



A Project

Report On

Hotel Management System

By

Reetu Shrivastava

BE

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Under the Guidance of,

Mamta Boga

Technical Trainer

EduBridge

(School of coding)

Introduction:

This hotel management system is developed for hotels those are using a manual system to handle hotel processes. This system will automate the major operations of the hotel. There are two main users in hotel management system administrator and guests. Administrator can see about the employees and the hotel bookings. Administrator can also edit and delete the details of the employee and guest without any restrictions. The guests can view the hotel web site and can sign up and book the hotel room they want by using different type of payment methods.

List of Modules

- **Admin**
- **Guest**
- **Signup**
- **Room Booking**
- **Employee**
- **Check Out and Payments**

I have developed this Application in **Java, Springboot, Hibernate and MySQL**. It's a web-based project so I have used **HTML, CSS, JavaScript and Bootstrap** also.

The main feature of the project is to make hotel booking easier. You can access this website from anywhere and everywhere.

Admin :

Here, Admin can login and access booking detail and employee related information after that Admin will redirect to Admin dashboard here Admin have two modules :

- Booking List
- Employee List

In the booking list, admin can see different users booking the rooms and can perform CRUD operations like edit ,delete and update the list.

In the employee list admin can see all details of employees who are working in HBHR'S hotel and perform CRUD operations like edit, delete and update the list.

Booking Form:

Here, the user gives his details to book the room according to the type of room he wants but before this user need to registered itself by signup page.

Guest :

The guests can open the hotel website and view the different pages of the hotel. The guests can see about the hotel by clicking the about us option and the guests can also view the attractions page and find different images of the hotel to get better idea of the hotel rooms and halls. The guests can sign up by clicking the sign up option from the home page or from the about us page. In sign up page the guests should give their details and then the booking page will open. The guests can select the type of rooms and book the hotel room. After that the payment page will be redirected to the guest with different payment options where the guests can do the payment by which the hotel gets booked. Also the guests can go to the feedback page in home and give their feedback so the hotel facilities can be updated.

Aboutus :

In about us page the users can read about the hotel details, services provided and the view of the hotel. It also redirects the user to the

hotel booking page to sign up.

Payment :

To get the guest to book the hotel we use the payment option where the guest can use different payment methods like using cash to pay or cards by giving the costumer card details. After choosing the cash method or by doing using the card payment method the hotel gets booked for the guest and then he gets a pop up message that the hotel room is booked.

Software Requirements:

Front end: Java/J2EE technologies (SpringBoot Framework), HTML, CSS, JavaScript, Bootstrap, Hibernate.

Back end: MySQL workbench 8.0.23CE.

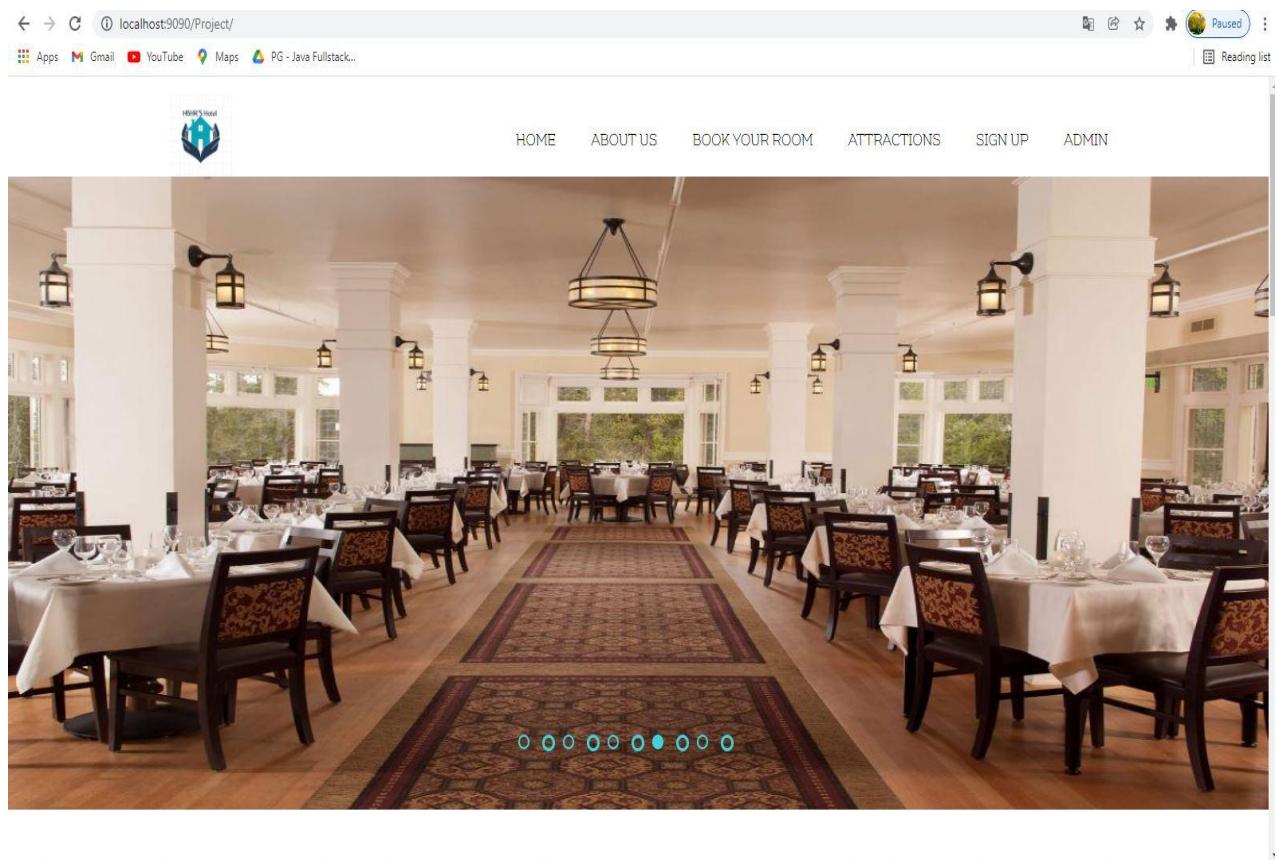
Middleware/Server: Apache Tomcat v7.0. **IDE:** Eclipse IDE for Java EE Developers

Browser: Best result on Google Chrome

Operating System: Window 10.

Screenshots:-

Home Page:



Signup Page:

The screenshot shows a web browser window with the URL `localhost:9090/Project/Signup`. The page has a header with the hotel's logo and navigation links for HOME, ABOUT US, BOOK YOUR ROOM, and ATTRACTIONS. The main content area is titled "Sign Up" and contains a form for creating an account. The form fields include: Username (placeholder: Enter your first name), First name (placeholder: Enter your first name), Last name (placeholder: Enter your Last Name), Phone number (placeholder: Enter your Phone Number), Date of birth (placeholder: Enter DOB), and Email (placeholder: technicalreetu123@gmail.com). The background of the form area features a scenic tropical beach with palm trees and thatched umbrellas under a clear blue sky.

Please fill in this form to create an account.

Username:

First name:

Last name:

Phone number:

Date of birth:

Email:

Signup With Data:

The screenshot shows the same web browser window as the previous one, but with data populated into the form fields. The "Username" field now contains "Reetu123", the "First name" field contains "Reetu", the "Last name" field contains "Shrivastava", the "Phone number" field contains "09340885916", the "Date of birth" field contains "11-09-1998", and the "Email" field contains "technicalreetu123@gmail.com". The background of the form area remains the same scenic tropical beach scene.

Please fill in this form to create an account.

Username:

First name:

Last name:

Phone number:

Date of birth:

Email:

Successful Signup Done:

The screenshot shows the MySQL Workbench interface. The left sidebar displays the database schema with the 'hotelmanagement' database selected. Under 'Tables', the 'signup' table is highlighted. The main pane shows the 'Result Grid' of the 'signup' table, which contains two rows of data. Below the grid, the 'Action Output' section shows three log entries related to the 'signup' table.

	id	dob	email	fname	lname	password	phonenumber	rpassword	username	
1	1	11-09-1998	technicalreetu123@gmail.com	Reetu	Reetu	Shrivastava	123	09340885916	123	NULL
2	2	11-09-1998	technicalreetu123@gmail.com	Reetu123	Reetu	Shrivastava	123	09340885916	123	NULL
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Action Output:

- # 33 10:24:50 SELECT * FROM hotelmanagement.form LIMIT 0, 1000 Message 1 row(s) returned
- # 34 10:25:55 SELECT * FROM hotelmanagement.payment LIMIT 0, 1000 Message 1 row(s) returned
- # 35 13:34:01 SELECT * FROM hotelmanagement.signup LIMIT 0, 1000 Message 2 row(s) returned

Admin Page:

The screenshot shows a web browser window with the URL 'st:9090/Project/LoginWorking'. A modal dialog box is displayed, stating 'localhost:9090 says Admin Login Successfull!! Directing to Landing Page'. The background page has a header 'Welcome To Hotel Management System'.

Login Here

USERNAME:

PASSWORD:

LOGIN TYPE:

LOGIN

Admin Dashboard Page:

localhost:9090/Project/Admin

☰ Admin

Dashboard

Booking

Employees List

Log out

☰ Dashboard

Search...

User Booking Data by Admin :

localhost:9090/Project/newFormview

☰ Admin

Dashboard

Booking

Employees List

Log out

New/Edit User Booking

First Name:	Reetu
Last Name:	Shrivastava
Email:	technicalreetu234@gmail.com
DOB:	11-09-1998
Phone Number:	+919340885916
Date:	00/09/2021
Guest:	4
Room Type:	ocean
<input type="button" value="Save"/>	

Booking List :

The screenshot shows a web application interface with a title bar "localhost:9090/Project/Formview". Below the title bar is a navigation bar with links to YouTube, Maps, and PG - Java Fullstack... A sidebar on the left is titled "List". The main content area displays a table titled "Booking List" with the following data:

First Name	Last Name	Phone Number	Email	DOB	Date	Number of Guest	Room Type
Reetu	Shrivastava	9340885916	shrivastavareetu123@gmail.com	11-09-1998	90/09/123	4	ocean

Below the table is a link "New Booking Register Herehere".

Successful Booking List Done:

The screenshot shows a database management tool interface with a toolbar at the top and a "Schemas" tree on the left. The "hotelmangement" schema is selected, showing the "formview" table under "Tables". The "Columns" section lists the table structure. The "Result Grid" tab shows the following data for the "formview" table:

	ID	date	dob	email	frame	guest	lname	phonenumber	room
1	2	90/09/123	11-09-1998	shrivastavareetu123@gmail.com	Reetu	4	Shrivastava	9340885916	ocean
*									

The "Action Output" section shows three recent actions:

- # 35 13:34:01 SELECT * FROM hotelmangement.signup LIMIT 0, 1000 Message 2 row(s) returned
- # 36 14:05:00 SELECT * FROM hotelmangement.employee LIMIT 0, 1000 Message 2 row(s) returned
- # 37 14:08:50 SELECT * FROM hotelmangement.formview LIMIT 0, 1000 Message 1 row(s) returned

Employee Data by Admin:

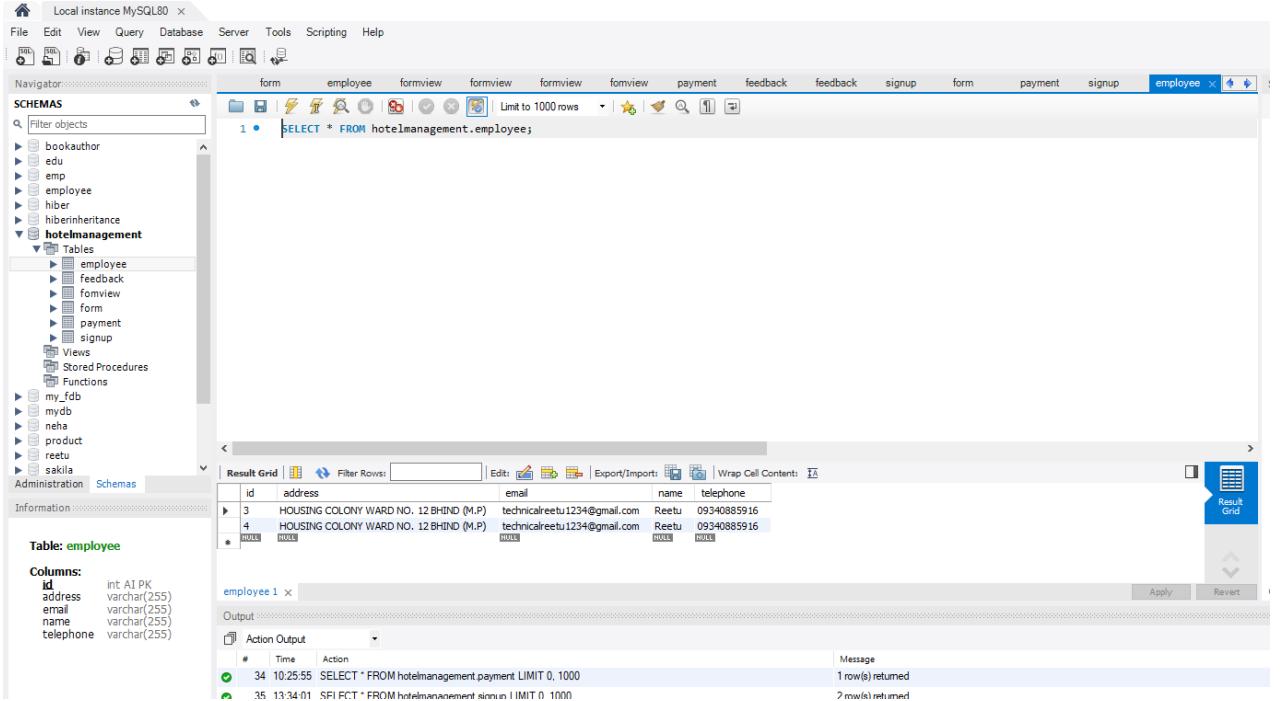
The screenshot shows a web application interface for managing employee data. On the left, a dark blue sidebar menu titled 'Admin' contains links for 'Dashboard', 'Booking', 'Employees List', and 'Log out'. The main content area has a header 'New/Edit Employee'. It includes four input fields: 'Name' (Reetu), 'Email' (technicalreetu1234@gmail.com), 'Address' (HOUSING COLONY WARD NO. 12 BHIND (M.P)), and 'Telephone' (09340885916). A 'Save' button is located below the fields.

Employee List:

The screenshot shows a web application interface displaying a list of employees. The left sidebar is identical to the previous screenshot. The main content area features a table titled 'Employee List' with columns: Name, Email, Address, Telephone, and Action. Two rows of data are present, both corresponding to the same employee (Name: Reetu, Email: technicalreetu1234@gmail.com, Address: HOUSING COLONY WARD NO. 12 BHIND (M.P), Telephone: 09340885916). Each row includes 'Edit' and 'Delete' links under the 'Action' column. Below the table, a link 'New Employee Register here' is visible.

Name	Email	Address	Telephone	Action
Reetu	technicalreetu1234@gmail.com	HOUSING COLONY WARD NO. 12 BHIND (M.P)	09340885916	Edit Delete
Reetu	technicalreetu1234@gmail.com	HOUSING COLONY WARD NO. 12 BHIND (M.P)	09340885916	Edit Delete

Successful Booking List Done:



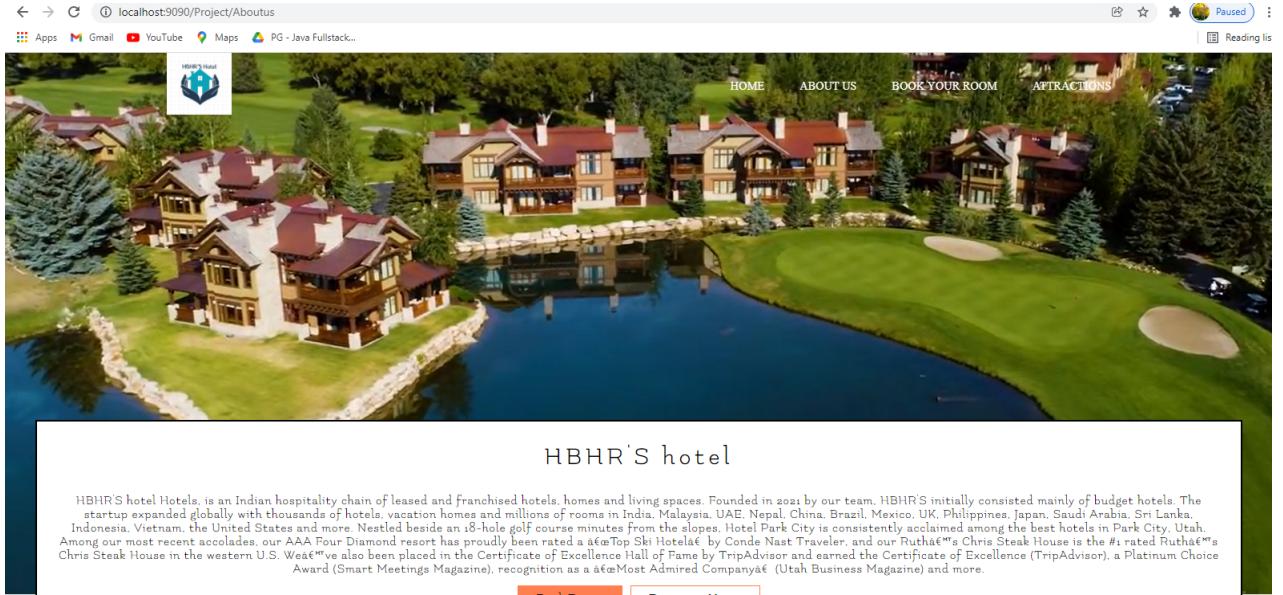
The screenshot shows the MySQL Workbench interface. In the top navigation bar, the database is set to "Local instance MySQL80". The main area displays the results of a query: "SELECT * FROM hotelmanagement.employee;". The results grid shows two rows of data:

id	address	email	name	telephone
3	HOUSING COLONY WARD NO. 12 BHIND (M.P)	technicalreetu1234@gmail.com	Reetu	09340885916
4	HOUSING COLONY WARD NO. 12 BHIND (M.P)	technicalreetu1234@gmail.com	Reetu	09340885916

Below the results, the "Actions" panel shows two recent actions:

- Action 34: SELECT * FROM hotelmanagement.payment LIMIT 0, 1000 (Time: 10:25:55, Message: 1 row(s) returned)
- Action 35: SFI FCT * FROM hotelmanagement.signup LIMIT 0, 1000 (Time: 13:34:01, Message: 2 row(s) returned)

About Us:



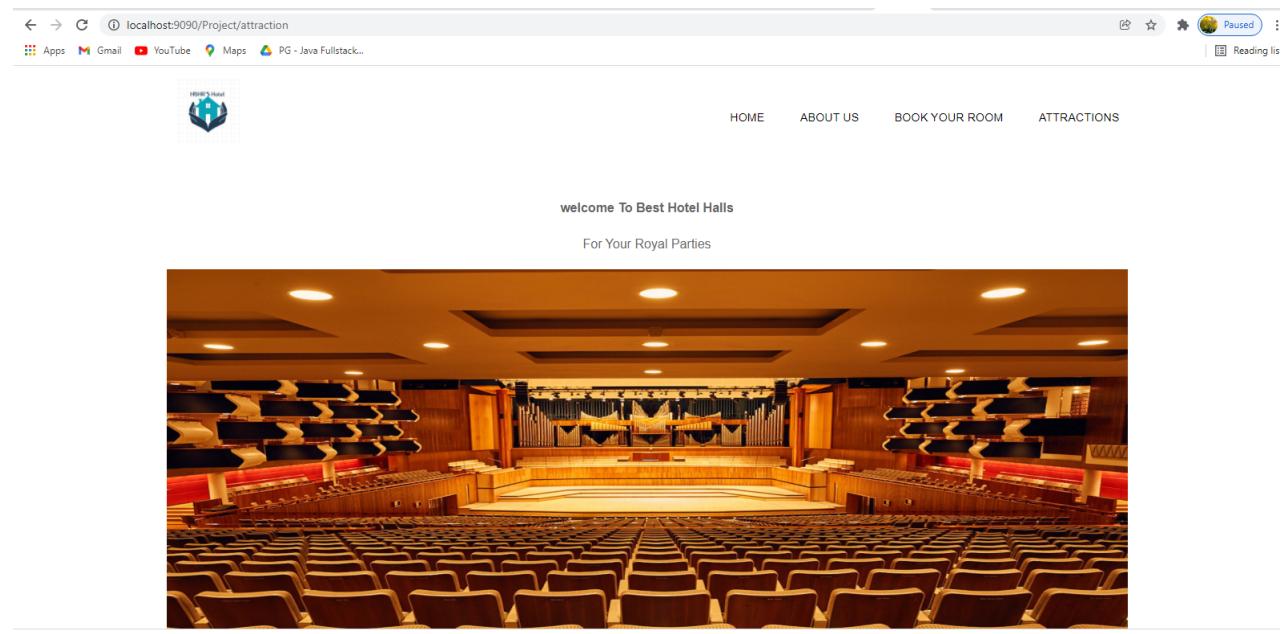
The screenshot shows the homepage of the HBHR's hotel website. The header features a logo of a blue house with the text "HBHR's Hotel" and a navigation menu with links to "HOME", "ABOUT US", "BOOK YOUR ROOM", and "ATTRACTONS". Below the header is a large aerial photograph of a luxury resort complex situated next to a lake and surrounded by greenery. A white callout box contains the text "HBHR'S hotel". Below the image, a paragraph describes the hotel's history and global presence, mentioning its expansion to over 1000 hotels in 20 countries. At the bottom of the page are two buttons: "Book Room" and "Return to Home".

HBHR'S hotel

HBHR's hotel Hotels, is an Indian hospitality chain of leased and franchised hotels, homes and living spaces. Founded in 2021 by our team, HBHR'S initially consisted mainly of budget hotels. The startup expanded globally with thousands of hotels, vacation homes and millions of rooms in India, Malaysia, UAE, Nepal, China, Brazil, Mexico, UK, Philippines, Japan, Saudi Arabia, Sri Lanka, Indonesia, Vietnam, the United States and more. Nestled beside an 18-hole golf course minutes from the slopes, Hotel Park City is consistently acclaimed among the best hotels in Park City, Utah. Among our most recent accolades, our AAA Four Diamond resort has proudly been rated a #1 Top Ski Hotel by Conde Nast Traveler, and our Ruthie's Chris Steak House is the #1 rated Ruthie's Chris Steak House in the western U.S. We've also been placed in the Certificate of Excellence Hall of Fame by TripAdvisor and earned the Certificate of Excellence (TripAdvisor), a Platinum Choice Award (Smart Meetings Magazine), recognition as a #1 Most Admired Company (Utah Business Magazine) and more.

Book Room Return to Home

Attraction : In attractions page the user can see the different types of rooms as images for getting better idea of how the rooms appearance.



Booking Form Data:

A screenshot of a web browser displaying a room booking form overlay on a background image of a modern building at dusk. The overlay has a dark semi-transparent background with the title "Room Booking Form" and a "Book Now" button at the top. It contains several input fields: Name (Reetu, Shrivastava), Phone number (+919340885916), Email (technicalreetu123@gmail.com), Date (90/09/183), and Time (11:09:1998). There are dropdown menus for Room Type (5, Royal Pent House) and a "Reset" button. The "Book Now" button is highlighted with a red border.

Successful Booking :

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree, with 'hotelmanagement' selected. Under 'Tables', 'form' is highlighted. The main area shows the results of a query: 'SELECT * FROM hotelmanagement.form;'. The result grid contains two rows of data:

	id	date	dob	email	fname	guest	lname	phonenumber	room
1	1	90/09/123	11-09-1998	technicalreetu1234@gmail.com	Reetu	NULL	Shrivastava	+919340885916	NULL
2	2	90/09/123	11-09-1998	technicalreetu1234@gmail.com	Reetu	NULL	Shrivastava	+919340885916	NULL

Below the result grid, the 'Output' pane shows the executed SQL query: 'SELECT * FROM hotelmanagement.employee LIMIT 0, 1000'. A message indicates '2 row(s) returned'.

Payment Form:

The screenshot shows a web browser window with the URL 'localhost:9090/Project/payment_form'. The page displays a 'Payment Form' with the following fields:

- Name:
- Email Id:
- Contact No.:
- Address:
- City: Pin Code:
- Payment Method:
-

Payment Form with Data:

A screenshot of a web browser window titled "localhost:9090/Project/payment_form". The page displays a "Payment Form" with the following fields filled in:

- Name: Reetu Shrivastava
- Email Id: technicalreetu1234@gmail.com
- Contact No.: 9876554444
- Address: HOUSING COLONY WARD NO. 12 BHIND (M.P)
- City: BHIND
- Pin Code: 477001
- Payment Method: COD

At the bottom is a large purple "PROCEED FOR PAYMENT" button.

Successful Payment Done:

A screenshot of MySQL Workbench showing the "payment" table in the "hotelmanagement" schema. The table has the following columns: id, account_holdername, address, card_no, card_type, city, contact_no, cvv, email, exp_date, and name.

The current data in the table is:

id	account_holdername	address	card_no	card_type	city	contact_no	cvv	email	exp_date	name
1		HOUSING COLONY WARD NO. 12 BHIND (M.P)		visa	BHIND	987655		technicalreetu1234@gmail.com		Reetu Shrivastava
2		HOUSING COLONY WARD NO. 12 BHIND (M.P)		visa	BHIND	9876554444		technicalreetu1234@gmail.com		Reetu Shrivastava
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Below the table, the "Action Output" pane shows the following log entries:

#	Time	Action	Message
37	14:08:50	SELECT * FROM hotelmanagement.formview LIMIT 0, 1000	1 row(s) returned
38	15:56:10	SELECT * FROM hotelmanagement.form LIMIT 0, 1000	2 row(s) returned
39	16:32:03	SELECT * FROM hotelmanagement.payment LIMIT 0, 1000	2 row(s) returned

Thank you