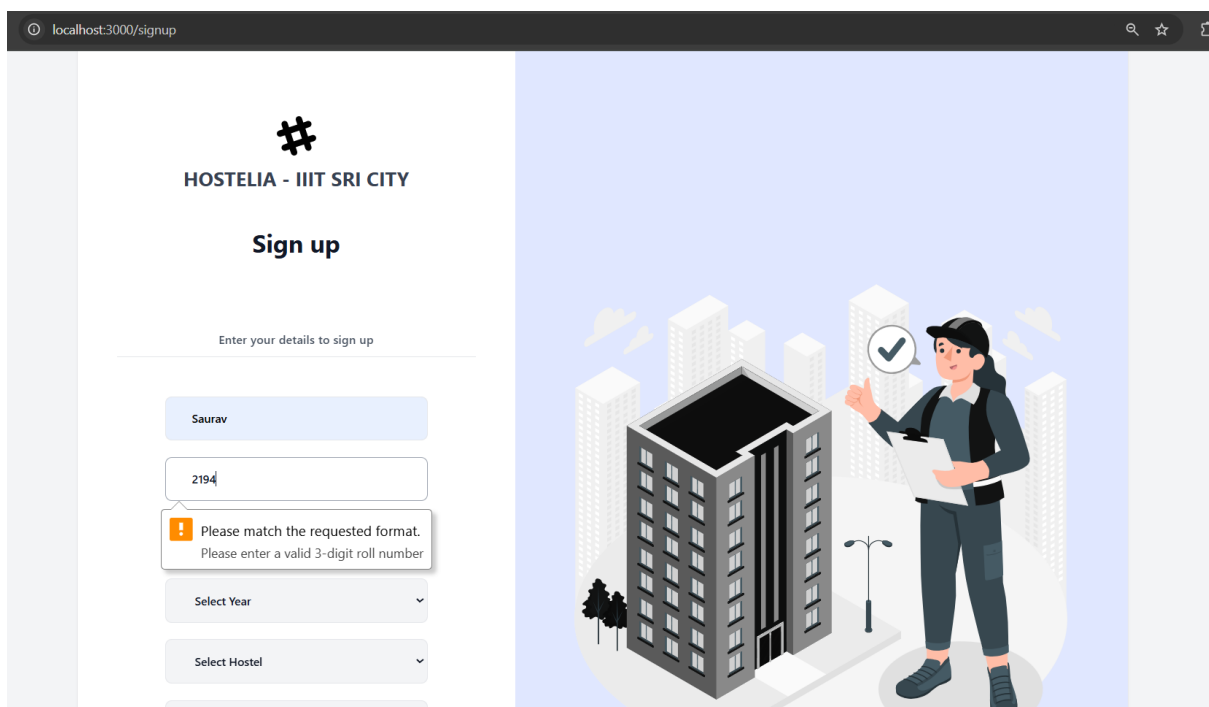


# Validations

## -> Sign Up

- Roll Number (input name likely `rollNo`)
  - Validation: must be a 3-digit number (e.g., 219)
  - Error shown: "Please match the requested format. Please enter a valid 3-digit roll number"
- Negative test: 2194 → shows browser validation tooltip
- Positive test: 219 → accepted, moves focus



- Email
  - Validation: must end with `@iiits.in`
  - Error banner shown: "Email must end with @iiits.in!"
  - Negative test: example@gmail.com → shows banner message
  - Positive test: name.s23@iiits.in → accepted

localhost:3000/signup

#  
HOSTELIA - IIIT SRI CITY

Sign up

Enter your details to sign up  
Email must end with @iiits.in!

Saurav

219

example@gmail.com

UG-3

BH-3

117

- Year/Hostel/Room/Password Matching
- Password and confirm password fields must be same .
- On missing values, browser "Please fill out this field" tooltip is shown

localhost:3000/signup

#  
HOSTELIA - IIIT SRI CITY

Sign up

Enter your details to sign up  
Passwords do not match!

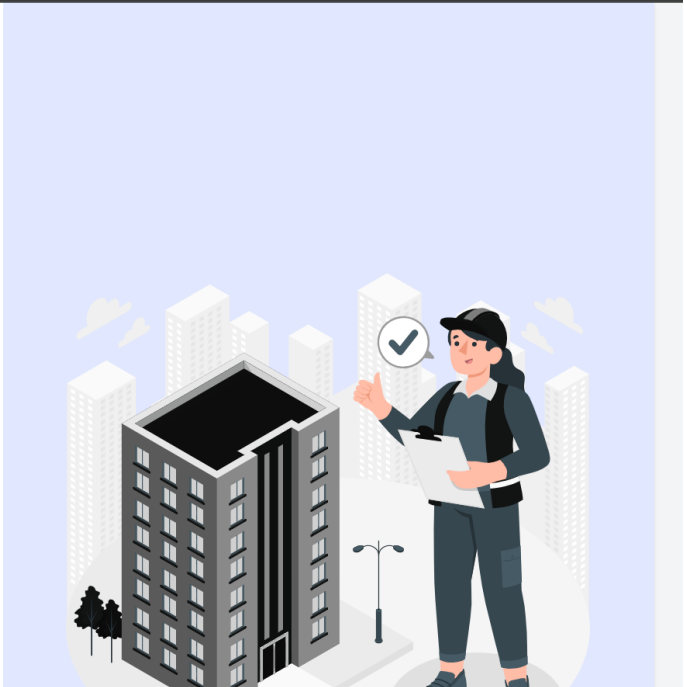
Saurav

219

saurav.s23@iiits.in

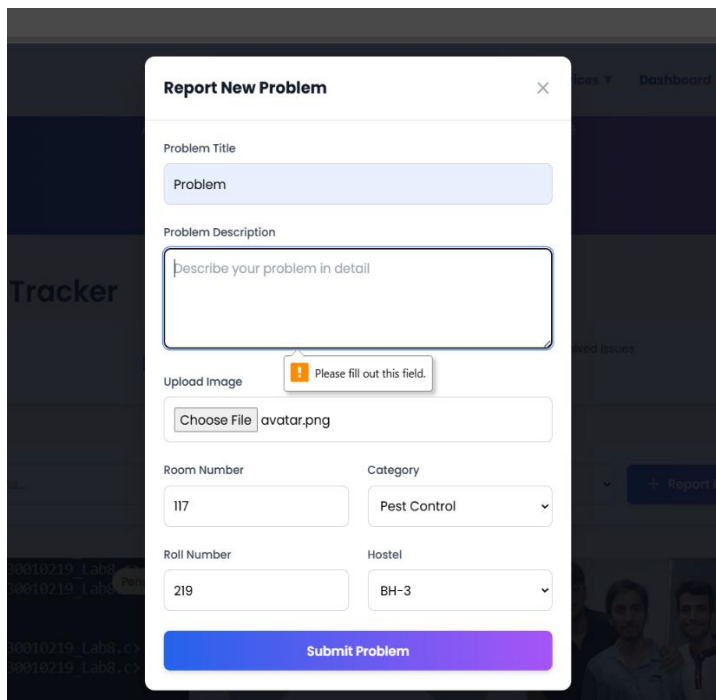
UG-3

BH-3

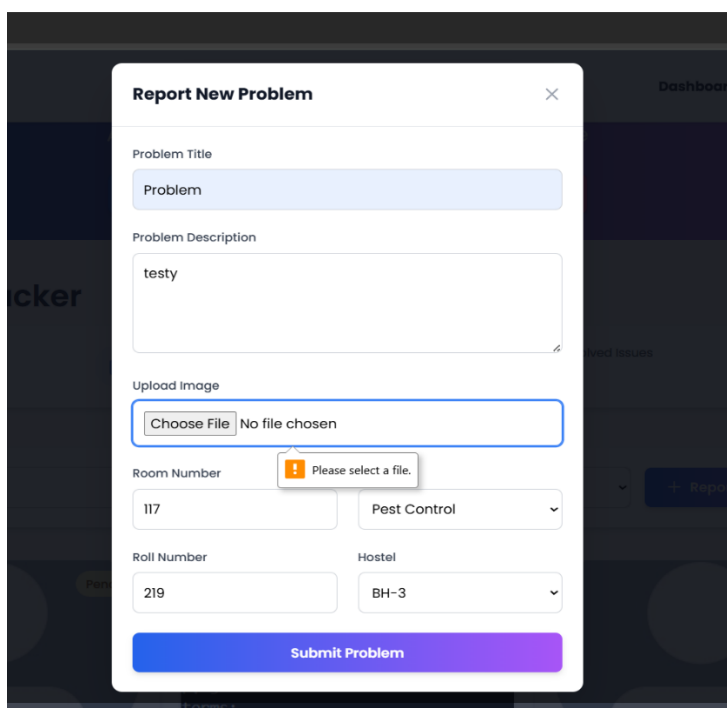


## -> Report New Problem

- Required fields: Title, Description, Image, Room Number, Category, Roll Number, Hostel
- If Description empty → browser tooltip: "Please fill out this field."
- If Image not selected → "Please select a file."



The screenshot shows the 'Report New Problem' form. The 'Problem Title' field contains the text 'Problem'. The 'Problem Description' field is empty, and a tooltip with an exclamation mark icon and the text 'Please fill out this field.' is displayed above it. The 'Upload Image' section shows a 'Choose File' button and the text 'avatar.png'. The 'Room Number' field contains '117', the 'Category' dropdown is set to 'Pest Control', the 'Roll Number' field contains '219', and the 'Hostel' dropdown is set to 'BH-3'. A 'Submit Problem' button is at the bottom.



The screenshot shows the 'Report New Problem' form. The 'Problem Title' field contains the text 'Problem'. The 'Problem Description' field contains the text 'testy'. The 'Upload Image' section shows a 'Choose File' button and the text 'No file chosen', with a tooltip with an exclamation mark icon and the text 'Please select a file.' displayed above it. The 'Room Number' field contains '117', the 'Category' dropdown is set to 'Pest Control', the 'Roll Number' field contains '219', and the 'Hostel' dropdown is set to 'BH-3'. A 'Submit Problem' button is at the bottom.

## -> Transit Register

- Required fields: Purpose, Date, Time
- Missing Time → "Please fill out this field."
- Missing Purpose → "Please fill out this field."

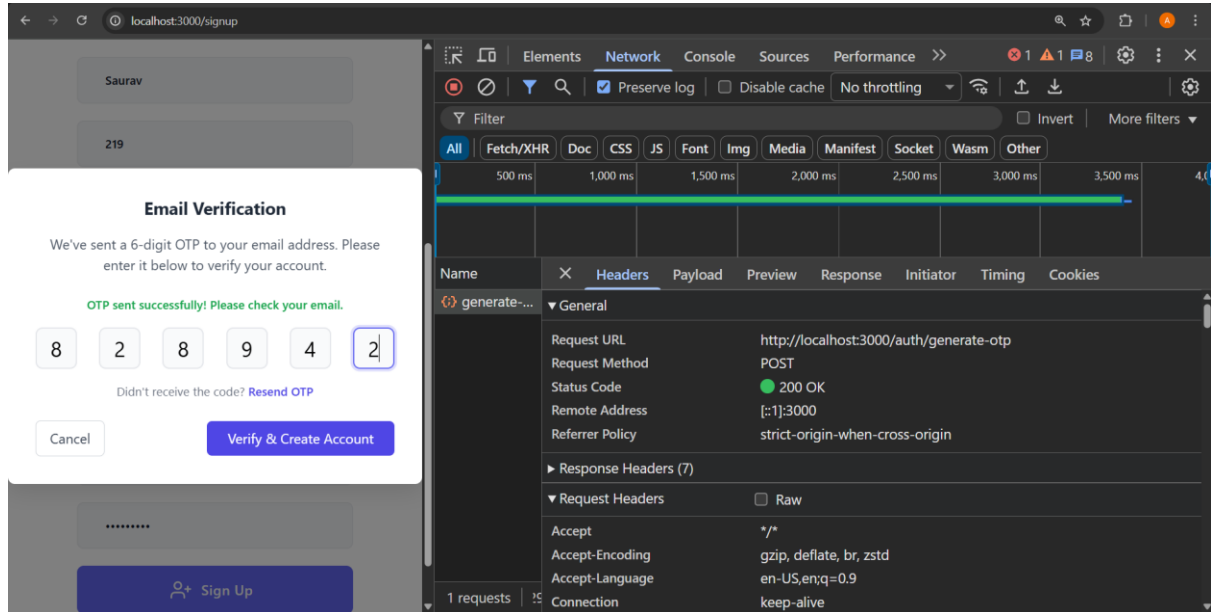
The screenshot shows a 'Create Transit Entry' modal form. The fields are filled as follows: Student Name (Saurav), Roll Number (219), Hostel (BH-3), Room Number (117), Entry/Exit (Entry), and Date (dd-mm-yyyy). The Purpose and Time fields are empty. A tooltip with an exclamation mark icon and the text 'Please fill out this field.' is positioned over the empty Purpose field. Another similar tooltip is positioned over the empty Time field. The form has 'Cancel' and 'Submit' buttons at the bottom right.

The screenshot shows the same 'Create Transit Entry' modal form, but now the Purpose field is filled with 'home visit' and the Date field is filled with '15-10-2025'. The Time field remains empty. A tooltip with an exclamation mark icon and the text 'Please fill out this field.' is positioned over the empty Time field. The 'Submit' button is highlighted in blue.

# Async Test Cases and results.

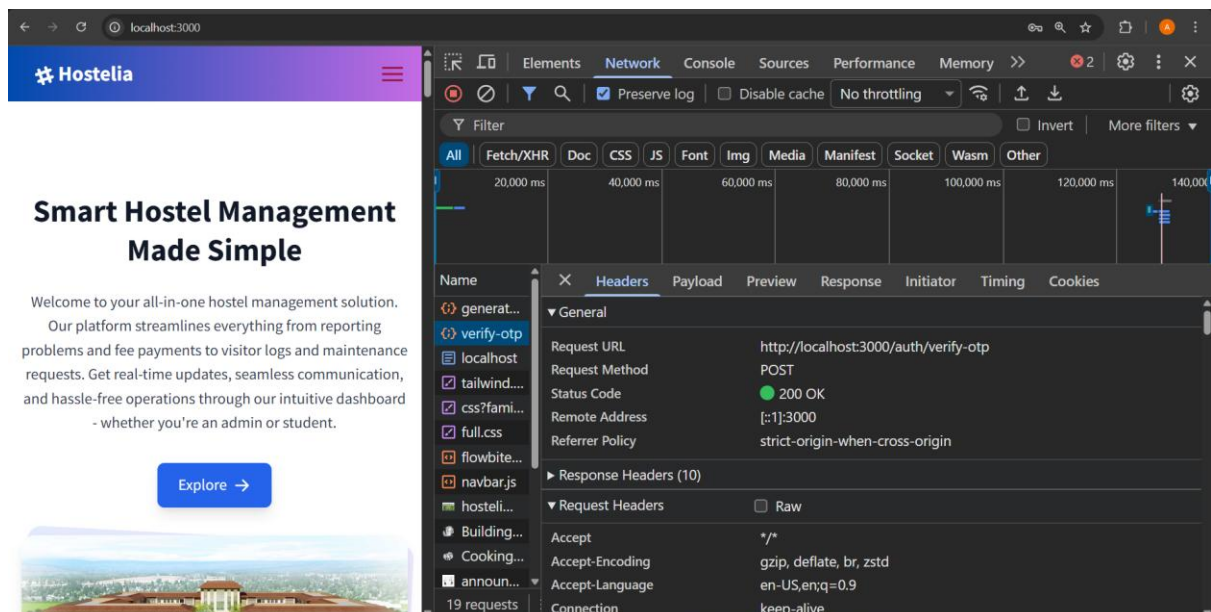
## 1. Signup

➔ OTP generation for authentication.  
“/auth/generate-otp”



The screenshot shows a web browser at localhost:3000/signup. The page displays an "Email Verification" form with a 6-digit OTP input field. The first five digits are 8, 2, 8, 9, and 4, and the sixth digit is 2. A green message states "OTP sent successfully! Please check your email." Below the input field is a "Resend OTP" link and a "Verify & Create Account" button. The browser's developer tools are open, showing the Network tab with a list of requests. The selected request is "generate-otp" with a status of 200 OK. The request headers include "Accept: \*/\*", "Accept-Encoding: gzip, deflate, br, zstd", "Accept-Language: en-US,en;q=0.9", and "Connection: keep-alive".

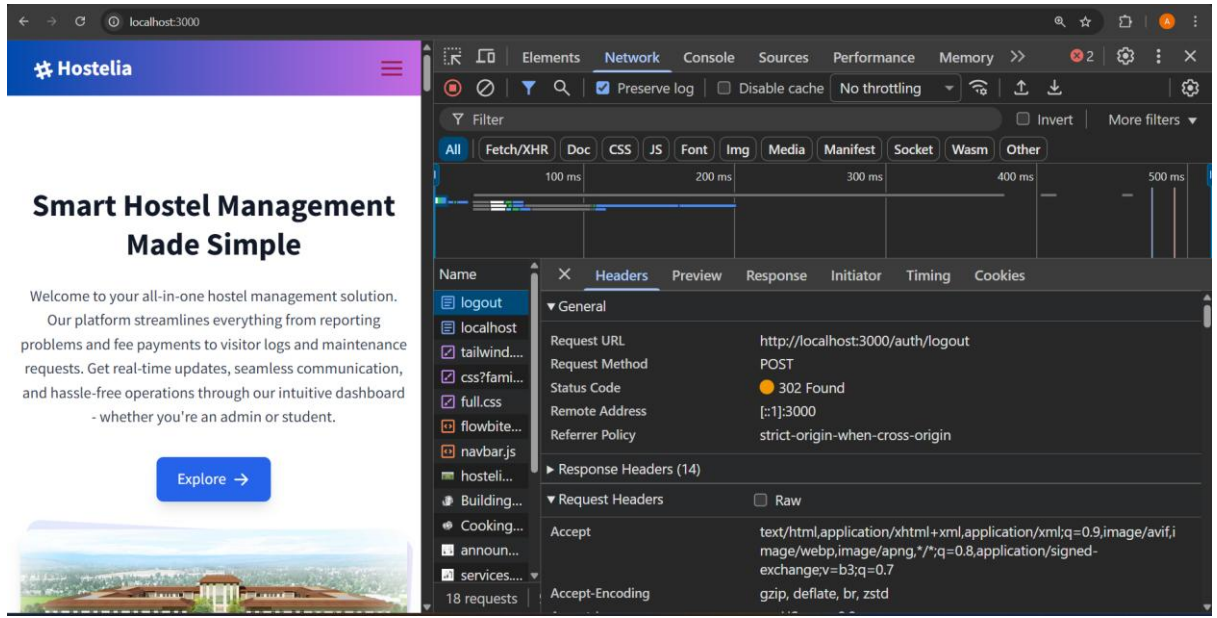
➔ OTP verification.  
“/auth/verify-otp”



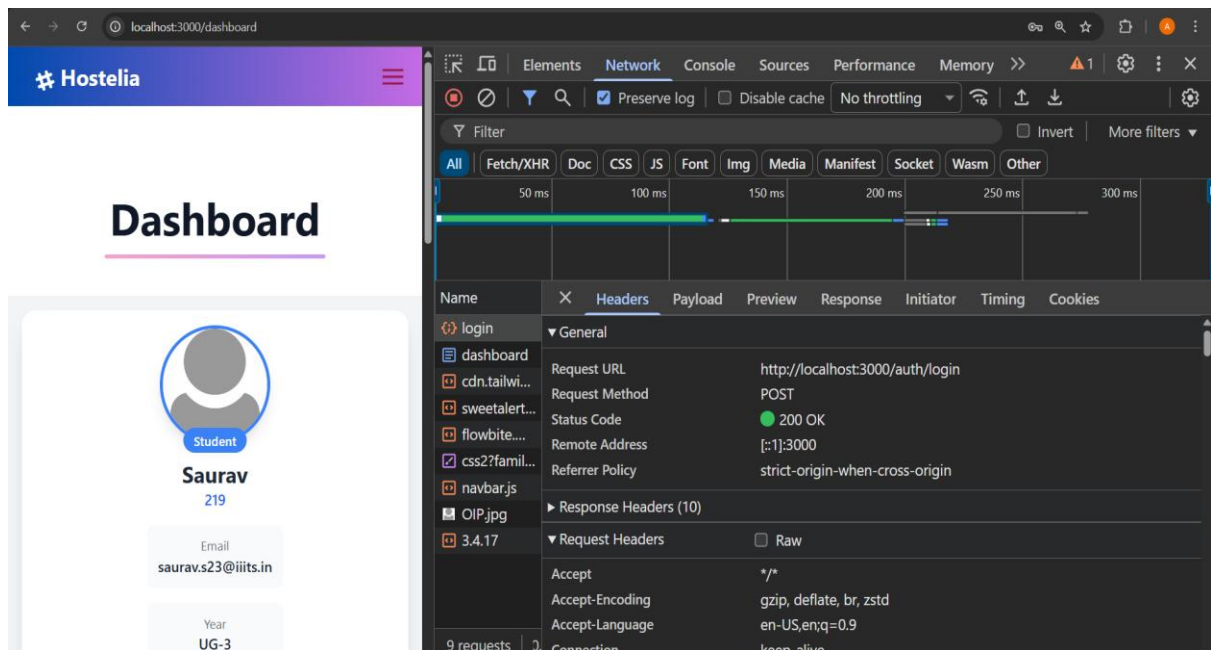
The screenshot shows a web browser at localhost:3000. The page displays a landing page for "Hostelia" with the heading "Smart Hostel Management Made Simple". The page includes a welcome message, a description of the platform, and an "Explore" button. The browser's developer tools are open, showing the Network tab with a list of requests. The selected request is "verify-otp" with a status of 200 OK. The request headers include "Accept: \*/\*", "Accept-Encoding: gzip, deflate, br, zstd", "Accept-Language: en-US,en;q=0.9", and "Connection: keep-alive".

## 2. Logout/Login

➔ “auth/logout”



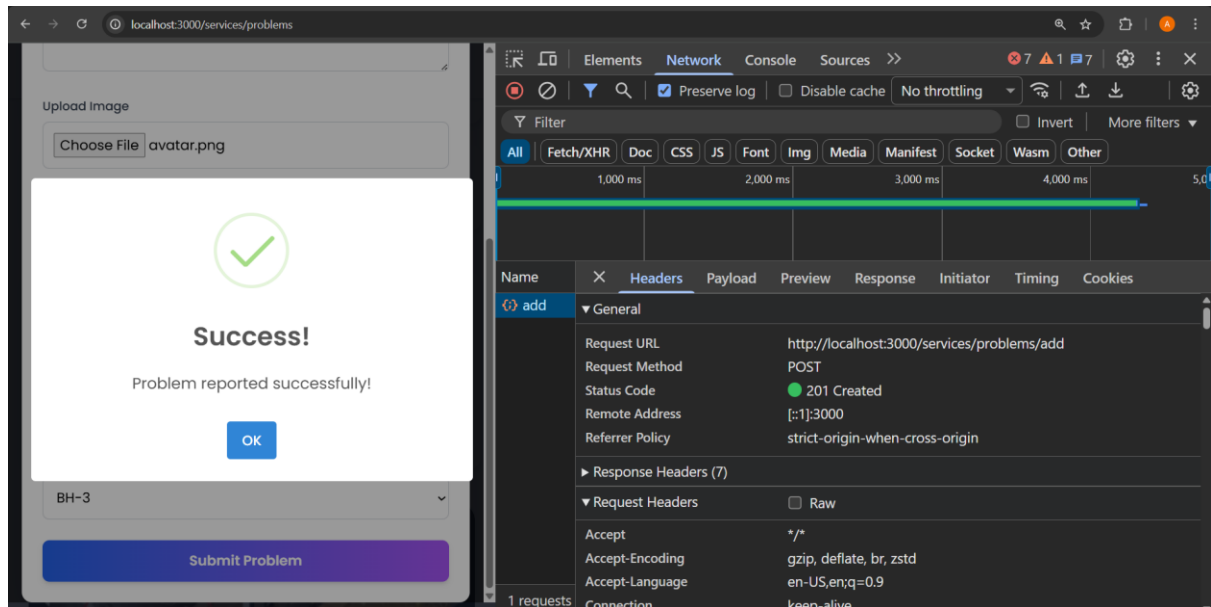
➔ “auth/login”



### 3.Services

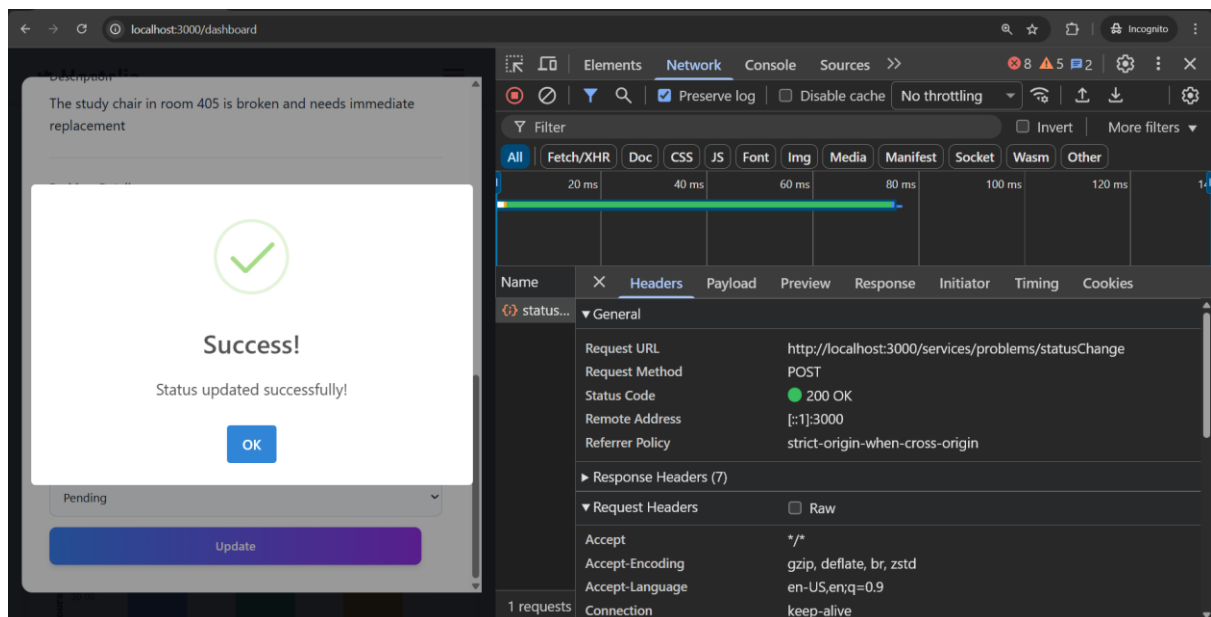
➔ Added problems

“/services/problems/add”



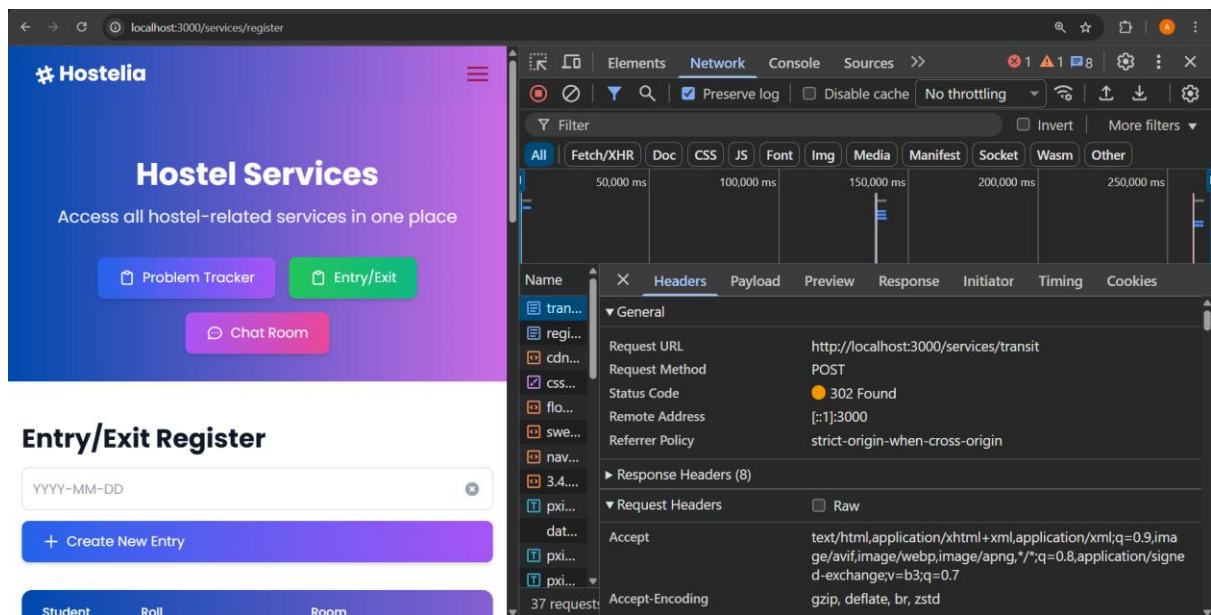
➔ Problems Status changing–

“/services/problems/statusChange”

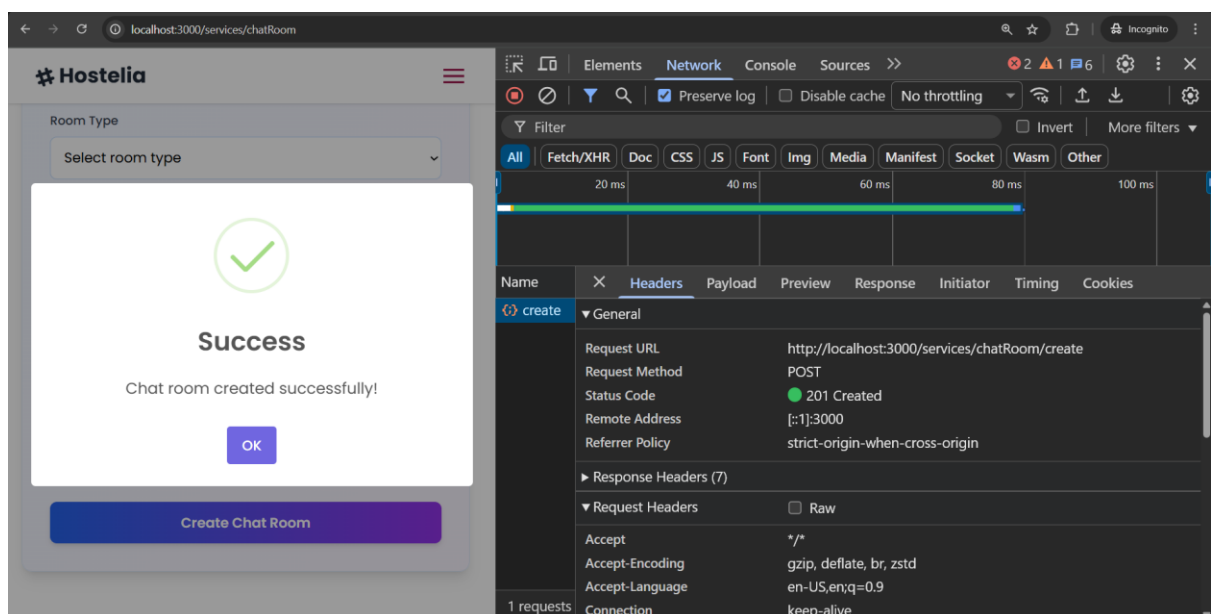




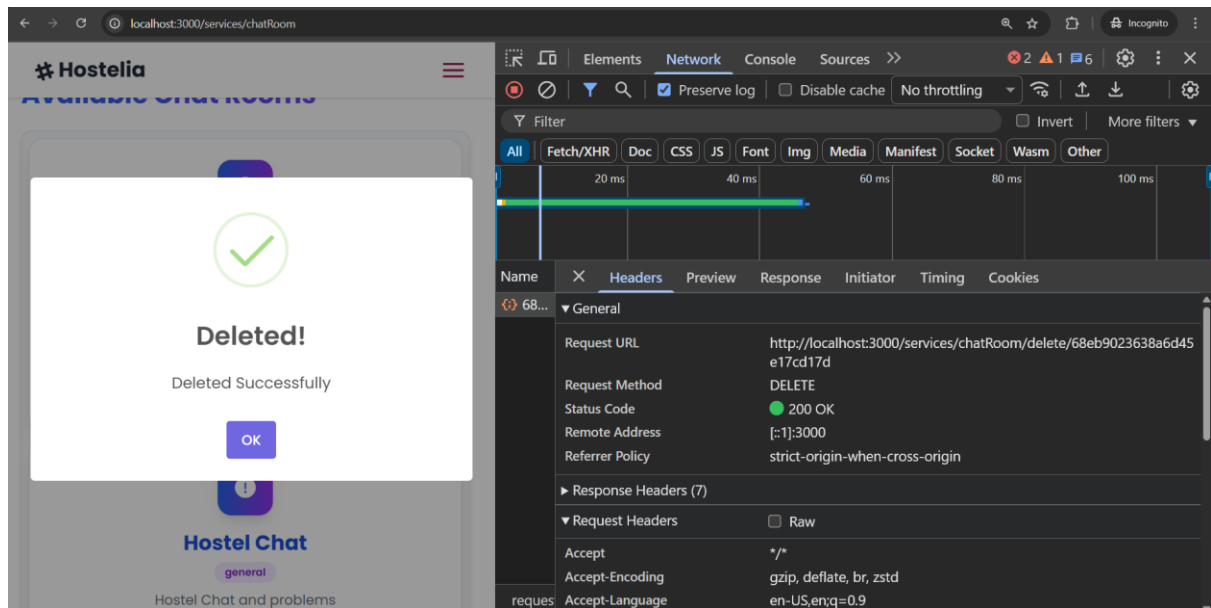
## ➔ Hostel Entry/Exit case – “/services/transit”



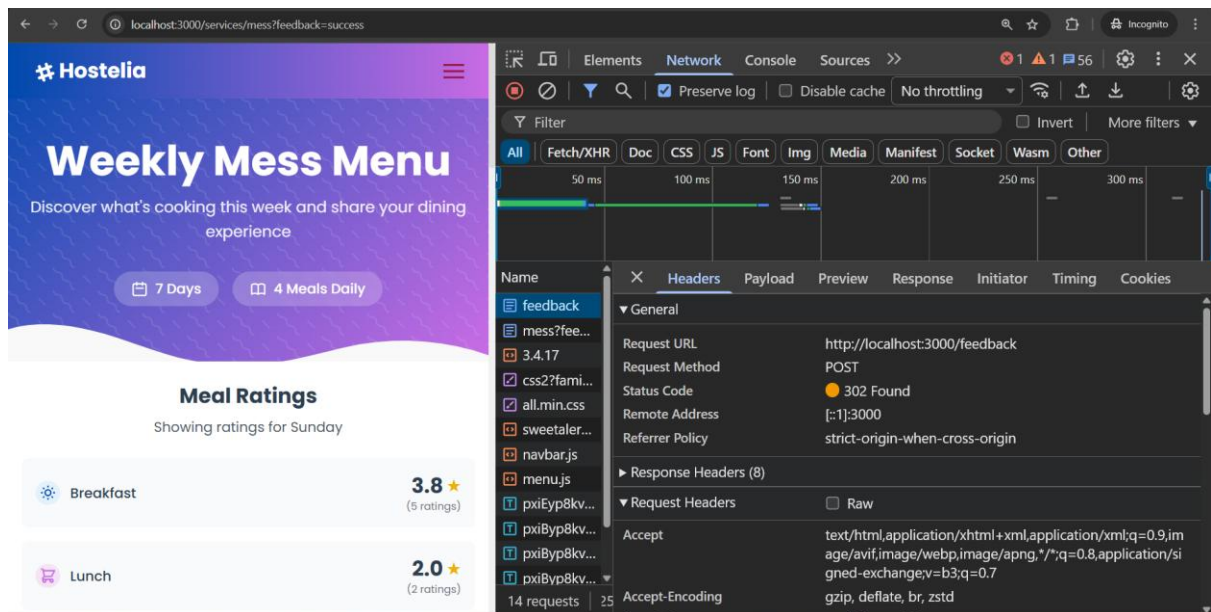
## ➔ Chat room creation asynchronously – “services/chatRoom/create”



## ➔ Chat room deletion – “/services/chatRoom/delete/:id”



## ➔ Mess menu feedback – “/feedback”



## ➔ Fees Confirmation – “/services/fee-status”

The screenshot shows a web application with a 'Student Details' modal. The modal contains two sections: 'Personal Information' and 'Hostel Information'. The 'Personal Information' section displays: Name: Saurav, Roll No: 219, Email: saurav.s23@iiits.in, Year: UG-3. The 'Hostel Information' section displays: Hostel: BH-3, Room No: 117, Hostel Fee: Paid (with a green checkmark and a 'Change' button), and Mess Fee: Unpaid (with a red circle and a 'Change' button). At the bottom of the modal are 'Close' and 'Send Reminder' buttons. To the right, the Chrome DevTools Network tab is open, showing a request to 'http://localhost:3000/services/fee-status' with a status of 200 OK. The request headers include 'Accept: \*/\*', 'Accept-Encoding: gzip, deflate, br, zstd', and 'Accept-Language: en-US,en;q=0.9'. The response headers include 'Content-Type: application/json' and 'X-Content-Type-Options: nosniff'.

## ➔ Fees Reminder – “send-fee-reminder”

The screenshot shows the same web application, but now a success message is displayed: 'Email Sent!' with a green checkmark icon and the text 'Fee reminder sent to Saurav'. Below the message is an 'OK' button. The 'Send Reminder' button in the modal is still visible. To the right, the Chrome DevTools Network tab is open, showing a request to 'http://localhost:3000/send-fee-reminder' with a status of 200 OK. The request headers include 'Accept: \*/\*', 'Accept-Encoding: gzip, deflate, br, zstd', and 'Accept-Language: en-US,en;q=0.9'. The response headers include 'Content-Type: application/json' and 'X-Content-Type-Options: nosniff'.

## → Creating Wardens (Only by admins) – “/services/users/add-warden”

