Front End Technologies Week 12 Coding Assignment

Points possible: 70

| Category | Criteria | % of Grade |
|---------------|--|------------|
| Functionality | Does the code work? | 25 |
| Organization | Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear. | 25 |
| Creativity | Student solved the problems presented in the assignment using creativity and out of the box thinking. | 25 |
| Completeness | All requirements of the assignment are complete. | 25 |

Instructions: In VS Code, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed. Take screenshots of the code and of the running program (make sure to get screenshots of all required functionality) and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document, with your JavaScript project code, to the repository. Add the URL for this week's repository to this document where instructed and submit this document to your instructor when complete.

Coding Steps:

- 1. Create a full CRUD application of your choice. If you can use an existing API, use AJAX to interact with it. However, you do not have to use an API. If you do not use an API, store the entities you will create, read, update, and delete in an array.
 - a. Use a form to add new entities
 - b. Build a way for users to update or delete entities
 - c. Use Bootstrap and CSS to style your project

Screenshots of Code:

```
<!DOCTYPE html>
       <html lang="en">
       <head>
           <meta charset="UTF-8">
            <meta http-equiv="X-UA-Compatible" content="IE=edge">
           crossorigin="anonymous"></script>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-1BmE4kWBq78iYhFldvKuhfTAUGauU8tT94WrHftjDbrCEXSU10Boqyl2QvZ6jTW3"</pre>
      </nead>
<!--- Here is some of my bootstrap styling, along with stuff styled with plain CSS--->

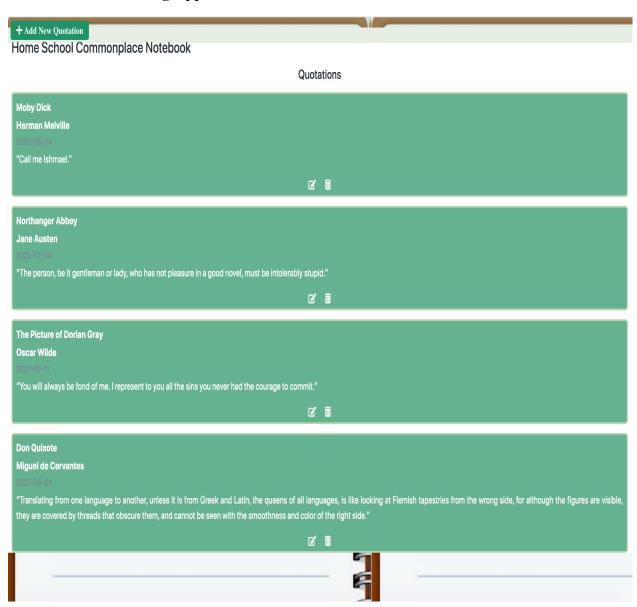
<
               <h5 class="text-center my-3">Quotations</h5>
<div class="row-cols-md-1" id="quotes"></div>
      class="modal fade"
       tabindex="-1"
       aria-labelledby="exampleModalLabel"
       <div class="modal-dialog">
         <h5 class="modal-title" id="exampleModalLabel">Add New Quotation</h5>
                type="button"
                class="btn-close btn-danger"
data-bs-dismiss="modal"
48
49
            div id="modal-body" class="modal-body my-5">
  Book Title
  <input type="text" class="form-control" name="" id="textInput1" />
               <div id="msq1"></div>
               <input type="text" class="form-control" name="" id="textInput2" />
<div id="msg2"></div>
               c>p>Date Read
<input type="date" class="form-control" name="" id="dateInput" />
               <textarea
                 name="
                 class="form-control"
                 id="textarea"
                  rows="5"
             <div class="modal-footer" id="modal-footer">
               <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">
Close
               <button type="submit" id="add" class="btn btn-primary">Add</button>
         <script src="app.js"></script>
<script src="node_modules/jquery/dist/jquery.js"></script>
      </body>
```

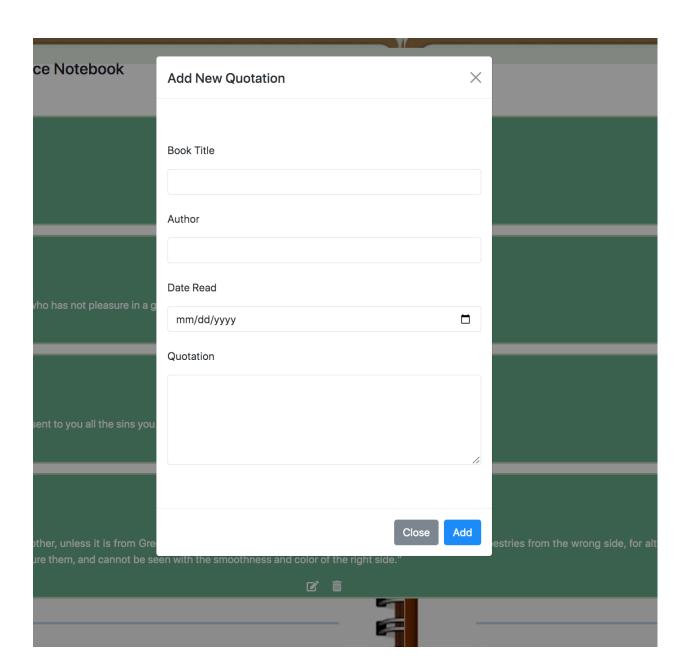
```
JS app.js M X # app.css U ♠ .gitignore
index.html M
     //These are the variables I created for DOM manipulation in JS.
     let form = document.getElementById("form");
     let textInput1 = document.getElementById("textInput1");
     let textInput2 = document.getElementById("textInput2");
     let dateInput = document.getElementById("dateInput");
     let textarea = document.getElementById("textarea");
     let msq1 = document.getElementById("msq1");
     let msg2 = document.getElementById("msg2");
     let quotes = document.getElementById("quotes");
     let add = document.getElementById("add");
     let modalFooter = document.getElementById("modal-footer");
     let modalBody = document.getElementById("modal-body")
     let msg3Holder = document.createElement("span")
     //Below are the various events that I keyed to the form submission— which functions to call form.addEventListener("submit", (e) \Rightarrow {
28
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32
        e.preventDefault();
         formValidation1();
     form.addEventListener("submit", (e) => {
        e.preventDefault();
formValidation2();
     form.addEventListener("submit", (e) => {
39
40
         e.preventDefault();
         textareaValidation();
     form.addEventListener("submit", (e) => {
         e.preventDefault();
          if(textInput1.value != "" && textInput2.value !="" && textarea.value !=""){
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52
            acceptData();
              add.setAttribute("data-bs-dismiss", "modal");
              add.click();
             (() => {add.setAttribute("data-bs-dismiss", "");
       let formValidation1 = () => {
         if (textInput1.value === "") {
           console.log("failure");
msq1.innerHTML = "Book Title cannot be blank";
          } else {
           console.log("success");
            msg1.innerHTML = "";
        let formValidation2 = () => {
  if (textInput2.value === "") {
          console.log("failure");
            msg2.innerHTML = "Author cannot be blank";
         } else {
          console.log("success");
msg2.innerHTML = "";
        let textareaValidation = () ⇒ {
         if (textarea.value === "") {
             console.log("failure");
msg3Holder.innerHTML = "Quotation cannot be blank";
              modalBody.appendChild(msg3Holder);
78
79
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              else {
                 console.log("success");
                  textarea.innerHTML = "";
83
84
       let data = [];
```

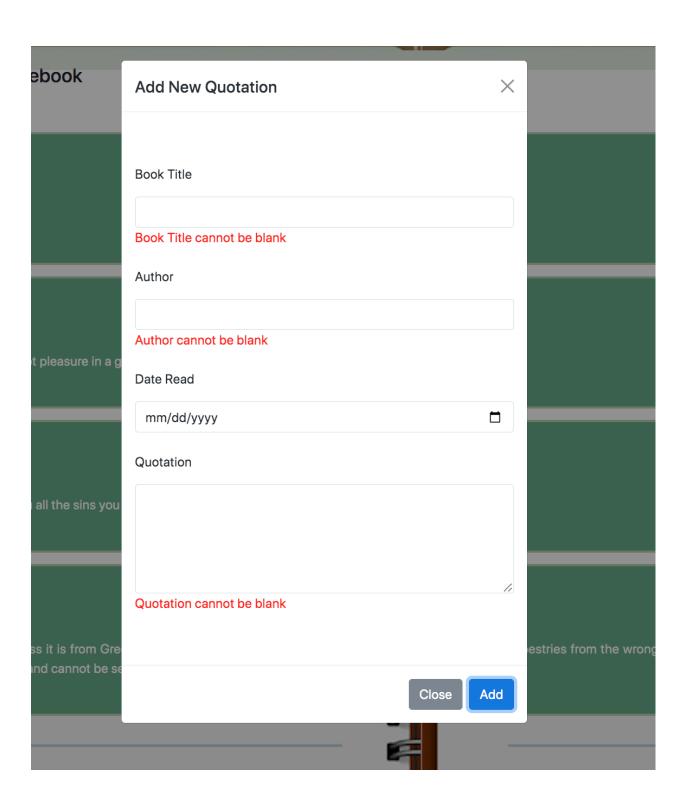
```
index.html M
                  JS app.js M X # app.css U
JS app.js > ...
        let acceptData = () => {
          data.push({
           title: textInput1.value,
            author: textInput2.value,
            date: dateInput.value,
            quotation: textarea.value,
          localStorage.setItem("data", JSON.stringify(data));
          console.log(data);
          createQuotes();
        let createQuotes = () => {
          quotes.innerHTML = "";
          data.map((x, y) \Rightarrow {
            return (quotes.innerHTML += `
             <div class="bg-success p-2 text-white bg-opacity-75 position-relative" id=${y}>
110
                  <span class="fw-bold">${x.title}</span>
                  <span class="fw-bold">${x.author}</span>
                  <span class="small text-secondary">${x.date}</span>
                  ${x.quotation}
                   <i onClick= "editQuote(this)" data-bs-toggle="modal" data-bs-target="#form" class="fas fa-edit"></i>
                    <i onClick ="deleteQuote(this);createQuotes()" class="fas fa-trash-alt"></i>
          resetForm();
        let resetForm = () => {
         textInput1.value = "";
        textInput2.value = "";
         dateInput.value = "";
          textarea.value = "";
          msg3Holder.remove();
        let deleteQuote = (e) => {
          e.parentElement.parentElement.remove();
          data.splice(e.parentElement.parentElement.id, 1);
          localStorage.setItem("data", JSON.stringify(data));
140
          console.log(data);
        let editQuote = (e) => {
          let selectedQuote = e.parentElement.parentElement;
          textInput1.value = selectedQuote.children[0].innerHTML;
          textInput2.value = selectedQuote.children[1].innerHTML;
          dateInput.value = selectedQuote.children[2].innerHTML;
          textarea.value = selectedQuote.children[3].innerHTML;
          deleteQuote(e);
        (() => [ | data = JSON.parse(localStorage.getItem("data")) || [];
          console.log(data);
160
          createQuotes();
        })();
```

```
o index.html M
                  JS app.js M
                                  # app.css U X ♠ .gitignore
# app.css > 😫 body
      body {
          font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
          margin: 0 50px;
          background-image: url("notebook.jpg");
          overflow: auto;
          display: flex;
          justify-content: center;
          align-items: center;
          height: max-content;
 10
        #addNew {
          display: flex;
          justify-content: space-between;
          align-items: center;
          background-color: ☐ rgba(171, 206, 161, 0.35);
          padding: 5px 10px;
          border-radius: 5px;
          cursor: pointer;
        .fa-plus {
          background-color: ■#abcea1;
          padding: 3px;
          border-radius: 3px;
        #msg1, #msg2 {
          color: ■red;
        #modal-body span {
          color: ■red;
        #quotes {
          display: grid;
          grid-template-columns: 1fr;
          gap: 14px;
        #quotes div {
          border: 3px solid ■#abcea1;
          background-color: ■#e2eede;
          border-radius: 6px;
          padding: 5px;
          display: grid;
          gap: 4px;
          text-align: justify;
        #quotes div .options {
          justify-self: center;
          display: flex;
          gap: 20px;
        #quotes div .options i {
          cursor: pointer;
      div {
          inline-size:auto;
          overflow-wrap: break-word;
```

Screenshots of Running Application:







URL to GitHub Repository:

https://github.com/zaccrabtree/commonplacenotebook.git