

## **Visual Tree Display for Sort Stacks**

### **Client**

Kinective

<https://www.kinective.io/>

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### **Background**

Kinective offers a modernized data warehouse platform for banks and credit unions. Our customers use the platform to integrate many data sources into a single place, where they can visualize and analyze their data within this platform.

### **Project Goals and Requirements:**

The current linear display for sort stacks lacks clarity, especially when dealing with nested logic or large datasets. This makes maintenance prone to error and increases the time required to audit stack configurations. Introduce a nested tree structure to represent the stack's logic. This visualization should map the parent-child relationships inherent in the sorting parameters, providing a "birds-eye view" of the entire logic flow.

### **Suggested Team size and Location**

3-4 students. Work can be done from CSM campus or elsewhere (connecting to our remote dev environment) or at our office in the Golden Area.

### **Skills/Experience for CSM Students:**

You will learn how to build user interfaces for web applications. Skills will include:

- Javascript, the majority of the project will be programmed using Javascript, with some HTML and CSS for developing the AI agent UI.
- Experience in MySQL and other database flavors for uploading and data pipelines.
- PHP backend, most of our infrastructure is PHP.

Note: All intellectual property developed as part of this project will be owned by Datava, Inc.