The following setup guide has only been tested on Windows. However, download links are also provided for other OSs.

If there are any issues setting up, you can email me at [e0775653@u.nus.edu](mailto:e0775653@u.nus.edu)!

1. If your machine does now have Docker Desktop, follow the instructions under this step. If not, move on to Step 2.
   1. Download **Docker Desktop**
      1. Windows: <https://docs.docker.com/desktop/install/windows-install/>
      2. MacOS: <https://docs.docker.com/desktop/install/mac-install/>
      3. Linux: <https://docs.docker.com/desktop/install/linux/>
   2. Run the newly downloaded **Docker Desktop Installer** (Install Docker Desktop on your machine)
      1. Install with all the preselected options.
      2. Close and restart your machine when asked to.
2. Download the **app’s codebase**: <https://github.com/venuslimm/DE-Web-Learning-App> and unzip it.

A screenshot of a computer

Description automatically generated

1. In the root folder of the unzipped app, make a copy of `**template.env**` file and rename it to `**.env**`. In `**.env**` file, there is a key-value pair `**OPENAI\_API\_KEY: key`**, ignore it.
2. Run **Docker Desktop** and open a **terminal**.
   1. Windows: Click on the Windows icon on the bottom left of your screen and
      1. Type `**Docker Desktop**`to run Docker Desktop.
         1. If this is your first time running the Docker Desktop, accept all the preselected options and skip the logging in. You will be directed to the main page.
         2. It will state that Docker Engine is stopped. It should be running after 5 minutes.
      2. Type `**cmd**` to open a terminal.
3. On the **terminal**:
   1. Go to the directory where the zip contents are located at. The directory path can be copied from the File Explorer showing the contents in the unzipped file.
      1. Enter on the terminal: `**cd *dir\_path***`where *dir\_path* is the path from the File Explorer.
   2. Enter on the terminal:`**docker compose up**` to run the app.

A screenshot of a computer screen

Description automatically generated

(a)

(b)

(a)

* 1. All containers should be running if there is no clash in the usage of port numbers (ports 3000, 4000, 5000, 7000, 6789, 9092)
     1. If **kafka** and **streaming-data\_be** containers are not running, open **Docker Desktop** and run **kafka** container manually. When **kafka** has officially boot up, run **streaming-data\_be** manually.

1. Open Google Chrome browser and go to [**http://localhost:3000/**](http://localhost:3000/) when all the containers are running successfully from Step 4(b).