1. Prerequisites

- Node.js: Ensure that Node.js is installed on your system. You can download the LTS from
  https://nodejs.org/en
- npm Packages: Open a terminal and navigate to the project directory. Run the following command
  to install the required npm packages.

```
npm install
```

2. Set the configuration

- In `config.js`
- `NETWORK_URL` : The URL of the network server, set to "http://localhost:3000".
- `NETWORK_PORT` : The port number of the network server, set to 3000.
- `MIDDLEWARE_URL` : The URL of the middleware server, set to "http://localhost:8080".
- `MIDDLEWARE_PORT` : The port number of the middleware server, set to 8080.
- `NUM_APPS` : The number of applications in the environment, default set to 3.

3. Run the network server

- Open a new terminal and navigate to the project directory. Run the following command

```
node server.js
```

4. Run the middleware server

- Ensure the network server is running.
- Open a new terminal and navigate to the project directory. Run the following command

```
node middleware.js
```

5. Run the test file

- Ensure the network and middleware servers are running.
- In `config.js` , set the desired NUM_APPS. By default, it is assumed to be 3 applications.
- Open a new terminal and navigate to the project directory. Run the following command

```
node test.js
```