

# Project Documentation

## Project Title

HR Management System

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## 🔧 Tech Stack Used

Layer	Technology Used
Frontend	HTML, CSS, JavaScript
Backend	Flask (Python framework)
Database	MySQL
Tools	XAMPP (for MySQL server), VS Code (code editor)

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## 📁 Project Structure

```
project/
├── app.py                # Flask backend
├── templates/
│   ├── signin.html      # Login Page
│   ├── employee.html    # Employee Dashboard
│   ├── manager.html     # Manager Dashboard
│   ├── admin.html       # Admin Dashboard
│   └── hr.html          # HR Dashboard
├── static/
│   └── css/
│       └── style.css    # Common styles
└── hr_db (MySQL Database)
    ├── users table      # Stores user info (name, email, password, role)
    └── attendance table # Stores employee attendance and leaves
```

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## ⚙️ How to Run

### Step 1 — Install Tools

- Install XAMPP and start **MySQL** server
  - Install Python (3.10 or later)
  - Install VS Code
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## Step 2 — Setup Database

1. Open MySQL Workbench or phpMyAdmin
  2. Create Database:
  3. Create Tables:
  4. Insert some sample data into `users`.
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## Step 3 — Install Python Packages

Open terminal in project folder and run:

```
pip install flask mysql-connector-python
```

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## Step 4 — Run Flask App

In terminal:

```
python app.py
```

### Output:

```
* Running on http://127.0.0.1:5000
```

Open browser → Go to `http://127.0.0.1:5000`