**Interactive Web App Project Document**

**Student name: Jeffrey sievers**

**Student ID: 20220020**

**Project Overview**

The Interactive Web App project involves creating a user-friendly web application that functions as a calculator. This application allows users to perform basic arithmetic operations and includes additional features like a close/reopen option.

**User Interface Design and Web Accessibility**

**UI Design Principles**

**Consistency:** The user interface maintains a consistent color scheme, typography, and button styles across the app.

**Hierarchy**: The display area is positioned prominently at the top, ensuring clear visibility of input and results.

**Feedback**: Buttons respond visually to user interactions, changing color on hover for intuitive feedback.

**Whitespace**: Adequate spacing between UI elements enhances readability and reduces visual clutter.

**Web Accessibility Principles**

**Semantic HTML**: Semantic elements such as `<button>` and `<input>` are used for better screen reader compatibility and document structure.

**Features and Functionalities**

**Basic Arithmetic Operations**: Users can perform addition, subtraction, multiplication, and division calculations using the calculator.

**Clear Functionality**: The "C" button clears the current input and resets the calculator to its initial state.

**Calculation Result**: The result of calculations is displayed in the input field for easy reference.

**Responsive Design**: The calculator's layout adjusts seamlessly across various screen sizes and devices.

**User Feedback**: Visual cues, such as button color changes on hover, enhance user interaction.