<center>INSTALLATION GUIDE</center>

System Requirements

Linux Ubuntu version 22 or higher

How to Use the Application

Follow these steps to install and use the tools required for this application.

Step 1: Download the Test Dataset

- The dataset name is EventLog.xlsx. Download it from this link.

Step 2: Download and Set Up Neo4j Desktop

1. Download Neo4j Desktop version 1.5.9 from Neo4j Download Page.
   https://neo4j.com/download/
2. Fill out the form, click "Download Desktop," and copy the provided activation code.
3. Create a project and local DBMS:
   - Click on Add > Local DBMS.
   - Choose any name and set the password to 12345678.
   - Select version 5.17.0 and click Create.
   - Select the project, go to the Plugins tab, install APOC, and then click Start.
   - (Optional) Run :config autoComplete:false in the query to hide unrelated relationships.

Step 3: Install Chromedriver

1. ince the project uses automated web tests with Selenium WebDriver and Google Chrome, you need to install Chromedriver:
2. Install Google Chrome (if not already installed).
3. Check your Chrome version: Open Chrome, go to Settings > About Chrome to find the version.
4. Download the matching ChromeDriver from ChromeDriver.
5. Unzip the downloaded file and move it to /usr/bin/:

```
sudo mv chromedriver /usr/bin/

sudo chmod +x /usr/bin/chromedriver
```

6. Verify the installation:
```
chromedriver --version
```

Step 4: Download the Repository and Create a Django Project

1. Download the repository and open it in a Python IDE (PyCharm recommended).
2. Place the downloaded files into the project directory.

Step 5: Install Required Python Packages

```
pip install --upgrade pip

pip install Django channels channels_redis daphne uvicorn whitenoise psycopg2-binary dj-database-url python-decouple psycopg2 gunicorn reportlab pandas openpyxl neo4j PyMuPDF PyPDF2 selenium graphviz
```

Step 6: Install Required Applications

```
sudo apt update

sudo apt install nginx libpq-dev python3-dev graphviz
```

Step7: Run the Application

Run the application using the terminal:

```
uvicorn mydjangoapp.asgi:application --host 127.0.0.1 --port 8000
```