**Concentrix – Fullstack MERN Challenge**

The 'Concentrix Chart' application is for creating different charts for the dashboard. In this application, we can manage the charts, and in the dashboard, we can rearrange charts as per our wish. In the dashboard left panel, it will show the list of charts created by us. If you want to display it in the dashboard, drag it from the left to right panel. It will show a detailed view of the chart. For creating a new chart, just click on the 'Manage Charts' link. It will open the manage chart page on the left panel. It will show the list of charts on top of the list. A blue list drag and drop list from the left panel to the right panel. Pop the empty form with default names. Fill the form, select the type of chart you want, and load the CSV file using the 'Select CSV file' button. Once loaded, you will get a toast message on the right top corner. After that, you can click on the Preview button. You can see the chart view on the right side. By selecting the check box, it will display in the Right panel of the dashboard page. Otherwise, it will show in the list on the left panel on the dashboard page.

Then save the chart. Now it will show on the left panel. You can delete it by clicking the red cross button or update it by dragging and dropping it from the left panel to the right panel. As of now, I don't have time to save the labels for X-axis and Y-axis. I developed this one with below complete MERN(MongoDB, Express JS, React JS and Node JS) Stack Architecture. Apart from that, I implemented Neumorphism, or soft UI, a visual style that combines background colours, shapes, gradients, highlights, and shadows to ensure graphic intense buttons and switches.

I used the below libraries for this project.

**"axios": "^0.18.0",**

Axios is a popular, promise-based HTTP client that sports an easy-to-use API and can be used in both the browser and Node.

**"react-beautiful-dnd": "^13.1.0",**

React Beautiful DnD is an accessible drag and drop library

**"react-bootstrap": "^1.6.1",**

React-Bootstrap replaces Bootstrap JavaScript. Each component has been built from scratch as an actual React component, without unneeded dependencies like jQuery.

**"react-confirm-alert": "^2.7.0",**

Small library, which makes your Dialog component callable.

**"react-csv-reader": "^3.3.0",**

react-csv-reader ... React component that handles csv file input. It handles file input and returns its content as a matrix

**"react-toastify": "^7.0.4",**

React-Toastify allows you to add notifications to your app with ease. No more nonsense!

**"recharts": "^2.0.9",**

Recharts is a Redefined chart library built with React and D3



