# Deployment Playbook

## Back end Setup

Run the following commands to install dependencies:

* install python
* install pip- python -m pip install --upgrade pi
* install uvicorn  - pip install uvicorn
* pip install crewai\_tools
* pip install fastapi
* pip install jsons
* pip install -U langchain
* pip install -U langchain langchain-community
* pip install langchain-google-genai
* pip install langchain-cohere
* pip install chromadb
* pip install autogen
* pip install tensorflow
* pip install transformers
* pip install tf-keras

Now, start the server using command python –m uvicorn:main app –reload

## Front end setup

1. visit the [Lovable Project](https://lovable.dev/projects/f4514288-637c-4721-bd9f-732232eb7e51) and start prompting.
2. Changes made via Lovable will be committed automatically to github repo.
3. If we want to work locally using your own IDE, you can clone this repo and push changes. Pushed changes will also be reflected in Lovable.
4. The only requirement is having Node.js & npm installed - [install with nvm](https://github.com/nvm-sh/nvm#installing-and-updating)

Run following comments.

# Step 1: Clone the repository using the project's Git URL.

git clone <YOUR\_GIT\_URL>

# Step 2: Navigate to the project directory.

cd <YOUR\_PROJECT\_NAME>

# Step 3: Install the necessary dependencies.

npm i

# Step 4: Start the development server with auto-reloading and an instant preview.

npm run dev

## Health Check Module

1. Install Python 3.11 and set up the virtual environment.
2. Activate the virtual environment and install dependencies using the requirements.txt file.
3. Start the Flask application locally by running the appropriate Python script.
4. Start Prometheus using the provided configuration file.
5. If using Docker, build and start all services with Docker Compose.
6. Access the Flask application through the designated localhost URL.
7. Access Prometheus through its assigned localhost port.