

## About

HTRMS (Hotel Time Reservation Management System) HTRMS is a web application designed to manage hotel slot reservations and user interactions. Built using Flask for the backend and React for the frontend, the application allows users to view available slots, book reservations, and manage hotel menus. The system provides a user-friendly interface to facilitate seamless interactions between users and hotel services.

## Features -

### User Signup and Signin:

Users can create accounts and sign in to access their booking

### Book Slot and place order:

Users can view available slots by date and time, and book slots directly through the application.

And also can select items and place order from menu- =

### Menu and slot Management:

Admin users can manage menu items and slots, allowing for easy updates

## ## Backend Setup Instructions

### 1. \*\*Clone the Repository:\*\*

Open your terminal and run the following command to clone the repository:

```
``bash
```

```
git clone https://code.umd.edu/nikhilvb/enpm680fall2024project-nikhilvb.git
```

```
git checkout Phase3
```

```
git pull
```

### Create a Virtual Environment:

```
python -m venv venv
```

**Install Required Packages:** Use pip to install the required packages from requirements.txt:

```
bash
```

```
Copy code
```

```
pip install -r requirements.txt
```

**Run the Flask Application:** Before running the application, set the FLASK\_APP environment variable to point to your main application file (usually app.py):

### On Windows:

```
bash
```

```
Copy code
```

```
set FLASK_APP=app.py
```

### On macOS/Linux:

```
bash
```

Copy code  
export FLASK\_APP=app.py

After that, you can run the application:

bash  
Copy code  
flask run

2. The Flask server will typically run at <http://127.0.0.1:5000>.

**##Front End setup**  
cd HTRMS/frontend

**Install Node.js and npm:** Make sure you have Node.js and npm installed. You can download them from [Node.js Official Site](#).

**Install Required Packages:** Use npm to install the required packages from package.json:

bash  
Copy code  
npm install

**Run the React Application:** Start the React development server by running:

bash  
Copy code  
npm start

It navigates to your default browser opening HTRSM web page.

**For admin use** , I have created a hard coded user with  
username admin  
Password admin123

You can sign in using these credentials to access functionalities like Add slot , Edit Slot, Add Item.

**For user role:**

You can create new user using landing signup page and using created credential you can use user functionalities like book slot place order.

**I have added Test cases in Unit\_Test folder**