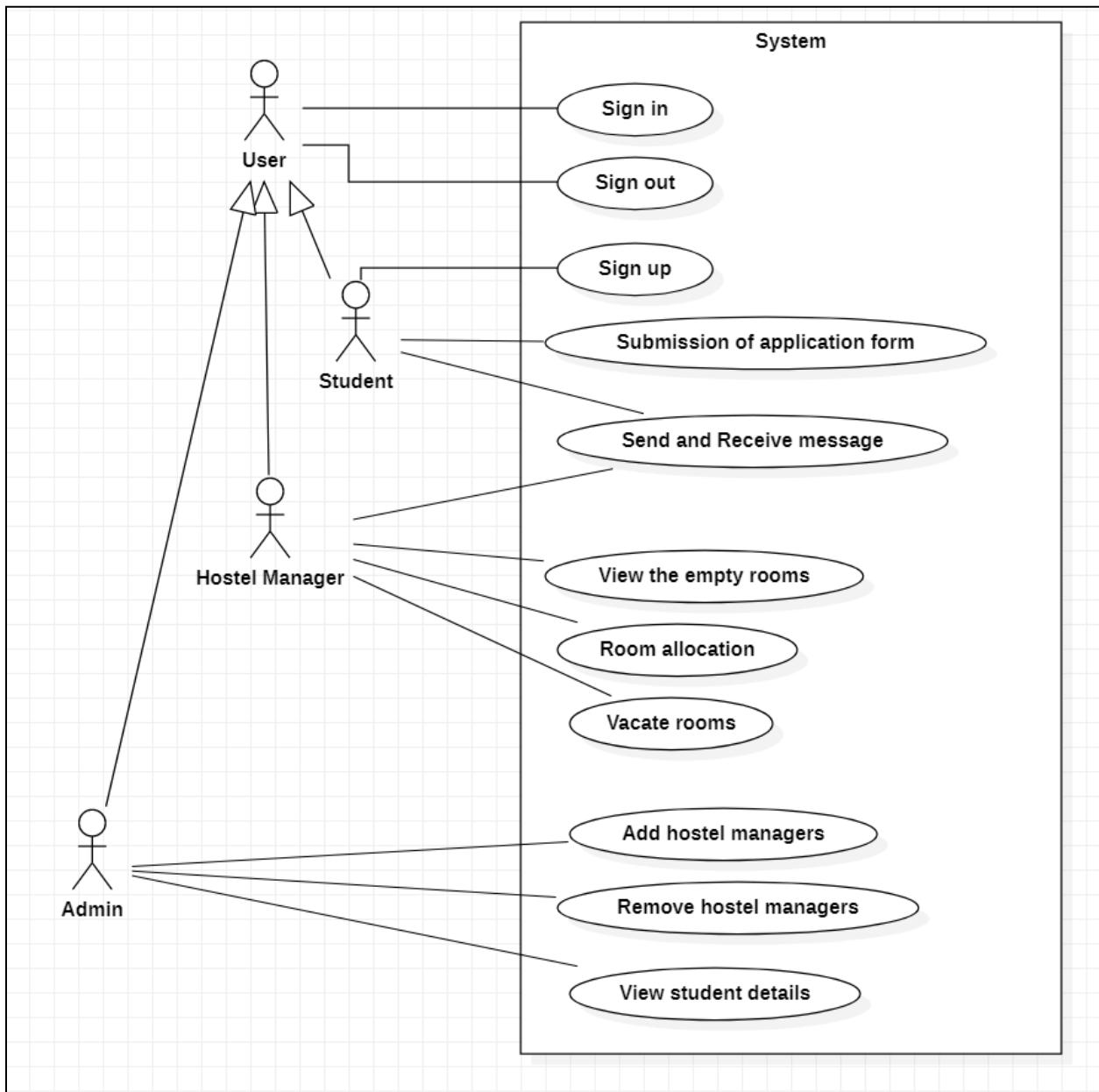


CS4042D WEB PROGRAMMING

Project - Phase 1

Use Case Diagram :



Use Cases :

Use Case #1 (Sign up - U1)

Name - Masina Sai Bhargav Teja

Preconditions - The user shall belong to the university in which he is applying for the hostel.

Post conditions - The user will be able to log in to the system.

Actors – Students.

Flow of Events

1. Basic flow of events

- The user opens the website.
- system prompts User to Sign Up or Sign In - User presses the sign up button.
- system asks the user to enter information - User enters their roll no,username, phone number, year of study,department,password, and email information.
- system sends user information to his or her email for confirmation - User verifies and the registration is successful.

2. Alternate flow of events

- If one of the required fields (user name,roll no, password, e-mail) in the signup page does not meet the requirements, a warning message will be shown by the system to correct.
- If all the required fields are properly filled, the system redirects the user to the sign in page.

Use Case #2 (Sign in - U2)

Name - Suddala Varun

Preconditions - The user shall be able to sign into the system.

Postconditions - The user will be able to use the system.

Actors - Student, Hostel Manager, Admin.

Flow of Events

1. Basic flow of events
 - User opens the app.
 - App prompts User to Sign Up or Sign In - User presses the sign in button.
 - App asks user to enter information - User enters their roll no/username,password.
2. Alternate flow of events
 - If one of the required fields (user name/roll no, password,l) in the sign in page do not meet the requirements, a warning message will be shown by the system to correct.
 - If all the required fields are properly filled, the system redirects the user to the homepage.

Use Case #3 (Sign out - U3)

Name - Masina Sai Bhargav Teja

Preconditions - The user must be logged in to the system.

Post conditions - The user will be able to leave the system.

Actors - Student, Hostel manager, Admin

Flow of Events

1. Basic flow of events
 - User presses the sign out button on the site.
 - System logs out the user and loads the signup/sign in page

Use Case #4 (Submission of application form - U4)

Name - Challa Saketh

Preconditions - The user must be logged in to the system.

Post conditions - The user application form will be submitted to the hostel manager.

Actors - Student

Flow of Events

1. Basic flow of events

- User views the availability of hostels.
- User selects a hostel.
- System asks to enter the details of student.
- System asks to enter the password.

2. Alternate flow of events

- If all required details are filled properly the application form is sent to the hostel manager.
- If all the required fields are not filled properly then the system prompts the warning message to enter details again correctly.

Use Case #5 (Send and Receive messages - U5)

Name - Sudala Varun

Preconditions - The user must be logged into the system.

Post conditions - The users will be able to communicate with each other.

Actors - Student, Hostel Manager

Flow of Events

1. Basic flow of events

- The message page will be loaded.
- The user types the content of the message.
- User presses the send button to send the message content.
- The message content will be stored and viewed in the message panel.
- The recipient views the message and replies if needed.

Use Case #6 (View Empty Rooms - U6)

Name - Challa Saketh

Preconditions - The user must be logged into the system.

Post conditions - The user will be able to view the available rooms.

Actors - Hostel Manager

Flow of Events

1. Basic flow of events

- User clicks on empty rooms buttons.
- System displays the rooms that have vacancy.

Use Case #7 (Room Allocation - U7)

Name - Challa Saketh

Preconditions - The user shall must be logged into the system.

Post conditions - The user allots the students.

Actors - Hostel Manager

Flow of Events

1. Basic flow of events

- User receives the application forms from students.
- System shows whether there is vacancy in rooms.
- User allocates the student in the case of vacancy in rooms.
- User rejects and messages to choose another if the rooms are occupied.

Use Case #8 (Vacate rooms - U8)

Name - Suddala Varun

Preconditions - The user must be logged into the system .

Post conditions - The user successfully removes the students from room.

Actors - Hostel manager

Flow of Events

1. Basic flow of events

- User selects the students from room to be vacated.
- User confirms by clicking on vacate button.
- System sends the request to students to vacate room.

Use Case #9 (Add Hostel Managers - U9)

Name - Moturu Manogna

Preconditions - The user must be admin and logged into the system.

Post conditions - Extra hostel managers are added to the system.

Actors - Admin

Flow of Events

1. Basic flow of events

- System asks for the details of the new hostel manager to be added.
- User fills all the required details like name,phone no,hostel number,mail.
- User clicks on the submit button.

2. Alternate flow of events

- If one of the required fields (name,phone no,hostel number, e-mail) in the page do not meet the requirements, a warning message will be shown by the system to correct.

- If all the required fields are properly filled, the system adds the manager and redirects the user to the homepage.

Use Case #10 (Remove hostel managers - U10)

Name - Moturu Manogna

Preconditions - The user must be admin and logged into the system.

Post conditions - Hostel managers are removed from the system.

Actors - Admin

Flow of Events

1. Basic flow of events

- System asks for the details of the new hostel manager to be removed.
- User fills all the required details like username, mail and admin password.
- User clicks on the submit button.

2. Alternate flow of events

- If one of the required fields in the page do not meet the requirements, a warning message will be shown by the system to correct.
- If all the required fields are properly filled, the system removes the manager and redirects the user to the homepage.

Use Case #11 (View student details - U11)

Name - Moturu Manogna

Preconditions - The user must be admin and logged into the system.

Post conditions - Student details are displayed to the user.

Actors - Admin

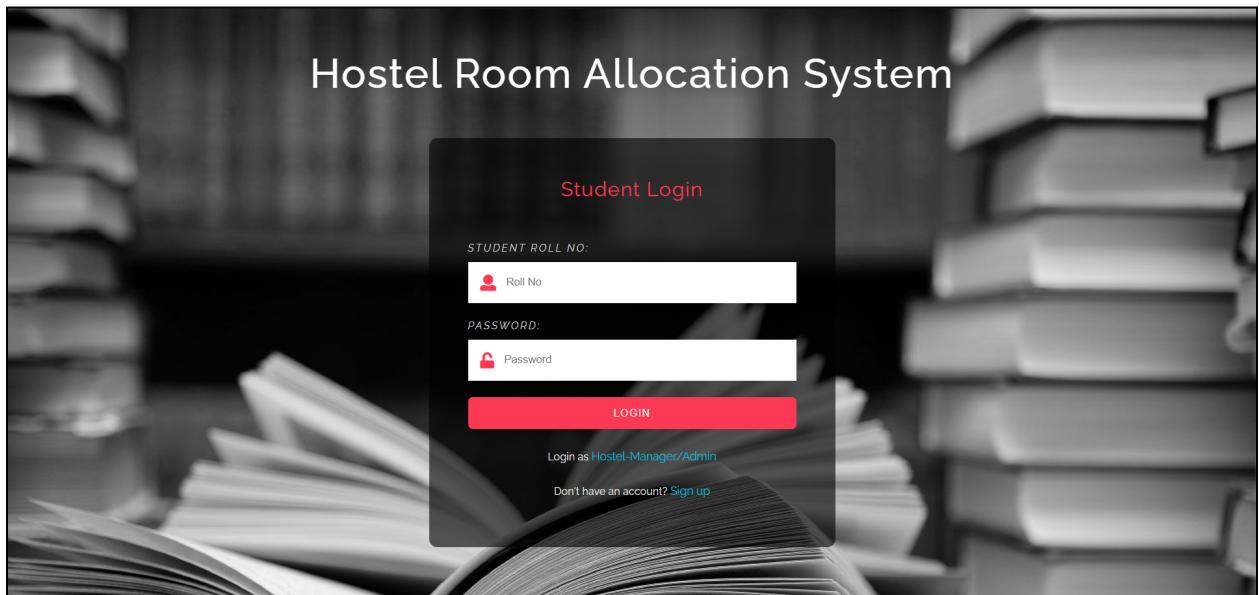
Flow of Events

1. Basic flow of events

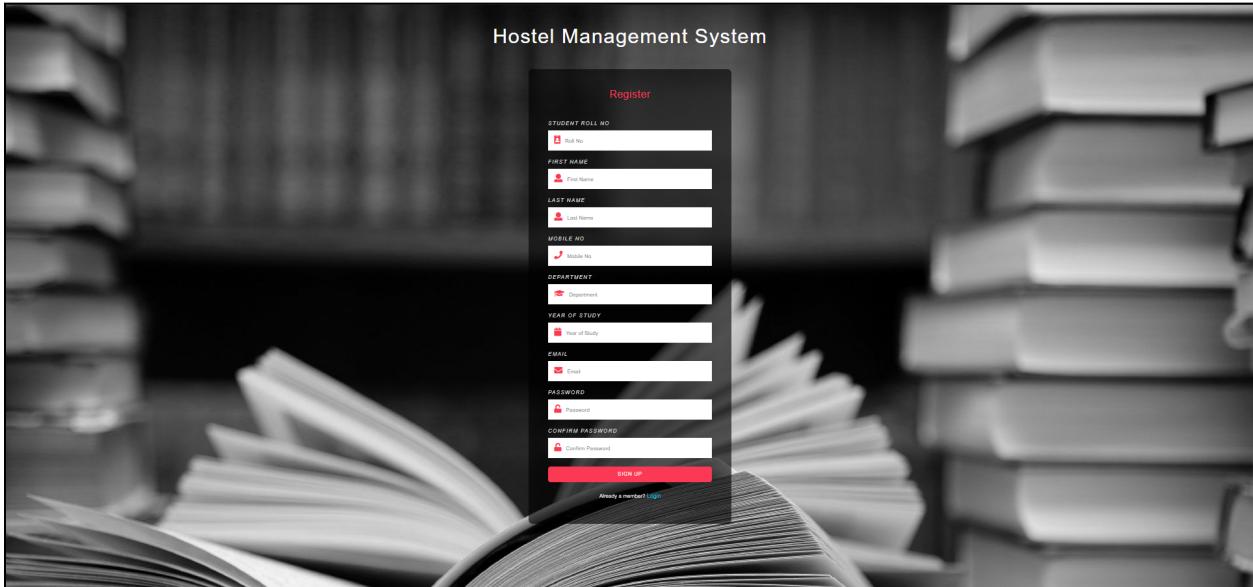
- User clicks on the student information button.
- System displays all the students who are registered with system and their details including their room allocation status.

UI Screens :

Login



SignUp



Hostel Application

A screenshot of a web-based application form titled "Application Form" for "NITC". The top navigation bar includes links for "Home", "Hostels", "Contact", "Message Received", and a dropdown menu for "B19O161CS". The main form area contains four input fields: "Name" (Saketh Ch), "Hostel No." (B19O161CS), "Department" (D), and "Password". To the right of these fields is a larger text area labeled "Message..." with placeholder text "Message...". At the bottom right of the form is a red "Click To Apply" button.

Personal Information

The screenshot shows a dark-themed web application interface. At the top left is the NITC logo. To its right are navigation links: Home, Hostels, Contact, and Logout. Below these are three small icons: a list, a folder, and an envelope. The main content area has a dark gray background. At the top of this area, the text "PERSONAL INFO" is displayed in blue. Below it, there is a large black icon of a person's head and shoulders. To the right of the icon, the student's name "SAKETH CH" is shown in white, followed by the word "Student" in a smaller font. A horizontal line separates this from the contact information. The details listed are: Roll No : B19016CS, PHONE : 8688524646, DEPARTMENT: CSE, Email-id : challa.b19016cs@nitc.ac.in, YEAR OF STUDY : 4.

Hostel Info

The screenshot shows the same dark-themed web application interface as the previous page. At the top left is the NITC logo. To its right are navigation links: Home, Hostels, Contact, and Logout. Below these are three small icons: a list, a folder, and an envelope. The main content area has a dark gray background. At the top of this area, the text "HOSTEL INFO" is displayed in blue. Below it, there is a large black icon of a house. To the right of the icon, the student's name "SAKETH CH" is shown in white, followed by the word "Hostel" in a smaller font. A horizontal line separates this from the accommodation details. The details listed are: HOSTEL : None, ROOM NO : None.

Hostel Manager Info

The screenshot shows a dark-themed web application interface. At the top left is a logo box containing "NITC". To its right are navigation links: Home, Hostels, Contact, and Logout. Below these are three small icons: a list, a folder, and an envelope. The main content area has a dark gray background. At the top of this area, the text "HOSTEL MANAGER INFO" is displayed in a light blue font. Below this, there is a large black icon of a person's head and shoulders. To the right of the icon, the text "NONE" is displayed above "Hostel Manager". Underneath this, there is a horizontal line. Below the line, the text "PHONE : none" and "Email : none" is shown. The overall theme is minimalist and modern.

Room Allocation

The screenshot shows a web application interface with a dark header bar. In the header, from left to right, are the "NITC" logo, "Home", "Allocate Rooms", "Messages Received", "Rooms", "Contact", and a dropdown menu showing "hmuser2". Below the header is a search bar with the placeholder "Search by Roll Number" and a red "Search" button. The main content area has a white background. At the top, the text "Applications Received" is centered. Below this is a table with four columns: "Student Name", "Student ID", "Hostel", and "Message". A dark gray footer bar at the bottom of the table displays the message "No Rows Returned". At the very bottom of the page, there are two red buttons: "Allocate All" on the left and "Reject All" on the right.

Vacate Room

The screenshot shows a web application interface for vacating a room. At the top, there is a navigation bar with the NITC logo and links for Home, Allocate Rooms, Messages Received, Rooms (with a dropdown arrow), Contact, and hmuser2 (with a dropdown arrow). Below the navigation bar, the page title "Vacate Form" is displayed. The main content area contains three input fields: "Roll Number", "Name", and "Room Number". To the right of these fields is a red button labeled "Click To Vacate".

Appoint Hostel Manager

The screenshot shows a web application interface for appointing a hostel manager. At the top, there is a navigation bar with the NITC logo and links for Home, Manage Hostel Managers, Students, Hostel Managers, and matmurdock (with a dropdown arrow). A modal window titled "APPOINT HOSTEL MANAGER" is open in the center. The modal contains several input fields: "USERNAME", "FIRST NAME", "LAST NAME", "MOBILE NO.", "HOSTEL NAME", "HOSTEL MANAGER'S PASSWORD", and "CONFIRM HOSTEL MANAGER'S PASSWORD". At the bottom of the modal is a blue "Submit" button.

Remove Hostel Manager

NITC

Home Manage Hostel Managers Students Hostel Managers matmurdock ▾

✓ ✕

REMOVE HOSTEL MANAGER

USERNAME
HOSTEL NAME
ADMIN PASSWORD

Submit

Database Schema :

