

User Manual - Multidimensional Web Plotter

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1 Using the Application

The application is web-based and can be accessed through a browser. To access the application hosted by the student, visit:

`https://web-plotter-app-ajqwh.ondigitalocean.app/v2`

Each of the user controls have instructions on what they do, for further instructions also view the 'help' tab in the top right.

A .CSV file with named headers (First row) would need to be uploaded to populate the graph. If nothing appears, double check at what position points are rendered in the Data Management tab and to what dimensions columns are applied. Then navigate using the movement controls to view those values on the graph.

It is also possible to rotate the graph by clicking and dragging on the graph view. Controlling the view is also possible through the mouse scroll wheel. These are all mouse based versions of the same controls available through the UI in the right side bar.

2 Building the Application

With the source code further attached in the appendix (See Report) It is possible to launch any version of the application for running locally. For this, you would need node.js installed and running. Then navigate to the project root directory and run the following commands in node.js.

'npm install' This installs all dependencies.

'npx parcel index.html' To start the parcel development server, then navigate to the displayed local address returned.

To build a set of static files to be hosted on a server, alternatively run **'npx parcel build index.html'** and upload the files in the dist folder to a web server.