



# Assignment1 Problem Statement-9

## Instructions for Running the Application Locally

### Prerequisites

1. **Python:** Ensure you have Python installed (preferably version 3.6 or higher).
2. **pip:** Ensure you have `pip` installed to manage Python packages.
3. **Virtual Environment:** It's recommended to use a virtual environment to manage dependencies.

### Step-by-Step Guide

1. **Clone the Repository** If the project is in a repository, clone it using:

```
bash
Copy code
git clone <repository_url>
cd <repository_directory>
```

2. **Set Up Virtual Environment** Create and activate a virtual environment:

```
bash
Copy code
python -m venv venv
source venv/bin/activate # On Windows: venv\Scripts\activate
```

3. **Install Dependencies** Install the required Python packages:

```
bash
Copy code
pip install flask networkx
```

4. **Directory Structure** Ensure your directory structure looks like this:

```
your-flask-app/  
├── app.py  
├── templates/  
│   └── index.html  
├── static/  
│   ├── image.png  
│   ├── styles.css  
│   └── script.js  
└── ...
```

5. **Add Frontend Files** Place your frontend files in the appropriate directories:

- o index.html in the templates/ directory
- o styles.css and script.js in the static/ directory
- o image.png (the logo image) in the static/ directory

6. **Run the Flask Application** Start the Flask development server:

```
bash  
Copy code  
python app.py
```

You should see output indicating that the Flask server is running on <http://127.0.0.1:5000/>.

```
C:\Users\divysing\Downloads\Final NLPA\NLPA Assignment 1>python app.py  
* Serving Flask app 'app'  
* Debug mode: on  
WARNING: This is a development server. Do not use it in a production deployment.  
Use a production WSGI server instead.  
* Running on http://127.0.0.1:5000  
Press CTRL+C to quit  
* Restarting with stat  
* Debugger is active!  
* Debugger PIN: 504-024-609
```

7. **Access the Application** Open your web browser and navigate to <http://127.0.0.1:5000/> to access the application.