

USER MANUAL

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1 Download and Setup

The following steps need to be followed diligently for the correct setup of the tool in your machine.

Step 1: **Prerequisite:** Users must have NodeJS (version ≥ 10.16) environment setup and any JavaScript Editor (Visual Studio Code preferable) installed in their machine. And PostgreSQL (version ≥ 13.2) along with pgadmin4.

Step 2: **Download:** The user needs to download the Github repository ¹

Step 3: **Setup Database:**

- In the main directory go to src/server.
- Open the Database.sql file with a text editor.
- Go to pgAdmin 4.
- Open the servers and right click on databases to create a new database.
- Create a database named 'reproject'. Keep the owner as postgres.
- Open the query tool from the Tools.
- Copy the first two create commands from the Database.sql file and paste them in the query tool.
- Run the query.
- Go to the server directory again and open 'queries.js' file with a code editor.
- Check the database details mentioned at the beginning of the file. Update the password and port according to the ones you created during PostgreSQL installation.
- Save the file and close it.

Step 4: **Setup Backend:**

- Open a Command Line Tool in the server directory.
- Run command **npm install** to install all the backend libraries.

¹ https://github.com/re-2021/SLC_Dashboard

- After that run **node firstiteration.js** to get the values for the first iteration.
- You will see some values displayed as the output.
- Replace those values in the insert command mentioned in the Database.sql file.
- Copy the insert command and paste in into the query tool of the pgAdmin4.
- Run the query.
- In the command line, run **node index.js** to start the server.

For more details, watch [Install_SLC_Dashboard.mp4](#) video provide in the repository¹

2 Opening the Tool Interface

Once the backend setup is complete without any errors, users can run the frontend and start using the Tool. To open the tool, follow the given steps:

Step 1: Open the client file with command prompt (cmd) and run the command-

npm install

The above command will install all the dependencies and the packages that are required for the tool to run.

Step 2: After the above step is complete, run the following command-

npm start

The above command will start the tool on the server at localhost:3000. Now the user will be able to see the tool interface and can visualize the data.

Step 3: **Buttons Function:**

- **Graph View:** This will redirect the user to the graphical representation of the tabular data where you can visualize the data.

¹ https://github.com/re-2021/SLC_Dashboard

- **Update Dashboard:** This will insert the new iteration in the table with the updated number of SL Props, Goals, and Actors.
- **View Constraints and Goal Model:** users will be able to see SL Props and Goals for each iteration by selecting an actor and iteration. **This is yet to be implemented. It is for future work.**

For more details, watch [Dashboard_working.mp4](#) video provide in the repository¹

¹ https://github.com/re-2021/SLC_Dashboard