



Project Report
On
LEAVE MANAGEMENT SYSTEM

INT222: ADVANCED WEB DEVELOPMENT

Submitted by:

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LOVELY PROFESSIONAL UNIVERSITY

Phagwara

ONLINE LEAVE MANAGEMENT SYSTEM:

This **Online Leave Management System in Node JS project** is primarily concerned with keeping track of workers' leave activities. To be more specific, the system aids in the tracking of personnel, departments, and leave records according to available categories. In addition, the system shows all of the workers' leave histories. In addition, the system provides for the management of leave kinds and other features. Obviously, this project has an admin panel as well as an employee panel. An employee has a modest position and power over the system in this web application's overview. He or she may ask for leave and keep track of their own absences. In order to request for leave days, an employee must state specific things. Such is the sort of leave, the conditions, and the start and end dates. Aside from that, an employee may change their password and edit their profile.

The system is completely under the control of an administrator. Employees, system users, leave, departments, and so on may all be managed by him. Each part includes its own set of details, such as a name and other vital information. An administrator must initially create departments in order to sustain subsequent procedures. Second, the administrator may keep track of personnel and their personal information. Moving on to the leave types area, the user may manage the many sorts of leaves available to the company. To be more specific, this section is critical for workers who want to request for a leave of absence. In reality, while filling out the leave form, the user must choose one of the possible leave kinds. To create a new leave type, the system needs the user to fill out several

areas such as the leave name and a brief form with a short explanation.

The system, on the other hand, keeps track of the number of leave histories. In reality, the administrator may sort these data into categories like pending, authorized, and denied leaves. This whole category makes it simple to filter through employment applications. In terms of history, the system shows all of the accessible leave histories, together with the facts and status of each employee. When it comes to user administration, the administrator may easily add and manage system users by supplying information such as username, email address, and password. Furthermore, the administrator must establish the login information for each employee during the employee's management

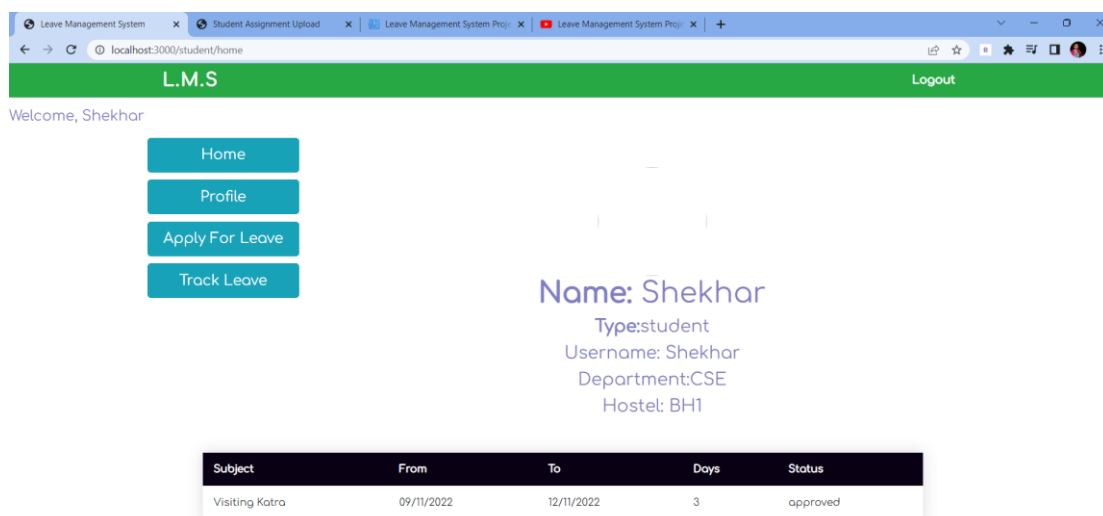
This online leave management system is an interactive leave application portal which includes Student login, HOD login and Warden Login. Student can apply leaves and view their leave status. HOD can either accept or reject the leave for student studying in his/her department. Warden can either accept or reject the leave for student living in his/her hostel.

Feature Available Leave Management System using Node JS and MongoDB

- Student Panel
- HOD Panel
- Warden Panel
- Apply for Leave
- History of Leave
- Manage Profile

Module Description :

Student panel : In the student Panel, the student can able to see the options like Home, Profile, Apply for leave and Track leave. In home option, the student can see about his information like name, type(student), Department, Username and hostel of the student. In profile option, there is an option for student to edit his details available on the website. In Apply for leave, the student can apply to his leave just by giving the reason and dates for the leave. And in track leave option, Student can track his leave whether it is approved or not.



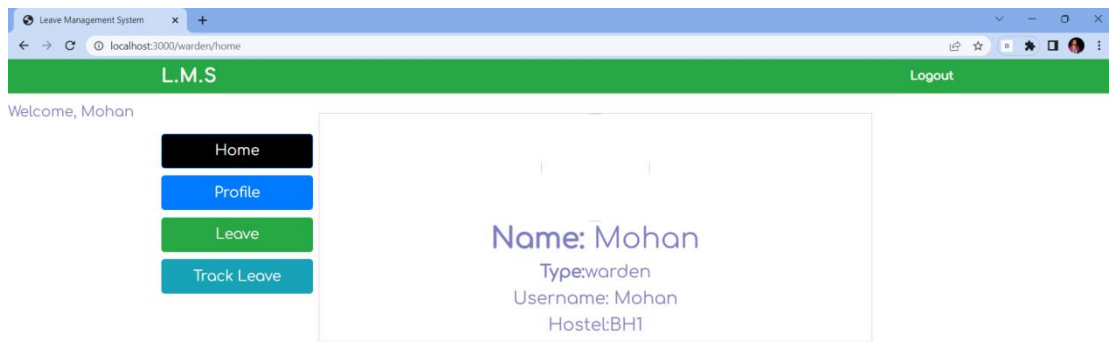
The screenshot shows a web browser window with the URL `localhost:3000/student/home`. The page has a green header with "L.M.S" and a "Logout" link. Below the header, it says "Welcome, Shekhar". On the left, there are four blue buttons: "Home", "Profile", "Apply For Leave", and "Track Leave". On the right, the user's details are displayed: "Name: Shekhar", "Type: student", "Username: Shekhar", "Department: CSE", and "Hostel: BH1". At the bottom, there is a table showing leave history.

Subject	From	To	Days	Status
Visiting Katra	09/11/2022	12/11/2022	3	approved

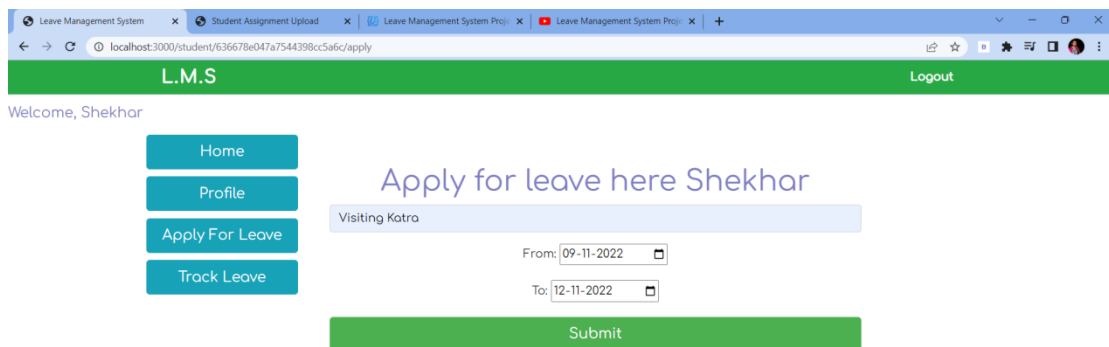
HOD Panel : In the HOD panel, HOD can able to see the options like Home, Profile and Leave options. In home option, HOD can see about the about his/her information like name, type(HOD), Department and username. In the Profile option, there is an option for HOD to edit his details available on the website. In leave option, the HOD can approve and deny the leave of the student, who is from his department.



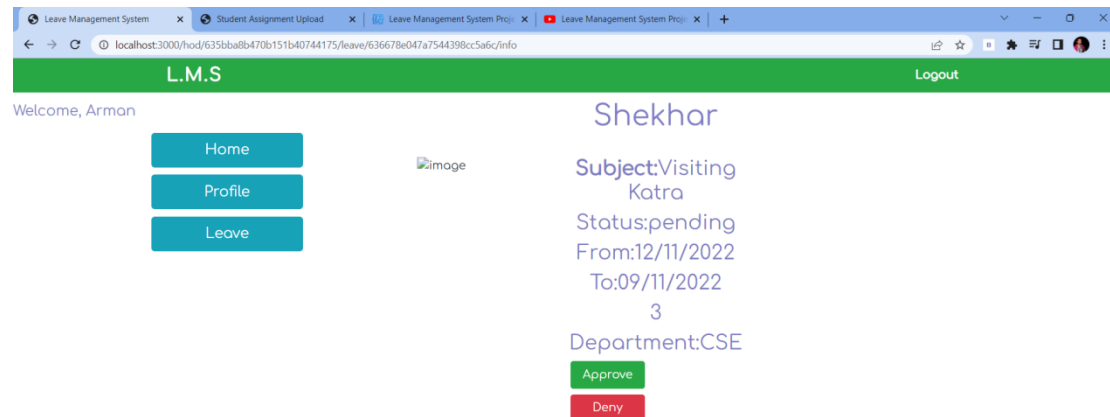
Warden Panel : In the Warden panel, Warden can able to see the options like Home, Profile and Leave options. In home option, Warden can see about the about his/her information like name, type(Warden), Department and username. In the Profile option, there is an option for Warden to edit his details available on the website. In leave option, the Warden can approve and deny the leave of the student, who is from his department.



Apply for leave : Here student can keep the reason for the leave and from one date to another date to which student wants to take the leave . Later he can submit the leave application to the respective warden and HOD and wait for their response .



History of Leave: Here the student can track the history of his/her leaves he has taken and same can be represented in the HOD and Warden records too. In Track Leave option we can see the history of the leaves that student has taken.



Leave Management System x Student Assignment Upload x Leave Management System Proj x Leave Management System Proj x

localhost:3000/hod/635bba8b470b151b40744175/leave/636678e047a7544398cc5a6c/info

L.M.S Logout

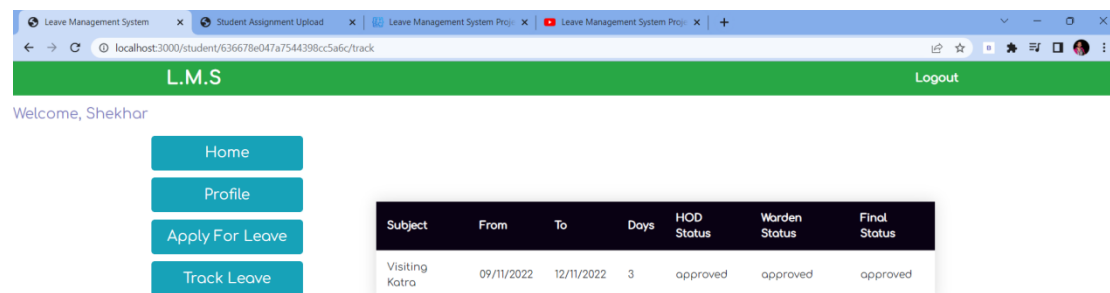
Welcome, Arman

Home Profile Leave

image

Subject:Visiting
Katra
Status:pending
From:12/11/2022
To:09/11/2022
3
Department:CSE

Approve Deny



Leave Management System x Student Assignment Upload x Leave Management System Proj x Leave Management System Proj x

localhost:3000/student/636678e047a7544398cc5a6c/track

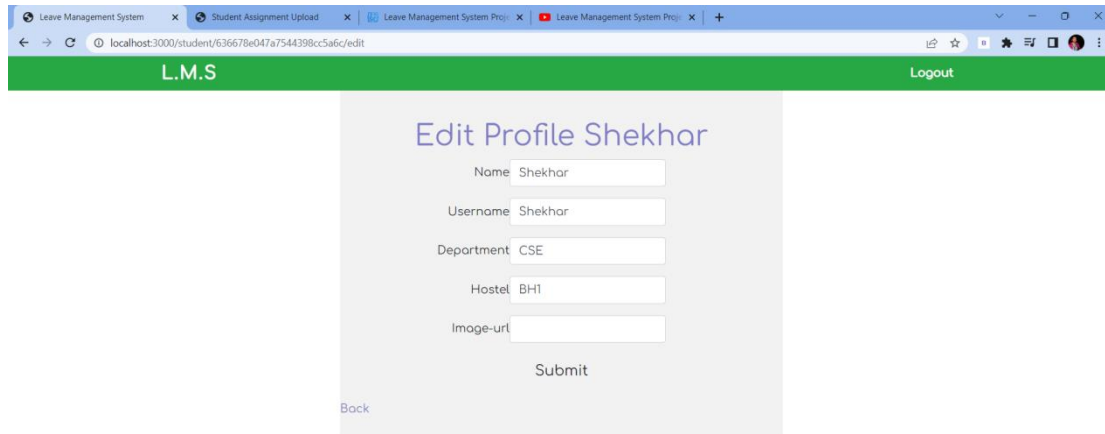
L.M.S Logout

Welcome, Shekhar

Home Profile Apply For Leave Track Leave

Subject	From	To	Days	HOD Status	Warden Status	Final Status
Visiting Katra	09/11/2022	12/11/2022	3	approved	approved	approved

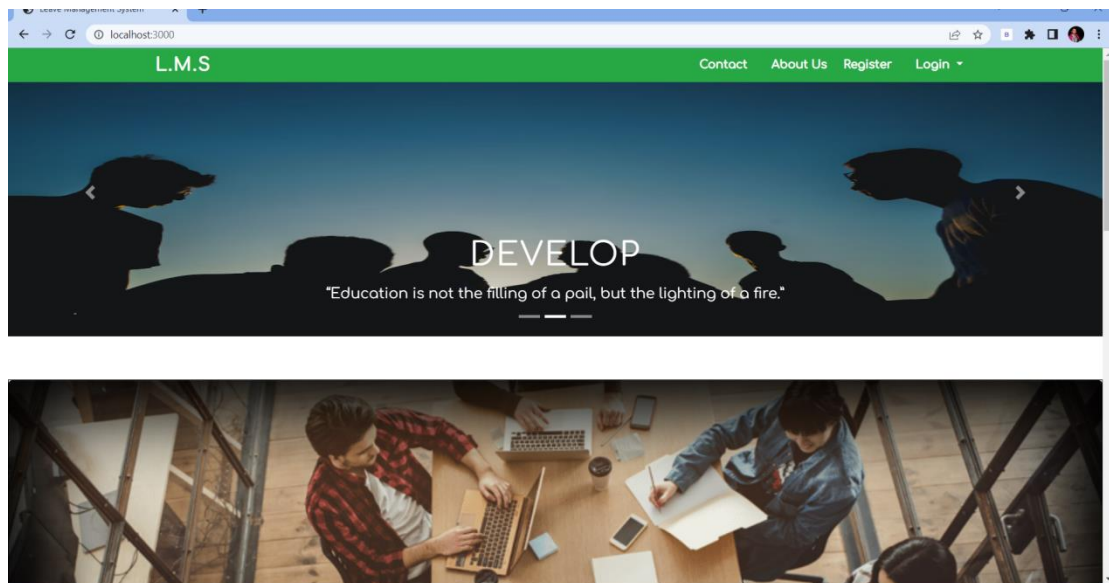
Manage Profile : In this student, HOD, warden can manage his profile from the profile Option present in the home page. Here he/she can edit the information that required to be updated.



The screenshot shows a web browser window with multiple tabs open, including 'Leave Management System' and 'Student Assignment Upload'. The address bar shows a local host URL. The page has a green header with 'L.M.S' on the left and 'Logout' on the right. The main content area is titled 'Edit Profile Shekhar' and contains a form with the following fields: 'Name' (Shekhar), 'Username' (Shekhar), 'Department' (CSE), 'Hostel' (BH1), and 'Image-url' (empty). Below the fields is a 'Submit' button. A 'Back' link is visible at the bottom left of the form area.

Screenshots :

Home page : There are four contents in the navigation panel of the home page. They are the contact, About us, Register, Login pages. There are the information about the leave management system.



Register Page : Here the student, warden and HOD can register themselves as their profession accordingly just by giving the information about them in a single click.

Leave Management System x +

localhost:3000/register

L.M.S Contact About Us Register Login

Register

Name

☐ Student ☐ HOD ☐ Warden

Username

Password

Confirm Password

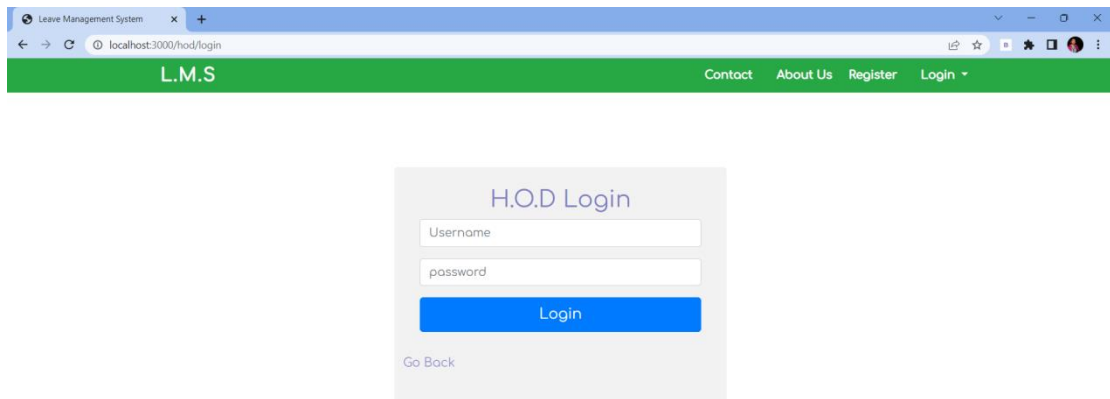
Department

Hostel

Image Url

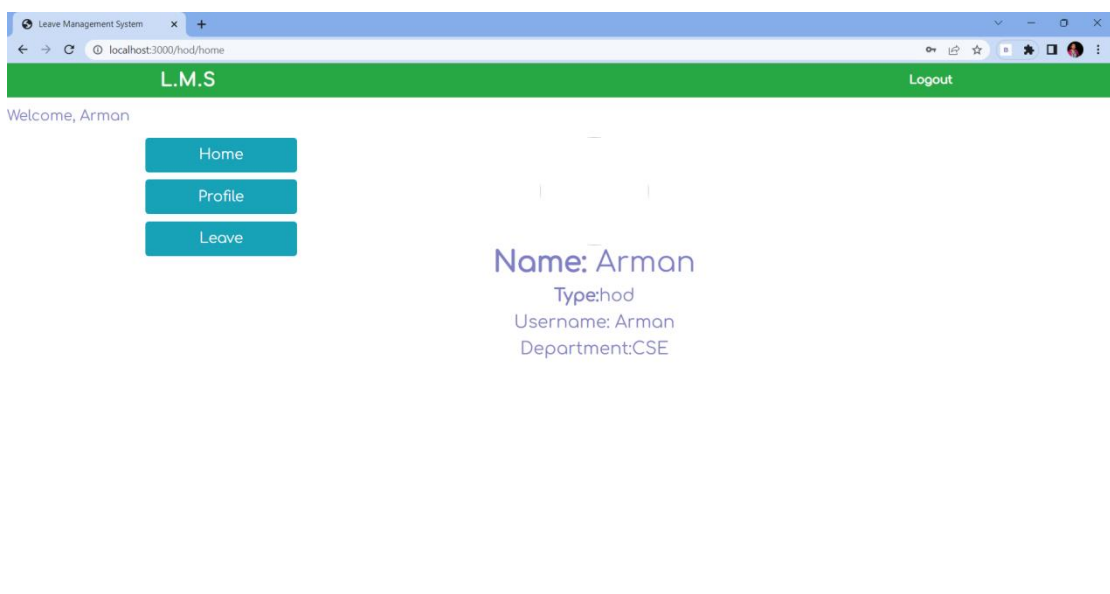
[Back](#)

Login Page : Here there are three types of Login in the login page. The HOD Login, Warden Login and Student Login. By entering the username and password he/she can login to their respective homepage.

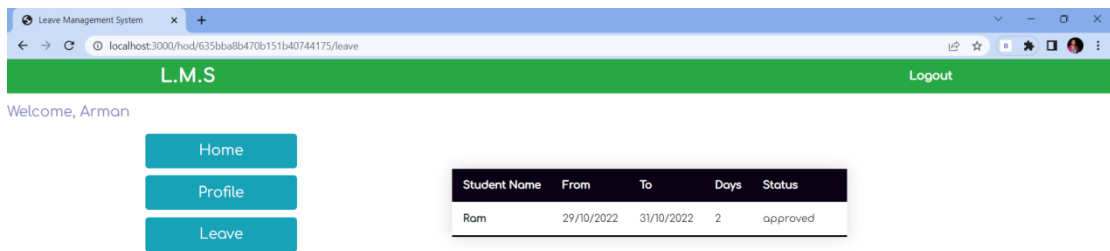


The screenshot shows a web browser window with the title "Leave Management System". The address bar shows "localhost:3000/hod/login". The page has a green header with "L.M.S" and navigation links: "Contact", "About Us", "Register", and "Login". The main content area is a light gray box titled "H.O.D Login". It contains two input fields: "Username" and "password". Below these fields is a blue "Login" button. At the bottom left of the box is a "Go Back" link.

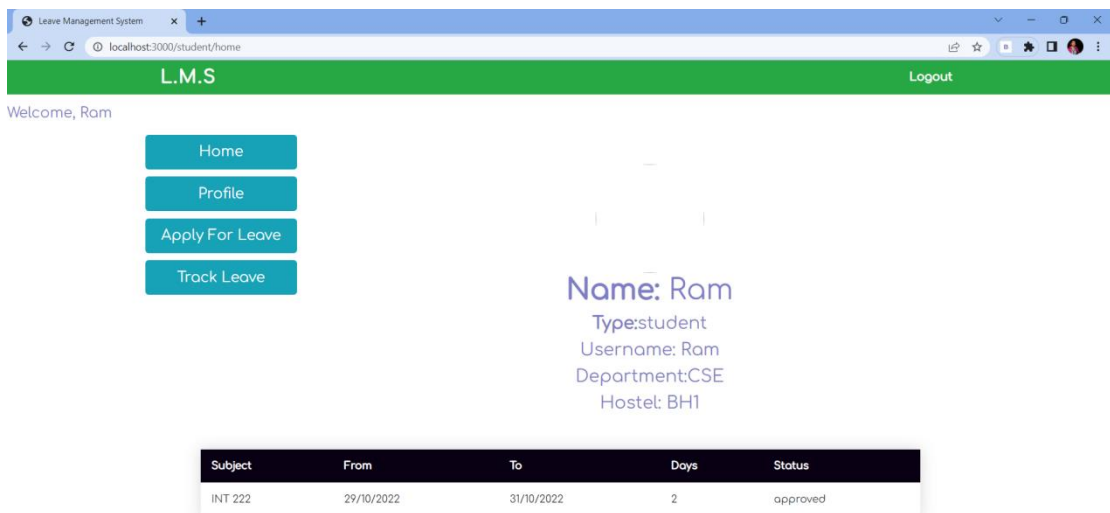
HOD Homepage: This is the homepage of HOD and there are home, Profile, and leave panels in this homepage.



The screenshot shows a web browser window with the title "Leave Management System". The address bar shows "localhost:3000/hod/home". The page has a green header with "L.M.S" and a "Logout" link. Below the header, it says "Welcome, Arman". On the left side, there are three teal buttons: "Home", "Profile", and "Leave". On the right side, there is a white box containing the text: "Name: Arman", "Type: hod", "Username: Arman", and "Department: CSE".



Student Homepage : This is the homepage of student . There is an extra option for student to tract the leave and apply for the leave.



Student Apply for leave : Here student can keep the reason for the leave and from which date to which date.

Leave Management System x +

localhost:3000/student/635bb92e470b151b4074413c/apply

L.M.S Logout

Welcome, Ram

- Home
- Profile
- Apply For Leave
- Track Leave

Apply for leave here Ram

subject

From: dd-mm-yyyy

To: dd-mm-yyyy

Submit

Warden Homepage:

Leave Management System x +

localhost:3000/warden/home

L.M.S Logout

Welcome, Mohan

- Home
- Profile
- Leave
- Track Leave

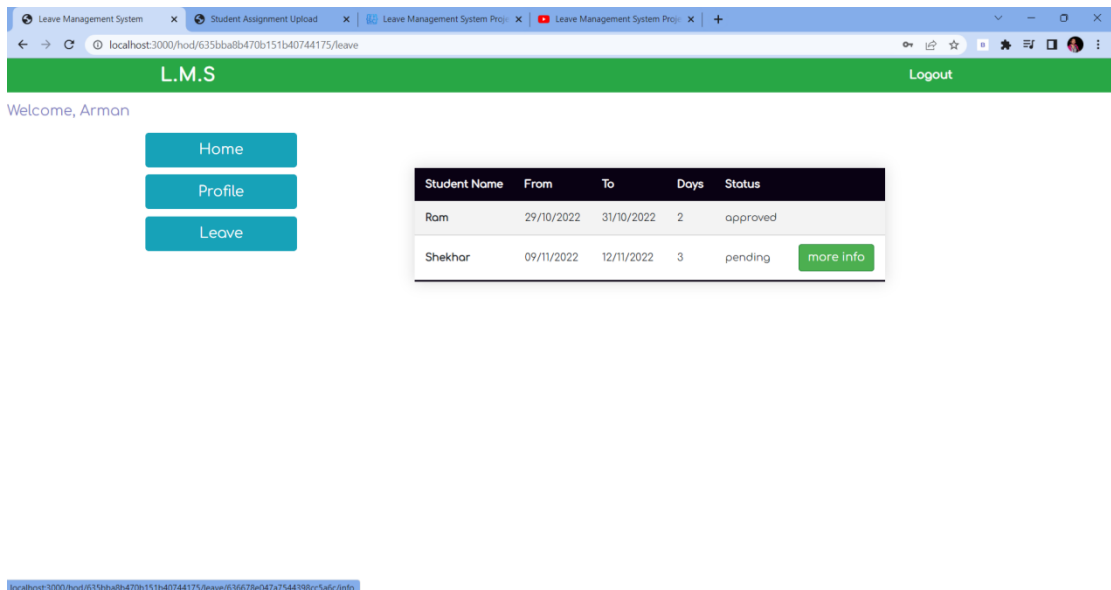
Name: Mohan

Type: warden

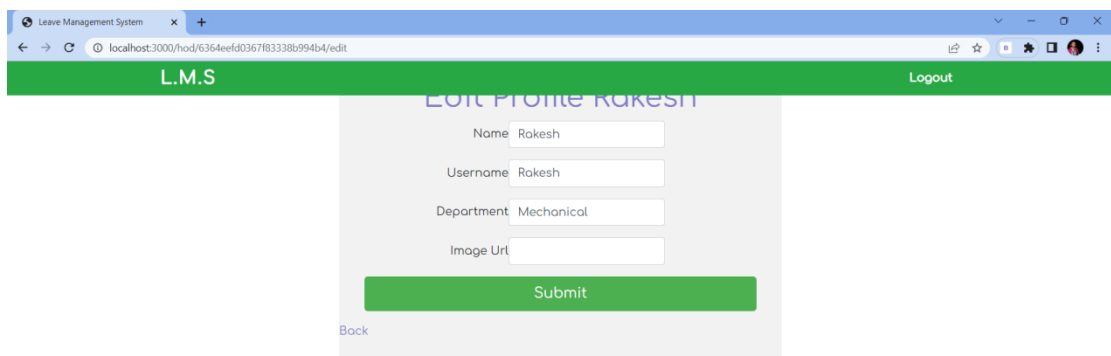
Username: Mohan

Hostel: BH1

Here warden can approve his hostel student approval and denying the leave by clicking on the more info in the below snapshot.



Here anybody can edit the information regarding to them and update it accordingly.



Summary:

This Online Employee Leave Management System in Node JS MongoDB project is primarily concerned with keeping track of leave activities. The system aids in the tracking of personnel, departments, and leave records according to available categories. In order to request for leave days, an student must state specific things such as the sort of leave, the conditions, and the start and end dates. Administrators must first create departments, then manage personnel and their personal information. This is critical for workers who want to request a leave of absence.

The system needs the user to fill out several areas such as the leave name and a brief form with a short explanation. In terms of history, the system shows all of the accessible leave histories, together with the facts and status of each student.

GithubLink:

<https://github.com/Rajashekhar31/Leave-Management-System-NodeJs.git>