

## Project 1 Quick Reference Guide: Evan Lee

This Project 1 has three functional components: Menu Bar, Editor, Header, and Bar Graph. I will explain what each component does and how they are connected.

### Header Component:

1. Displays the title "Project 1."
2. Shows the current file name, defaulting to "pr1" upon loading. The file name updates when new files are loaded.

### Bar Chart Component:

1. Hovering over a bar displays a tooltip at the top of the bar with the bar's X and Y values.
2. Clicking a bar turns it red, and the tooltip will also be red when hovering over this selected bar.
3. Includes X labels, X values, Y labels, Y values, title, grid lines, and the bars themselves.

### Editor Component:

1. Allows editing of the graph's title, X labels, X values, Y labels, and Y values, with real-time updates reflected on the bar chart.
2. Provides functionality to add empty X and Y value lines, with an "Add" button that extends the bar chart with an additional bar.
3. Permits removal of X and Y value lines, which also removes the corresponding bar from the bar chart.

### Menu Bar Component:

1. Positioned at the top of the webpage with a "File" button.
2. The "File" button contains four options: New, Load, Save, Save As.
  - a. New: Loads a skeleton file named "Untitled" for customization.
  - b. Load: Displays files in local storage for selection and loading, updating both editor and bar chart.
  - c. Save: Saves the current data to local storage, with additional prompts for naming and overwrite confirmation.
  - d. Save As: Offers saving of a new file with prompts for file naming and handling duplicates.