# **Setup Documentation**

## **Backend Setup Instructions**

### **1. Clone the Repository**

Open your terminal and run the following commands to clone the repository and switch to the desired phase:  
bash  
Copy code  
git clone https://code.umd.edu/nikhilvb/enpm680fall2024project-nikhilvb.git

git checkout Phase3

git pull

### **2. Create a Virtual Environment**

Create a Python virtual environment to manage your dependencies:  
bash  
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python -m venv venv

### **3. Install Required Packages**

Activate your virtual environment and install the required dependencies using requirements.txt:  
bash  
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pip install -r requirements.txt

### **4. 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 setting the environment variable, run the Flask server:  
bash  
Copy code  
flask run

* The Flask server will typically be available at: http://127.0.0.1:5000.

## **Frontend Setup Instructions**

### **1. Navigate to the Frontend Directory**

Change to the frontend directory of your project:  
bash  
Copy code  
cd HTRMS/frontend

### **2. Install Node.js and npm**

* Ensure that you have Node.js and npm installed. If not, download and install them from the [Node.js official website](https://nodejs.org/).

### **3. Install Required Packages**

Install the frontend dependencies specified in package.json:  
bash  
Copy code  
npm install

### **4. Run the React Application**

Start the React development server by running:  
 bash  
 Copy code  
 npm start

* This will automatically open your default browser and navigate to the **HTRMS** web page.