# Installation and Start-up

To get the Web Application up and running, we need to install two environments: the Backend and the Frontend.

* **Source Code Download:** There source code for this project is in a Github Repository. There are two ways to get the source code from there. First, download the source code as a zip file by visiting the repository. Second, by cloning the git repository. But cloning will require Git and Git Large File System installed on the system.

* **Backend Installation:** The backend is a python environment therefore we need to install python first. It will be more beneficial if we use an IDE called Pycharm which comes with “venv” for python virtual environments.
  + Download and Install PyCharm.
  + Open the path “*/AssistFlaskBackend*” as a project in PyCharm.
  + Navigate to the “*requirements.txt*” file in the pycharm file section and open it.
  + Install the “*requirements.txt*” file
  + Navigate to “*Application.py*” file and run it. The backend development server will come up on port 5000.

* **Frontend Installation:** The frontend is a NodeJS runtime, therefore we need to install NodeJS and then install the necessary libraries.
  + Download and Install NodeJs
  + Open a command prompt (terminal) and navigate to “*/assistFrontend”*
  + Type “*npm install*” to install all the dependencies
  + Type “*npm start*” to start the ReactJS development server.
  + The frontend will come up on port 3000.
* As soon as the frontend is up, a browser window will open in <http://localhost:3000> and the website will be up and running.