

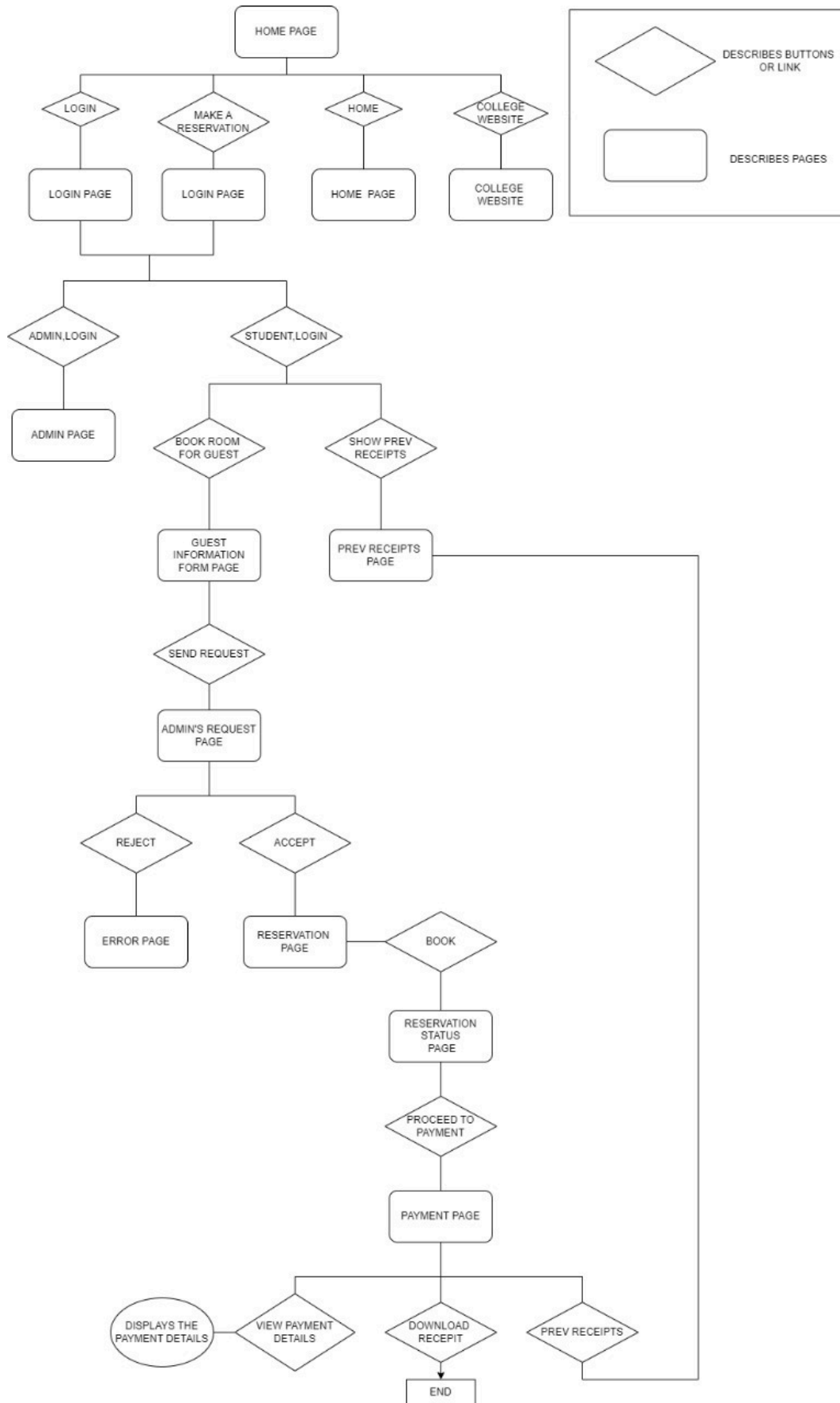
Guest Accommodation and Fee Management System

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May 17,2024

REPORT

Flow chart :



Tech Stack Used:

Front-end part is completely managed by **HTML,CSS and JavaScript**.

Back-end part is managed by **Node.js along with express**.

Communication between front-end, back-end and **MySQL database** is established using **Templating** with **EJS(Embedded JavaScript)**.

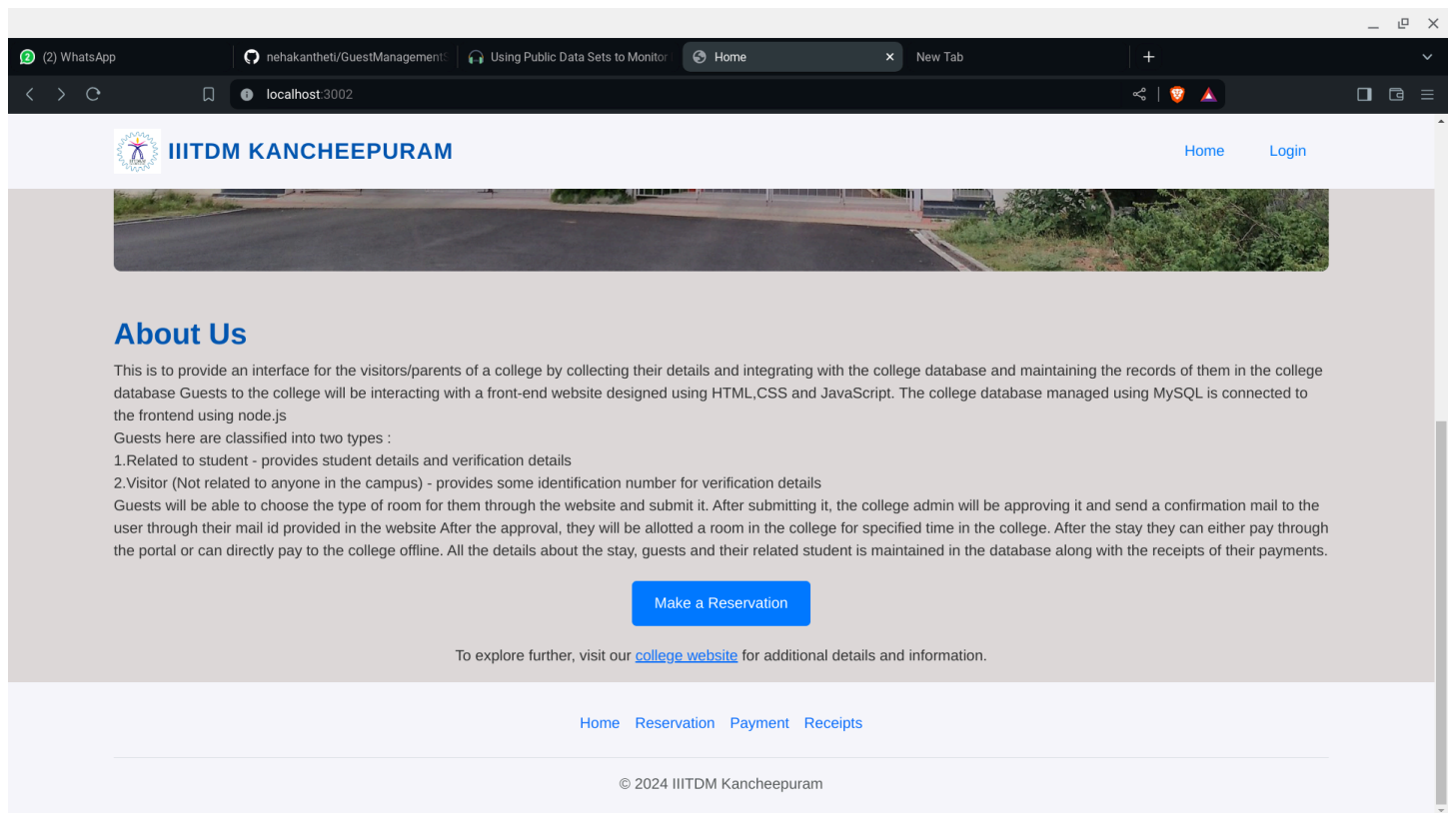
Home page:



About page:

On clicking 'Make a reservation' button, user will be redirected to login page which will be followed by room reservation.

college website redirects to official college page, [iiitdm.ac.in /](http://iiitdm.ac.in/).



Login page:


2 roles are taken as input from the login page, either student or admin.

Both will be redirected to their respective pages, which allows them to do permitted tasks in the database.

Browser tabs: (3) WhatsApp, nehakantheti/GuestManagement, Using Public Data Sets to Monitor, Login, New Tab

Address bar: localhost:3002/login.html

Home



Login

Username

Password

Role

☒ Student

☐ Admin

☐ Remember me

Sign in

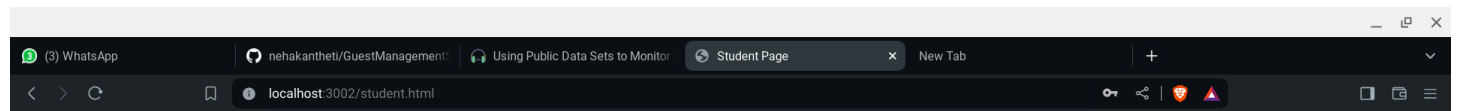
Authentication with invalid credentials:

Browser tabs: (3) WhatsApp, nehakantheti/GuestManagement, Using Public Data Sets to Monitor, localhost:3002/login, New Tab

Address bar: localhost:3002/login

Invalid username or password

Access only to usernames and passwords in database:



Welcome, Student!

[Book Room for Guests](#)

[Show Previous Receipts](#)

```
if (role === 'admin') {
  const sql = 'SELECT * FROM ADMIN WHERE staff_id = ?';
  db.query(sql, [username], (err, result) => {
    if (err) {
      throw err;
    }

    if (result.length === 0) {
      res.send('Invalid username or password');
      return;
    }

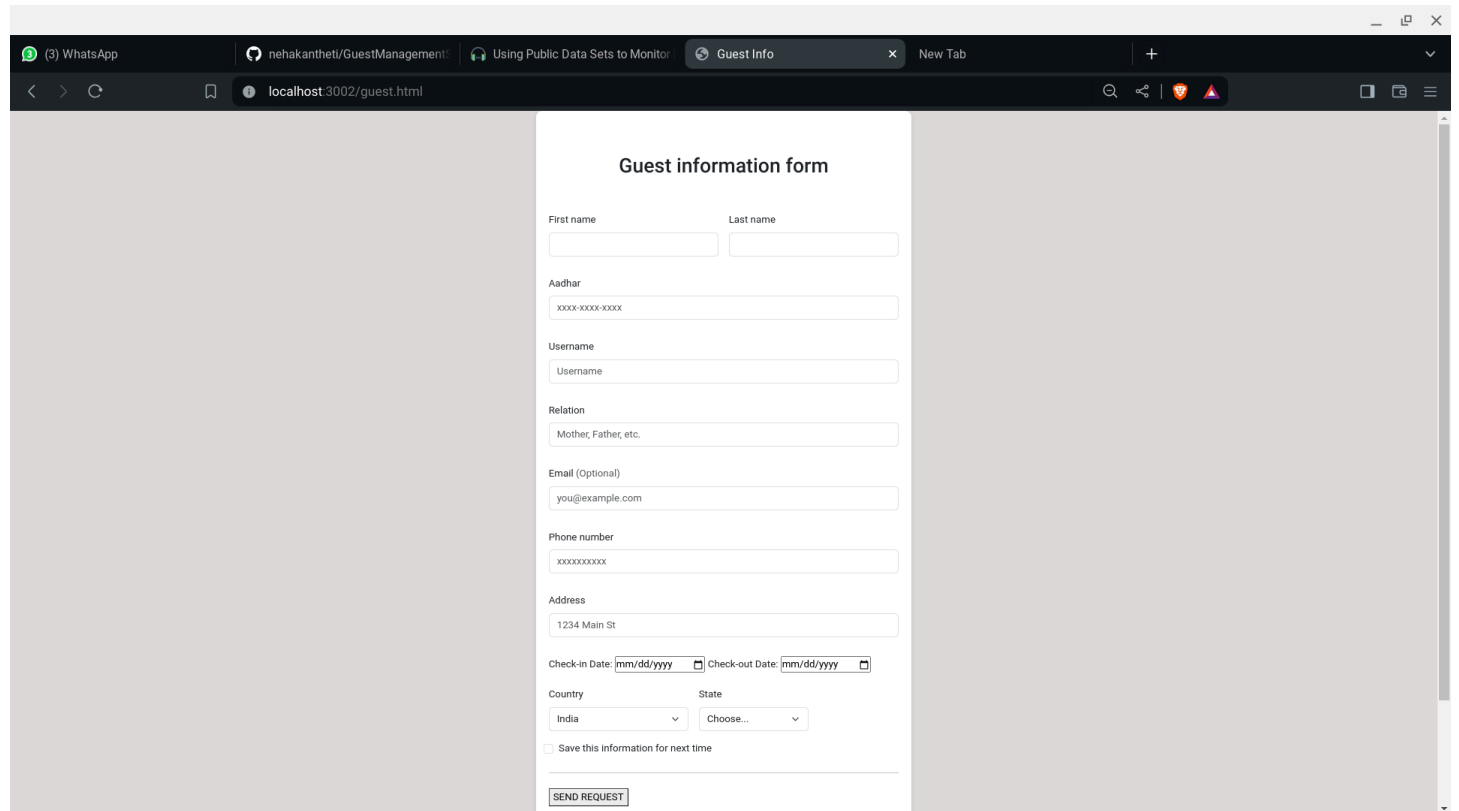
    const user = result[0];
    // Compare passwords
    if (req.body.password === user.password) {
      // console.log("Working successfully!");
      res.redirect('/admin');
    } else {
      res.send('Invalid username or password');
    }
  });
} else if (role === 'student') {
  const sql = 'SELECT * FROM STUDENT WHERE roll_no = ?';
  db.query(sql, [username], (err, result) => {
    if (err) {
      throw err;
    }

    if (result.length === 0) {
      res.send('Invalid username or password');
      return;
    }

    const user = result[0];
    // Compare passwords
    if (req.body.password === user.password) {
      res.redirect('/student');
    } else {
      res.send('Invalid username or password');
    }
  });
}
```

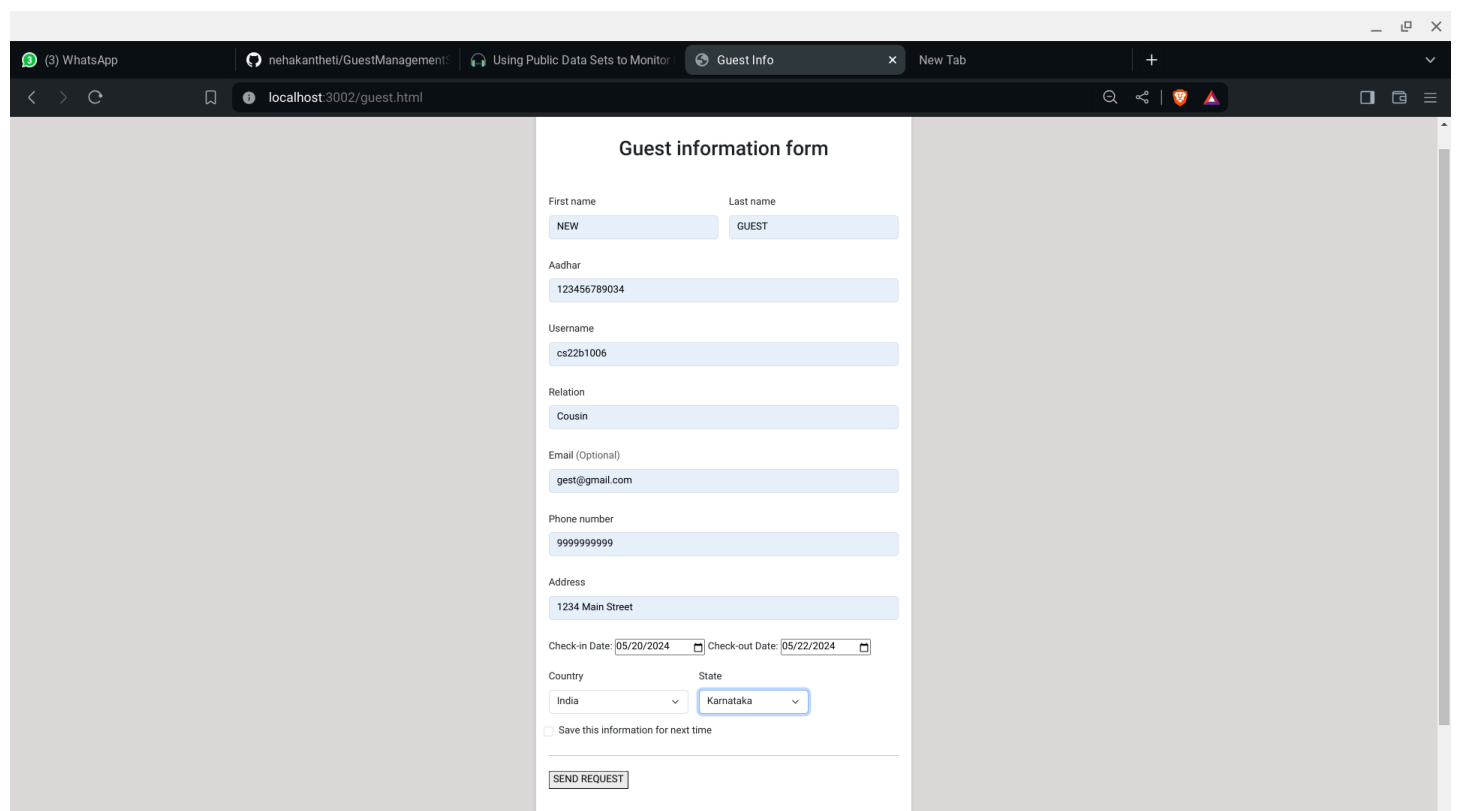
On clicking ‘Book room for Guests’ button, user is redirected to Guest Information form.

On clicking ‘show previous receipts’ button, user is redirected to the prev_receipts page as shown in the below pages.



The screenshot shows a web browser window with the address bar displaying 'localhost:3002/guest.html'. The page title is 'Guest Info'. The form is titled 'Guest information form' and contains the following fields:

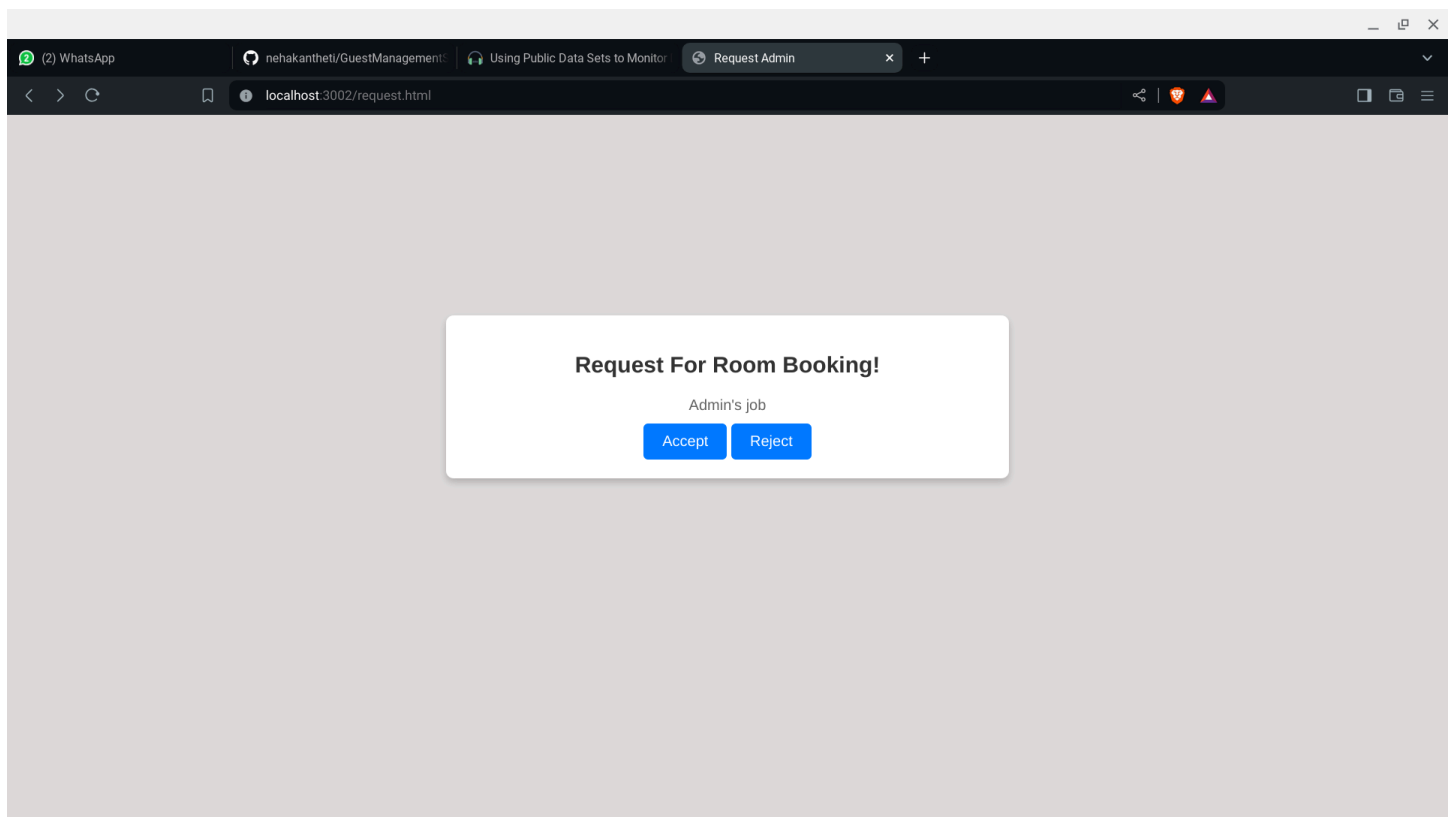
- First name:
- Last name:
- Aadhar:
- Username:
- Relation:
- Email (Optional):
- Phone number:
- Address:
- Check-in Date: ☐ Check-out Date: ☐
- Country: State:
- ☐ Save this information for next time
-



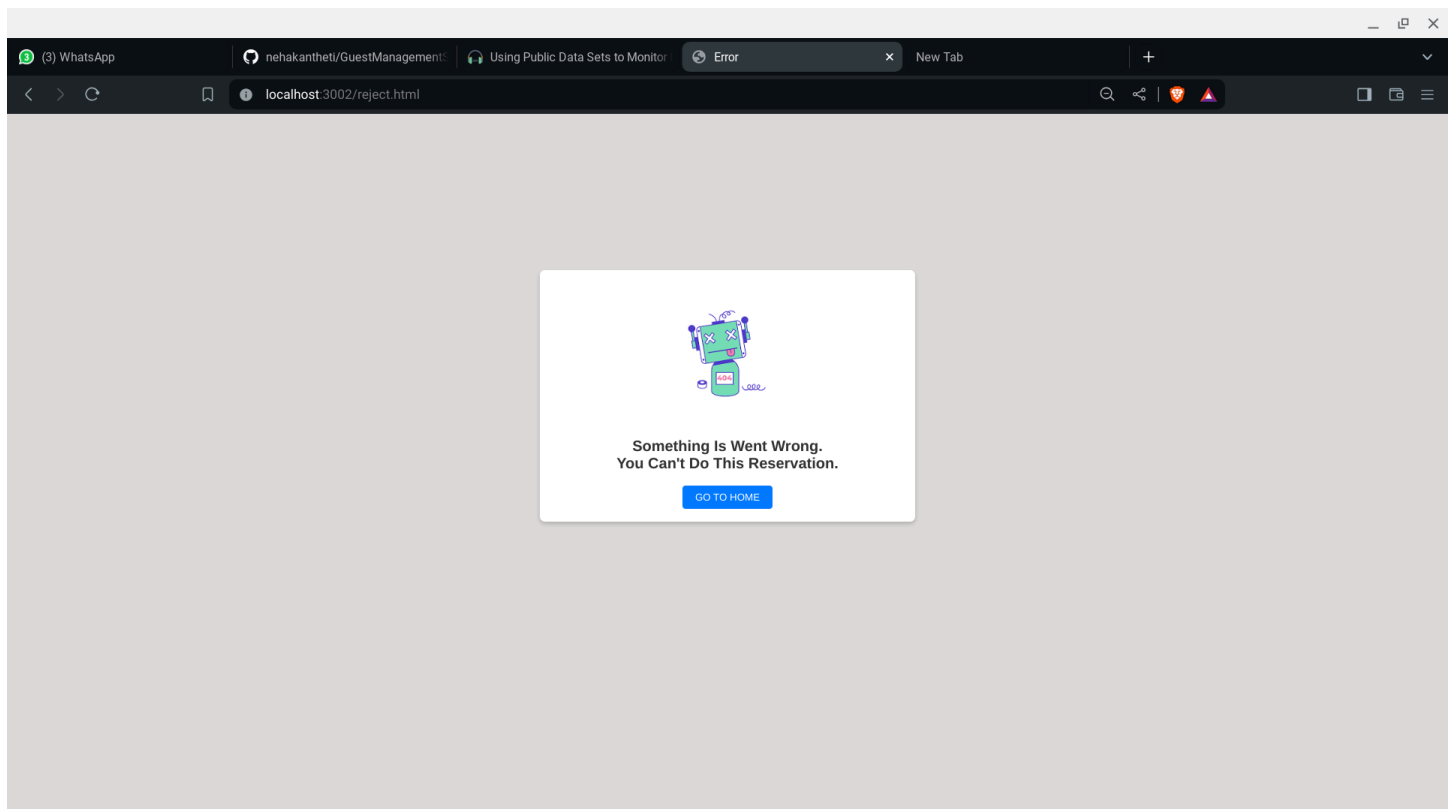
The screenshot shows the same 'Guest information form' but with pre-filled data. The fields are as follows:

- First name:
- Last name:
- Aadhar:
- Username:
- Relation:
- Email (Optional):
- Phone number:
- Address:
- Check-in Date: ☐ Check-out Date: ☐
- Country: State:
- ☐ Save this information for next time
-

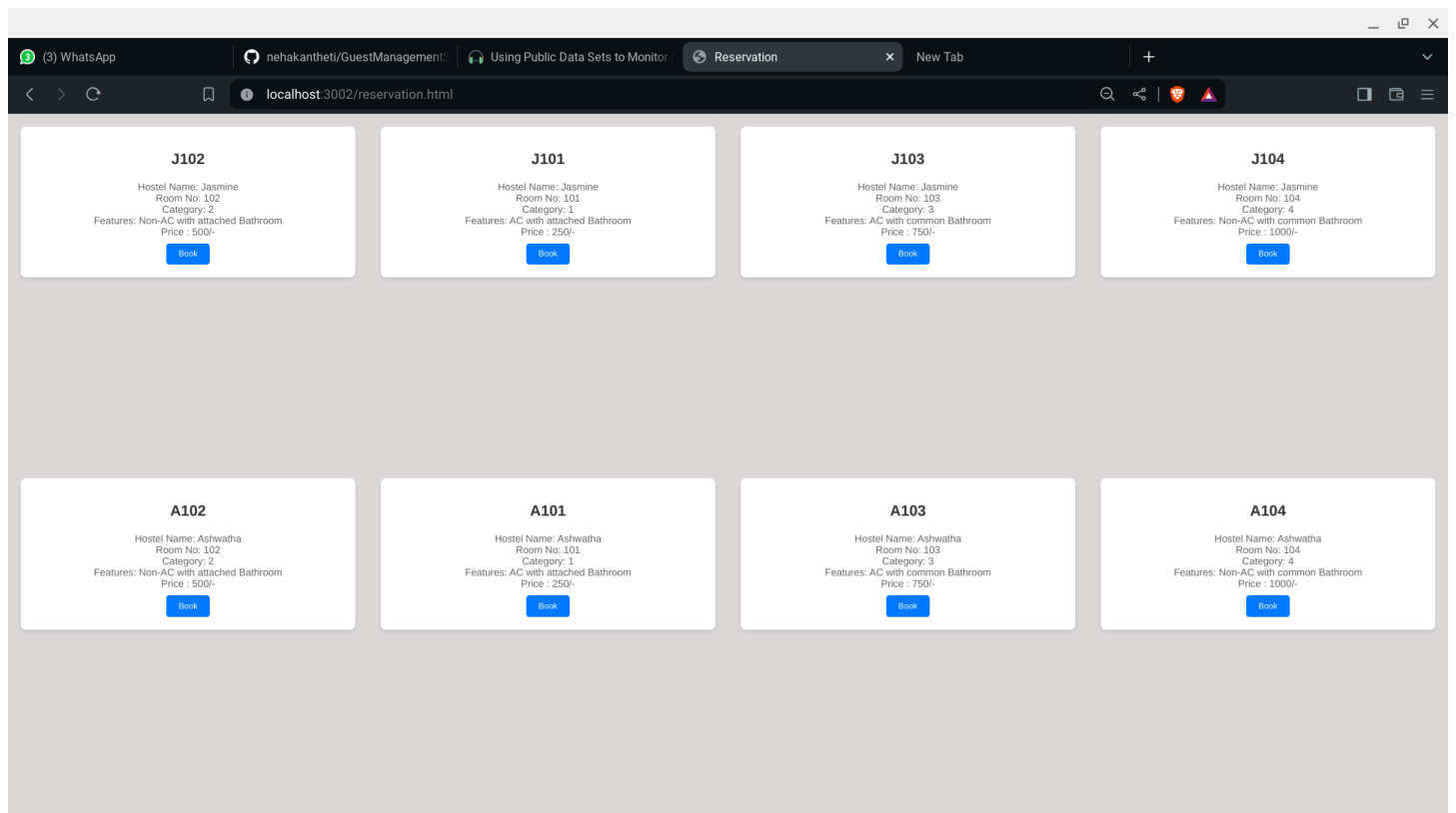
After filling out this form, responses are sent to the admin page for approval:



If admin disapproves, then it doesn't allow guests to reserve room:



If admin approves(Accepts), then they are asked to book a room



```

> nehantheti@penguin: ~
mysql> select * from PAYMENT;
+-----+-----+-----+-----+-----+
| room_id | roll_no | mode | due | view_receipt |
+-----+-----+-----+-----+-----+
| A102 | cs22b1001 | Cash | 0.00 | 1 |
| A103 | cs22b1008 | Cash | 0.00 | 4 |
| J101 | cs22b1010 | Credit card | 0.00 | 2 |
| J103 | cs22b1006 | Cash | 0.00 | 12 |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from ROOM;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| room_id | category_id | building | roll_no | check_in | check_out | price | no_of_days | availability_status | booking_status |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| A102 | NACW | ASHWATHA | cs22b1001 | 2024-03-03 | 2024-03-06 | 600.00 | 1 | 1 | 1 |
| A103 | ACW | ASHWATHA | cs22b1008 | 2024-05-23 | 2024-05-24 | 1000.00 | 1 | 1 | 1 |
| J101 | ACW | JASMINE | cs22b1010 | 2024-05-14 | 2024-05-18 | 600.00 | 1 | 1 | 1 |
| J103 | ACW | JASMINE | cs22b1006 | 2024-05-20 | 2024-05-22 | 600.00 | 1 | 1 | 1 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

mysql>

```

and data is inserted into the database.

Before accepting the request:

```
mysql> select * from GUEST;
```

| aadhar | roll_no | gname | relation | no_of_ppl | address | g_phno | check_in | check_out | id |
|--------------|-----------|---------------|----------|-----------|-----------------------|------------|------------|------------|----|
| 987654321234 | cs22b1001 | GUEST_NAME | RELATION | 1 | SOME ADDRESS | 1234567890 | 2024-03-03 | 2024-03-06 | 1 |
| 444444444444 | cs22b1010 | HariManoj | Cousin | 1 | 2dniue | 9999999999 | 2024-05-14 | 2024-05-18 | 2 |
| 123456781111 | cs22b1005 | Heena Manoj | Sister | 1 | wpfjoj | 4343434343 | 2024-05-13 | 2024-05-20 | 3 |
| 123456781112 | cs22b1008 | Heena Manoj | Cousin | 1 | HariKrishna's Address | 9090909090 | 2024-05-23 | 2024-05-24 | 4 |
| 898989898912 | cs22b1006 | Heena Krishna | Jsw | 1 | uheduhi | 7897987978 | 2024-05-22 | 2024-05-24 | 5 |
| 898989898919 | cs22b1006 | Heena Krishna | Jsw | 1 | uheduhi | 7897987978 | 2024-05-22 | 2024-05-26 | 6 |
| 878787878787 | cs22b1001 | Nani kjsdnfk | wcwiej | 1 | viewhu | 7876655465 | 2024-05-14 | 2024-05-17 | 7 |
| 898989898922 | cs22b1002 | Hari kjsdnfk | Cousin | 1 | uheduhi | 9898989898 | 2024-05-23 | 2024-05-24 | 8 |
| 123456781234 | cs22b1006 | guest 1 | Cousin | 1 | Some addresssss | 7654765476 | 2024-05-18 | 2024-05-20 | 9 |
| 789078907890 | cs22b1001 | NEW GUEST | Cousin | 1 | Some new address | 1234567890 | 2024-05-20 | 2024-05-21 | 10 |
| 123456789876 | cs22b1001 | NEW NEW GUEST | Sister | 1 | Some new addresssss | 8787656543 | 2024-05-21 | 2024-05-23 | 11 |
| 123456789011 | cs22b1001 | guest GUEST | Cousin | 1 | uheduhi | 9090909090 | 2024-05-20 | 2024-05-21 | 12 |
| 123456789034 | cs22b1006 | NEW GUEST | Cousin | 1 | 1234 Main Street | 9999999999 | 2024-05-20 | 2024-05-22 | 13 |

```
13 rows in set (0.34 sec)
```

After accepting the request:

```
mysql> select * from GUEST;
```

| aadhar | roll_no | gname | relation | no_of_ppl | address | g_phno | check_in | check_out | id |
|--------------|-----------|---------------|----------|-----------|-----------------------|------------|------------|------------|----|
| 987654321234 | cs22b1001 | GUEST_NAME | RELATION | 1 | SOME ADDRESS | 1234567890 | 2024-03-03 | 2024-03-06 | 1 |
| 444444444444 | cs22b1010 | HariManoj | Cousin | 1 | 2dniue | 9999999999 | 2024-05-14 | 2024-05-18 | 2 |
| 123456781111 | cs22b1005 | Heena Manoj | Sister | 1 | wpfjoj | 4343434343 | 2024-05-13 | 2024-05-20 | 3 |
| 123456781112 | cs22b1008 | Heena Manoj | Cousin | 1 | HariKrishna's Address | 9090909090 | 2024-05-23 | 2024-05-24 | 4 |
| 898989898912 | cs22b1006 | Heena Krishna | Jsw | 1 | uheduhi | 7897987978 | 2024-05-22 | 2024-05-24 | 5 |
| 898989898919 | cs22b1006 | Heena Krishna | Jsw | 1 | uheduhi | 7897987978 | 2024-05-22 | 2024-05-26 | 6 |
| 878787878787 | cs22b1001 | Nani kjsdnfk | wcwiej | 1 | viewhu | 7876655465 | 2024-05-14 | 2024-05-17 | 7 |
| 898989898922 | cs22b1002 | Hari kjsdnfk | Cousin | 1 | uheduhi | 9898989898 | 2024-05-23 | 2024-05-24 | 8 |
| 123456781234 | cs22b1006 | guest 1 | Cousin | 1 | Some addresssss | 7654765476 | 2024-05-18 | 2024-05-20 | 9 |
| 789078907890 | cs22b1001 | NEW GUEST | Cousin | 1 | Some new address | 1234567890 | 2024-05-20 | 2024-05-21 | 10 |
| 123456789876 | cs22b1001 | NEW NEW GUEST | Sister | 1 | Some new addresssss | 8787656543 | 2024-05-21 | 2024-05-23 | 11 |
| 123456789011 | cs22b1001 | guest GUEST | Cousin | 1 | uheduhi | 9090909090 | 2024-05-20 | 2024-05-21 | 12 |
| 123456789034 | cs22b1006 | NEW GUEST | Cousin | 1 | 1234 Main Street | 9999999999 | 2024-05-20 | 2024-05-22 | 13 |

```
13 rows in set (0.34 sec)
```

Then user is prompted to payment form:

```

nehakantheti@penguin: ~
| 898989898919 | cs22b1006 | Heena Krishna | Jsw | 1 | uheduhi | 7897987978 | 2024-05-22 | 2024-05-26 | 6 |
| 878787878787 | cs22b1001 | Nani kjsdnfk | wciej | 1 | viewhu | 7876655465 | 2024-05-14 | 2024-05-17 | 7 |
| 898989898922 | cs22b1002 | Hari kjsdnfk | Cousin | 1 | uheduhi | 9898989898 | 2024-05-23 | 2024-05-24 | 8 |
| 123456781234 | cs22b1006 | guest 1 | Cousin | 1 | Some addresssss | 7654765476 | 2024-05-18 | 2024-05-20 | 9 |
| 789078907890 | cs22b1001 | NEW GUEST | Cousin | 1 | Some new address | 1234567890 | 2024-05-20 | 2024-05-21 | 10 |
| 123456789876 | cs22b1001 | NEW NEW GUEST | Sister | 1 | Some new addresssss | 8787656543 | 2024-05-21 | 2024-05-23 | 11 |
| 123456789011 | cs22b1001 | guest GUEST | Cousin | 1 | uheduhi | 9090909090 | 2024-05-20 | 2024-05-21 | 12 |
| 123456789034 | cs22b1006 | NEW GUEST | Cousin | 1 | 1234 Main Street | 9999999999 | 2024-05-20 | 2024-05-22 | 13 |
| 123456789099 | cs22b1005 | NEW Krishna | Cousin | 1 | 2dniue | 7897987978 | 2024-05-14 | 2024-05-15 | 14 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
14 rows in set (0.00 sec)

mysql> select * from PAYMENT;
+-----+-----+-----+-----+-----+
| room_id | roll_no | mode | due | view_receipt |
+-----+-----+-----+-----+-----+
| A102 | cs22b1001 | Cash | 0.00 | 1 |
| A103 | cs22b1008 | Cash | 0.00 | 4 |
| J101 | cs22b1010 | Credit card | 0.00 | 2 |
| J103 | cs22b1006 | Cash | 0.00 | 12 |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>

```

If the user wants to check all the previous receipts, then they can do so using the Prev Receipts button, it redirects to the prev_receipts page:

Previous Receipts

| Check-In Date | Check-Out Date | Receipt |
|---|---|---------|
| Mon Jan 01 2024 00:00:00 GMT+0530 (India Standard Time) | Wed Jan 10 2024 00:00:00 GMT+0530 (India Standard Time) | 1 |

This previous receipts page is accessible from student page also:

Welcome, Student!

[Book Room for Guests](#)

[Show Previous Receipts](#)