

### 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:**

```
<title>Project Manager</title>
 <link rel="stylesheet" href="style.css">
 <link rel="stylesheet" href="node_modules/bootstrap/dist/css/bootstrap.css">
<body class="container">
 <div class="modal" id="removeModal" tabindex="-1" role="dialog">
   <div class="modal-dialog" role="document">
         <h5 class="modal-title">Remove Project</h5>
         <button type="button" class="close" data-bs-dismiss="modal" aria-label="Close">
          <span aria-hidden="true">&times;</span>
       <div class="modal-body">
        Are you sure you want to remove this project?
       <div class="modal-footer">
         <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
         <button type="button" class="btn btn-danger" id="confirmRemove" data-bs-dismiss="modal">Remove</button>
 <div id="new-project">
   <h3>Project Manager</h3>
   <div class="row":
      <input type="text" id="project-name" class="form-control" placeholder="Project Name">
     <div class="col-sm">
       <input type="text" id="project-lead" class="form-control" placeholder="Project Lead">
     <div class="col-sm">
     <input type="date" id="project-date" class="form-control">
   <button id="new-project-button" class="btn btn-success form-control mt-1">Add Project</button>
 <script src="node_modules/bootstrap/dist/js/bootstrap.js"></script>
 <script src="node_modules/jquery/dist/jquery.js"></script>
 <script src="index.js"></script>
```



```
// Project class, takes a Project name, Project Lead, and Due da // Members array is used to store members working on the project
    constructor(name, lead, date) {
        this.name = name
        this.lead = lead
        this.members = []
        this.date = date
        this.complete = false
class Member {
    constructor(name) {
        this.name = name
class API {
    static url = 'https://crudcrud.com/api/b26210a0b46f4379a978d71992a56408/unicorns'
    static getAllProjects() {
        return $.get(this.url)
    static getProject(id) {
         return $.get(`${this.url}/${id}`)
    static createProject(project) {
        console.log(project)
        return $.ajax({
            url: this.url,
             dataType: 'json',
             data: JSON.stringify(project),
             contentType: 'application/json',
             type: 'POST'
```





```
static newProject(name, lead, date) {
    API.createProject(new Project(name, lead, date))
        .then(() => {
           return API.getAllProjects()
        .then((projects) => this.render(projects))
static removeProject(id) {
    API.deleteProject(id)
        .then(() => {
            return API.getAllProjects()
        .then((projects) => this.render(projects))
static addTeamMember(id) {
    for (let project of this.projects) {
        if ($(`#${project._id}-member-name`).val() !== '') {
            if (id === project._id) {
                project.members.push(new Member($(`#${project._id}-member-name`).val()))
                API.updateProject(project)
                    .then(() => {
                        return API.getAllProjects()
                    .then((projects) => this.render(projects))
```

```
static deleteTeamMember(id, name) {
    console.log('Running delete team member', id, name)
    for (const project of this.projects) {
        if (id === project._id) {
            console.log('Found matching project')
            for (const member of project.members) {
                if (member.name === name) {
                    console.log('found matching name')
                    project.members.splice(project.members.indexOf(member), 1)
                    API.updateProject(project)
                        .then(() => {
                            return API.getAllProjects()
                        .then((projects) => this.render(projects))
static completeProject(id) {
    for (const project of this.projects) {
        if (id === project._id) {
            project.complete = true
            $(`#${id}`).remove()
            API.updateProject(project)
                .then(() => {
                    return API.getAllProjects()
                .then((projects) => this.render(projects))
```



```
// Listenerevent for the new project button, on click will created a new project using the inputs then set the inputs back to empty string

// Listenerevent for the new project button() (

// S('#project-name').val() !== '' && S('#project-date').val() !== '') {

// ProjectManager.newProject(S('#project-name').val(), $('#project-date').val()) }

// S('#project-name').val(')

// S('#project-date').val(')

// S('#project-date').val(')

// S('#project-date').val(')

// S('#project-date').val(')

// Wodal event that occurs when remove button is pressed, adds confirmation to removing a project.

// Var id = $(event.relatedTarget).parent().parent().parent().parent().attr('id')

// S('#confirmaRemove').on('click', function()

// Console.log('RemoveProject(id)

// Console.log('RemoveProject(id)

// KeyPressEvent for addTeamMember, allows for enter to be used to submit new team member instead of needing to click the button

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```

```
1 .completed{
2    opacity: 0.4;
3    pointer-events: none;
4 }
5
```

**Screenshots of Running Application:** 



### Project Manager Project Name Project Lead mm/dd/yyyy Week 12 Project Complete Project Remove Project Project Lead: Nathan Project Due Date: 2022-08-20 Team Members: Team Member Add Team Member Week 13 assignment Complete Project Remove Project Project Lead: Nathan Project Due Date: 2022-08-27 Team Members: Team Member Add Team Member

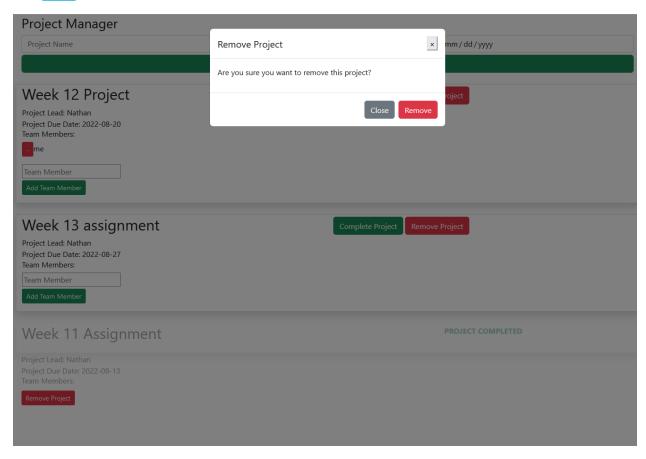
Week 11 Assignment

PROJECT COMPLETED

Project Lead: Nathan Project Due Date: 2022-08-13

Remove Project





URL to GitHub Repository: https://github.com/n-harvey/Week12Project