

Task: Build a Calculator Web Application

Instructions:

1. Language and Framework:
 - Use ASP.NET Web Form or Node.js to develop the web application.
 - Choose the preferred language and framework based on your expertise and comfort.
2. Calculator Functionality:
 - Create a web page where users can input **math equations** and get the result.
 - Include the basic math operations: addition '+', subtraction '-', multiplication '*', division '/', and parentheses '()'
 - Ensure that the order of operations is preserved while performing calculations.(e.g. if a user type "1+2x", the calculator needs to calculate 2*x first before the summation)
3. Database Integration:
 - Use a local **sql database** of your choice (e.g., SQLite, MySQL) to save and store math equations. (no-sql db is not allowed)
 - Implement functionality to save the entered math equations to the database.
 - When a user visits the application, display the previously stored equations from the database.
4. Equation Parameterization:
 - Allow users to assign values to the parameters in the equations.
 - Provide an interface for users to input values for each parameter in the equation.
 - Implement the calculation logic to substitute parameter values into the equation and evaluate the result accordingly.
5. Submission:
 - Provide clear and concise readme on how to run the application locally.
 - Include instructions for setting up the local database and any additional dependencies.
 - Submit the complete source code, including the database schema, if applicable, along with any relevant documentation, through **Github**.
 - Provide all unit tests ran on the source code
 - Submit the assessment within 4 days. Notify the team if more time is needed.