Assessment Description

**Overview**

In this assignment, you will design and build a front-end web application using React. The React application will be integrated with the REST APIs using the Express/NodeJS framework from the previous milestone assignment.

The React application should implement the ability to list, create, read, update, and delete a "product."

You will also provide a screencast that includes a functional demonstration of the application as specified in the instructions below.

**Note:** The PowerPoint presentations are going to come together in the "Benchmark - Milestone 6: Testing & Presentation" assignment at the end of the course. While they are independent, keep in mind the need for a unified style of presentation.

**Instructions**

Update the design report to include:

1. A section briefly describing any design updates. Your design report should not be different from the software you've delivered. If so, either change the design report or note the differences as known issues (e.g., TO DO items).
2. Any updates you may have made summarized in a table. The same table can denote known issues.
3. Completed REST API documentation. Use Postman or other automated documentation tools.

Apply the following functional and technical requirements to the React application:

1. Ability to list, create, read, update, and delete a "product."
2. Use of application navigation and a Bootstrap NavBar.

Create a PowerPoint presentation with a focus on this Milestone. Make sure to address:

1. Challenges encountered during the project.
2. Pending bugs or issues remaining in the solution.
3. Lessons learned that could be leveraged in future web application projects.

Create a screencast. Make sure to show:

1. Application navigation.
2. Create, read, update and delete operations from the perspective of the UI.
3. The effect of create, update, and delete operations in the UI.

**Note:** Unless you've modified your database or API, you do not need to demonstrate these low-level details. That was covered in Milestone 3.

**Deliverables**

The following are the deliverables that will be required to be submitted for this milestone assignment:

1. Updated design report. You can use Postman's tools to document the API you've been testing in Postman.
2. URL link to screencast
3. URL to the GIT repository of the code
4. Project PowerPoint

APA style is not required, but solid academic writing is expected.

This assignment uses a rubric.  Please review the rubric prior to beginning the assignment to become familiar with the expectations for successful completion.