https://github.com/TaranRickard/minitab-interview

1 Project Overview
1.1 Executive Summary

Create a React Application to be reviewed by interviewers and discussed during interview.

1.2 Project Stakeholders

Client:
- Martin Johnson – Software Engineering Manager
- Jeremy Zerbe – Software Engineering Manager
- Tyler Napikoski – Advisory Staff Software Engineer
- Jennifer McCabe – Global Director Talent Acquisition and Development
    - jmccabe@minitab.com

Development:
- Taran Rickard – Applicant
    - tbr5094@psu.edu   484-949-5540

2 Project Description
2.1 Functional Requirements

Minitab Pre-Interview Assignment

Create a React application that contains a form which meets the requirements listed below. We recommend the use of something like create-react-app to make installation and set up easy, but whatever means you choose the steps to install and run the application from the command line should be clearly documented (e.g. "npm install", "npm start"). In addition to React, you are free to use any other 3rd party JavaScript libraries would aid in implementation.

The form should look like this:

Sample size:

Sample mean:

Standard deviation:

☐ Perform hypothesis test

Hypothesized mean:

OK   Reset

(note: style and appearance do not need to be an exact match, we're mostly looking for functionality)

The fields have validation rules as follows:

- Sample size: whole number >= 2
- Sample mean: any numeric value
- Standard deviation: any numeric value > 0
- Hypothesized mean: any numeric value

Additional behavior:

- If "Perform hypothesis test" is checked, the Hypothesized mean label and input field should become enabled
- When the OK button is clicked:
  - If any of these fields contain an invalid value, a message should appear indicating what is at fault
  - If all values are valid, the values that the user entered should be displayed in a simple table
- The Reset button should set the state of the form back to its initial values

2.2 Non-Functional Requirements

- Installation/ Setup Directions packaged with source code
- Production Build with all dependencies packaged with source code
- Able to run on all common browsers

3 Program Planning
3.1 Release Plan

Tuesday 1/12/2021
- Initial Planning

Wednesday 1/13/2021
- Resources Assigned

Thursday 1/14/2021
- v1.0 release