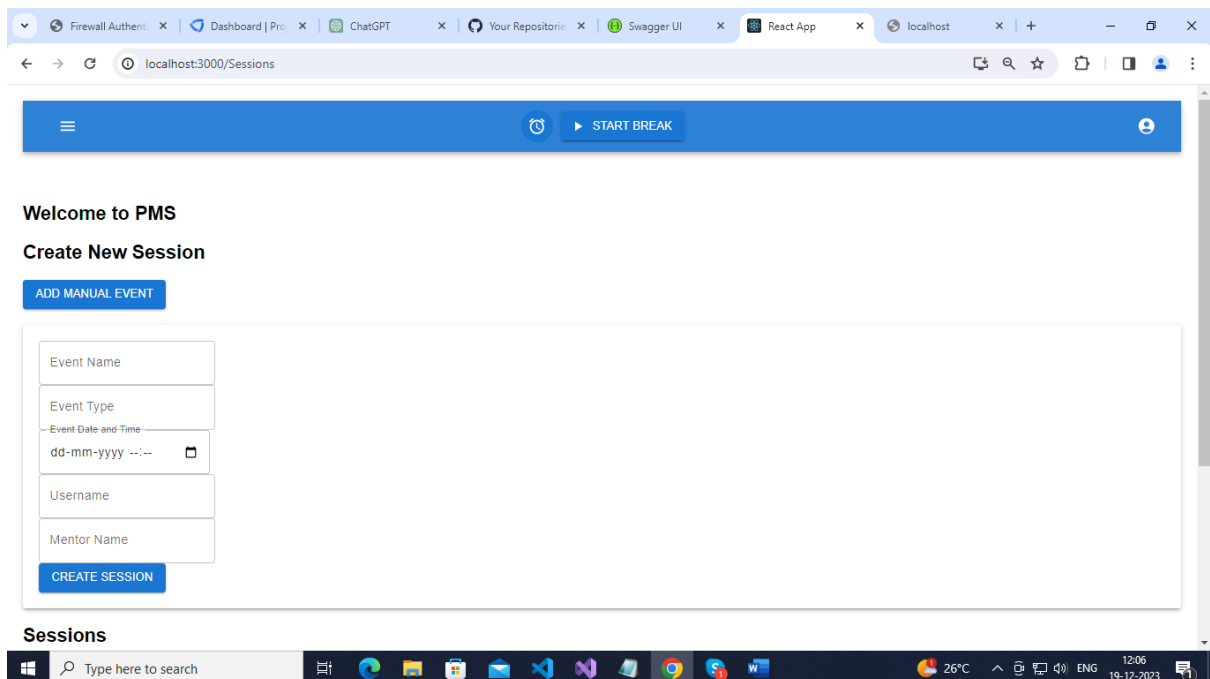
User Name	Attendance Type	Clock In Time	Clock Out Time	Employee Remark	Status	ID
Mayur		2023-12-15T10:03:43.478	2023-12-15T10:03:43.478		Reject	1
Mayur		2023-12-15T10:03:43.478	2023-12-15T10:03:43.478		Approved	2
pankaj		2023-12-15T16:59:00			Approved	

9) Password Reset :

In that form User can Reset hir password with register email.

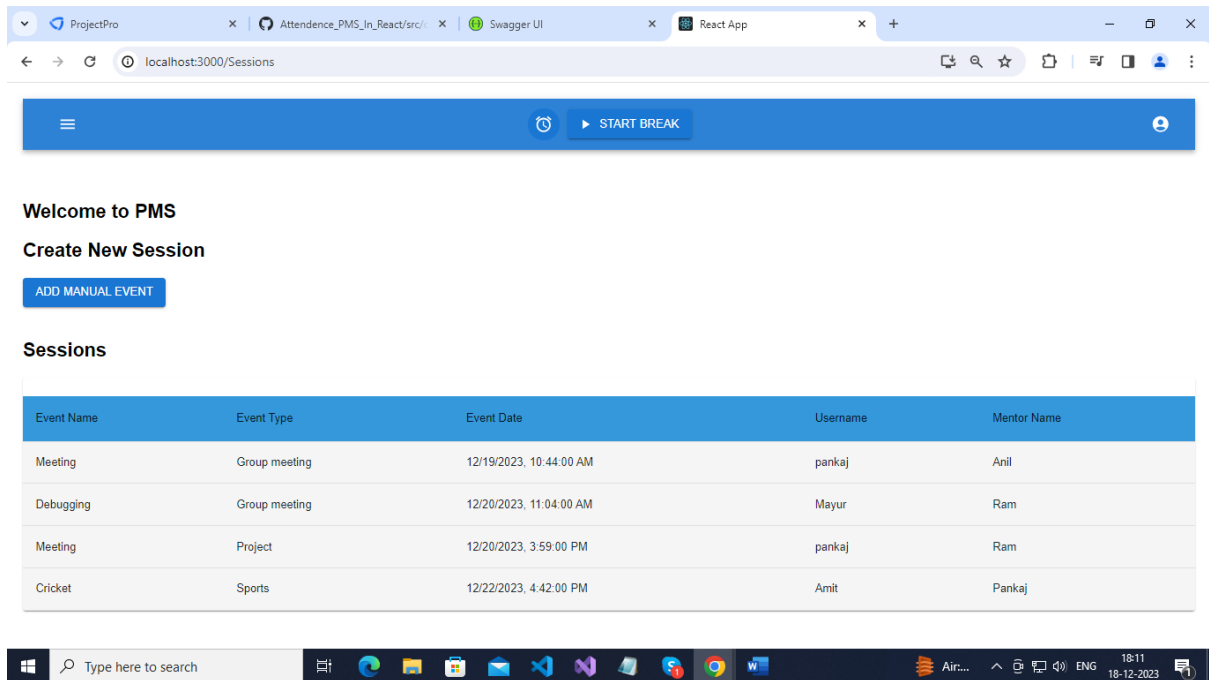


10) Insert Event :
In that form HR And Admin insert event for user and also delete functionality is available.



11) Event History :

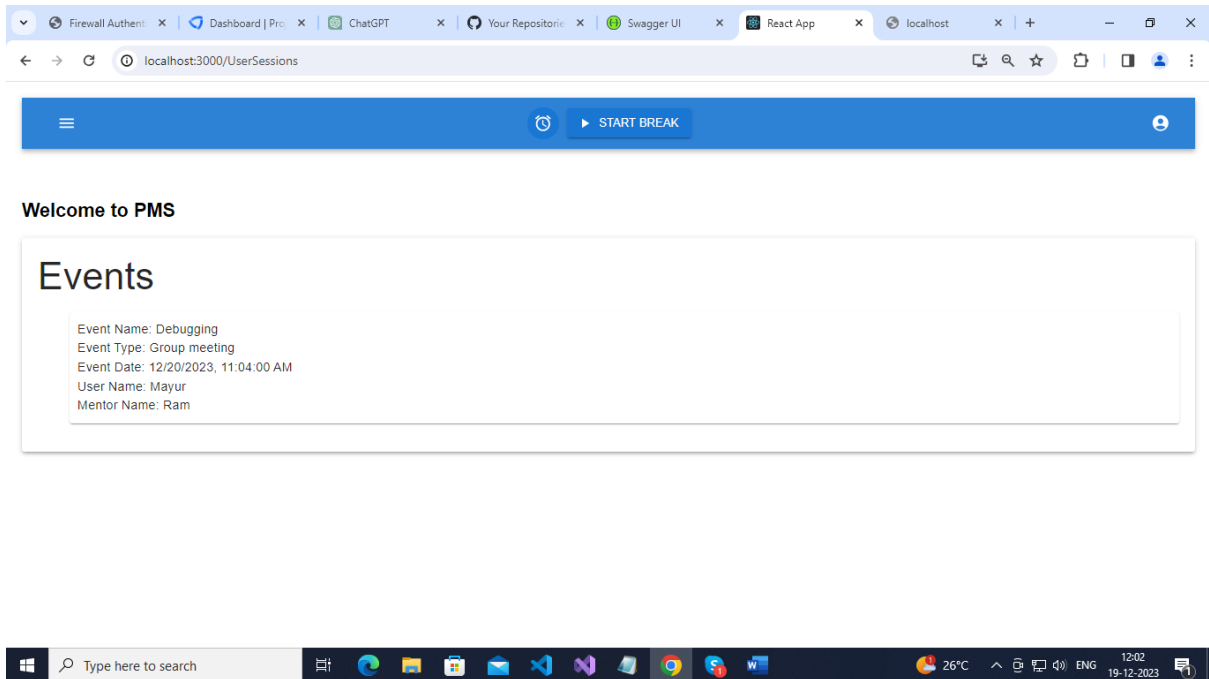
In that form all event are display to currently login user.



The screenshot shows a web browser window with the URL `localhost:3000/Sessions`. The page has a blue header bar with a menu icon, a clock icon, a `START BREAK` button, and a user profile icon. Below the header, the text `Welcome to PMS` and `Create New Session` is displayed, followed by an `ADD MANUAL EVENT` button. The main section is titled `Sessions` and contains a table with the following data:

Event Name	Event Type	Event Date	Username	Mentor Name
Meeting	Group meeting	12/19/2023, 10:44:00 AM	pankaj	Anil
Debugging	Group meeting	12/20/2023, 11:04:00 AM	Mayur	Ram
Meeting	Project	12/20/2023, 3:59:00 PM	pankaj	Ram
Cricket	Sports	12/22/2023, 4:42:00 PM	Amit	Pankaj

The Windows taskbar at the bottom shows the search bar and various application icons. The system tray on the right indicates the time as 18:11 on 18-12-2023.



The screenshot shows a web browser window with the URL `localhost:3000/UserSessions`. The page has a blue header bar with a menu icon, a clock icon, a `START BREAK` button, and a user profile icon. Below the header, the text `Welcome to PMS` is displayed. The main section is titled `Events` and contains a box with the following details:

Event Name: Debugging
Event Type: Group meeting
Event Date: 12/20/2023, 11:04:00 AM
User Name: Mayur
Mentor Name: Ram

The Windows taskbar at the bottom shows the search bar and various application icons. The system tray on the right indicates the temperature as 26°C and the time as 12:02 on 19-12-2023.

Thank You.