



Intro to JavaScript Week 5 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 menu app as seen in this week's video. What you create is up to you as long as it meets the following requirements.
 - a. Use at least one array.
 - b. Use at least two classes.
 - c. Your menu should have the options to create, view, and delete elements.

URL to GitHub Repository: <https://github.com/sw-dev-lisa-s-nh/JavaScript-Week5>



Screenshots of Code:

```
js Week5MenuDrivenApp.js > ⌂ Menu > ⓘ viewMusician
1  //
2  //  JavaScript Week 5 Menu Driven App
3  //  Lisa Maatta Smith
4  //  due: 11/13/21
5  //
6
7  class Instrument { // Like a Player
8      constructor(name, section) {
9          this.instrumentName = name;
10         this.section = section;
11     }
12
13     describe() {
14         return `${this.instrumentName} in the ${this.section} Section`;
15     }
16 }
17
18 class Musician { // Like a Team
19     constructor(name) {
20         this.name = name;
21         this.instruments = [];
22     }
23
24     addInstrument(instrument) {
25         if (instrument instanceof Instrument) {
26             this.instruments.push(instrument);
27         } else {
28             throw new Error(`You can only add an instance of Instrument.
29             This argument is not an instrument: ${instrument}`);
30         }
31     }
32
33     describe() {
34         if (this.instruments.length == 1) {
35             return `${this.name} plays ${this.instruments.length} instrument.`;
36         } else {
37             return `${this.name} plays ${this.instruments.length} instruments.`;
38         }
39     }
40 }
41
42 class Menu { // Menu class
43     constructor() {
44         this.musicians = []; // array of musicians
45         this.selectedMusician = null; // manage one musician at a time
46     }
47
48     start() { // entry point to application
49         let selection = this.showMainMenuOptions();
50         while (selection != 0) {
51             switch(selection) {
52                 case '1' :
53                     this.createMusician();
54                     break;
55             }
56         }
57     }
58
59     showMainMenuOptions() {
60         console.log(`\nMain Menu Options:
61         1. Create Musician
62         2. View Musician
63         3. Exit Application`);
64         return parseInt(readlineSync.question(`Please select an option: `));
65     }
66
67     createMusician() {
68         let name = readlineSync.question(`Enter the name of the musician: `);
69         let section = readlineSync.question(`Enter the section of the instrument: `);
70         let instrument = new Instrument(name, section);
71         this.musicians.push(instrument);
72         console.log(`Musician ${name} has been created!`);
73     }
74
75     viewMusician() {
76         let name = readlineSync.question(`Enter the name of the musician to view: `);
77         let foundMusician = this.musicians.find(musician => musician.name === name);
78         if (foundMusician) {
79             console.log(`The musician ${name} plays ${foundMusician.instruments.length} instruments.`);
80             foundMusician.instruments.forEach(instrument => {
81                 console.log(`  ${instrument.describe()}`);
82             });
83         } else {
84             console.log(`No musician found with the name ${name}.`);
85         }
86     }
87
88     exitApplication() {
89         console.log(`Thank you for using the Menu Driven Application!`);
90         process.exit(0);
91     }
92 }
```



PROMINEO TECH

```
55         case '2' :
56             this.viewMusician();
57             break;
58
59         case '3' :
60             this.deleteMusician();
61             break;
62
63         case '4' :
64             this.displayMusicians();
65             break;
66
67         default:
68             selection = 0;
69     }
70     selection = this.showMainMenuOptions();
71 }
72 alert('End of Musician Program!');
73 }
74
75 showMainMenuOptions() {
76     return prompt(`
77     Musician Main Menu:
78     -----
79         0) Exit
80         1) Create a new Musician
81         2) View a Musician
82         3) Delete a Musician
83         4) Display all Musicians
84     -----
85     `);
86 }
87
88
89 showMusicianMenuOptions(MusicianInfo) {
90     return prompt(`
91     Individual Musician Menu:
92     -----
93         0) Return to Musician Main Menu
94         1) Add a new Instrument
95         2) Delete an Instrument
96     -----
97         \t${MusicianInfo}
98     `);
99 }
100
101 displayMusicians() {
102     let musicianString = '';
103     for (let i = 0; i < this.musicians.length; i++) {
104         musicianString += i+ ' ' + this.musicians[i].describe() + '\n';
105     }
106     alert("All Musicians:\n"+musicianString);
107 }
108 }
```



PROMINEO TECH

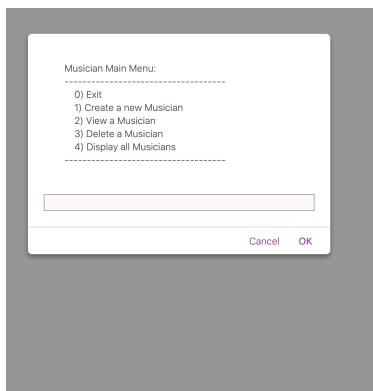
```
109     createMusician() {
110         let name = prompt('Enter the name for new Musician: ');
111         this.musicians.push(new Musician(name));
112         console.log("Musician has been created!")
113     }
114
115     viewMusician() {
116         let index = prompt("Enter the index of the Musician that you want to view:");
117         if (index > -1 && index < this.musicians.length) {
118             this.selectedMusician = this.musicians[index];
119             console.log(`Chosen musician: ${this.selectedMusician.describe()}`);
120             var newSelect1 = 0;
121             do {
122                 let description = "\n Musician Name: " + this.selectedMusician.name + "\n";
123                 if (this.selectedMusician.instruments.length >0) {
124                     description += "\tInstruments:\n";
125                 }
126                 for (let i = 0; i < this.selectedMusician.instruments.length; i++) {
127                     console.log(this.selectedMusician.describe());
128                     description += ` \t\t ${i} ${this.selectedMusician.instruments[i].describe()} \n`;
129                 }
130
131
132                 var selection1 = this.showMusicianMenuOptions(description);
133                 if (selection1 >= 0 && selection1 <=2 ) {
134                     switch (selection1) {
135                         case '1' :
136                             this.createInstrument();
137                             break;
138                         case '2' :
139                             this.deleteInstrument();
140                     }
141                 } else {
142                     console.log("Invalid Selection!");
143                 }
144                 newSelect1 = selection1;
145             } while (newSelect1 != 0); // end of while
146
147         } else {
148             console.log(`Index: ${index} is an invalid Musician's index!`);
149             alert(`Index: ${index} is an invalid Musician's index!`);
150         } // validate user input
151     }
152
153     deleteMusician() {
154         let index = prompt('Enter the index of the Musician that you wish to delete: ');
155         if (index > -1 && index < this.musicians.length) {
156             this.musicians.splice(index,1);
157         } else {
158             throw new Error(`Index: ${index} is an invalid Musician's index!`);
159         } // validate user input
160         console.log("Musician has been deleted!")
161     }
162
163
164     createInstrument() {
165         let name = prompt('Enter name for new instrument: ');
166         let section = prompt('Enter section for new instrument: ');
167         this.selectedMusician.instruments.push(new Instrument(name, section));
168         console.log(this.selectedMusician.describe() + "\n\tInstrument has been created!")
169     }
170
171
172     deleteInstrument() {
173         let index = prompt('Enter the index of the instrument that you wish to delete: ');
174         if (index > -1 && index < this.selectedMusician.instruments.length) {
175             this.selectedMusician.instruments.splice(index,1);
176         } else {
177             throw new Error(`Index: ${index} is an invalid Instrument index!`);
178         }
179         console.log(this.selectedMusician.describe() + "\n\tInstrument has been deleted!")
180     }
181
182 }
183
184 let menu = new Menu();
185 menu.start();
```



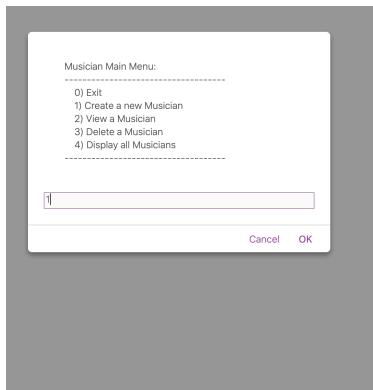
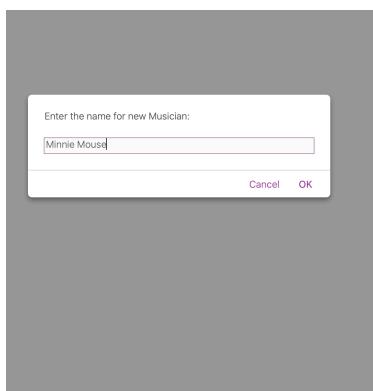
PROMINEO TECH

Screenshots of Running Application:

Musician Main Menu:



Musician Main Menu — 1) Create a new Musician: (called 4 times)





PROMINEO TECH

Musician Main Menu —4) Display all Musicians

All Musicians:

- 0) Minnie Mouse plays 0 instruments.
- 1) Mickey Mouse plays 0 instruments.
- 2) Donald Duck plays 0 instruments.
- 3) Daisy Duck plays 0 instruments.

Close

Console cleared at 8:54:03 PM

↳ ⚡ Musician has been created! 🌟 createMusic... — Week5MenuDrivenApp.js:112
↳ Chosen musician: Minnie Mouse 🌟 viewMusician — Week5MenuDrivenApp.js:119
plays 0 instruments.

> 1

Musician Main Menu — 2) View a Musician:

Individual Musician Menu:

-
- 0) Return to Musician Main Menu
- 1) Add a new Instrument
- 2) Delete an Instrument
-

Musician Name: Minnie Mouse

Cancel OK

Console cleared at 8:54:03 PM

↳ ⚡ Musician has been created! 🌟 createMusic... — Week5MenuDrivenApp.js:112
↳ Chosen musician: Minnie Mouse 🌟 viewMusician — Week5MenuDrivenApp.js:119
plays 0 instruments.

> 1

Individual Musician Menu — 1) Add a new Instrument:

Individual Musician Menu:

-
- 0) Return to Musician Main Menu
- 1) Add a new Instrument
- 2) Delete an Instrument
-

Musician Name: Minnie Mouse

Cancel OK

Console cleared at 8:54:03 PM

↳ ⚡ Musician has been created! 🌟 createMusic... — Week5MenuDrivenApp.js:112
↳ Chosen musician: Minnie Mouse 🌟 viewMusician — Week5MenuDrivenApp.js:119
plays 0 instruments.

> 1



PROMINEO TECH

Individual Musician Menu:

- 0) Return to Musician Main Menu
- 1) Add a new Instrument
- 2) Delete an Instrument

Musician Name: Minnie Mouse

Instruments:

- 0) Piccolo in the Woodwinds Section

Console cleared at 8:54:03 PM

```
[{"id": 1, "text": "\u26a1 \u26bd Musician has been created! \u26a1 createMusician -- Week5MenuDrivenApp.js:112"}, {"id": 2, "text": "\u26a1 Chosen musician: Minnie Mouse \u26a1 viewMusician -- Week5MenuDrivenApp.js:119"}, {"id": 3, "text": "plays 0 instruments."}, {"id": 4, "text": "\u26a1 Minnie Mouse plays 1 instrument. \u26a1 createInstru... -- Week5MenuDrivenApp.js:167"}, {"id": 5, "text": "Instrument has been created!"}, {"id": 6, "text": "\u26a1 Minnie Mouse plays 1 instrument. \u26a1 viewMusician -- Week5MenuDrivenApp.js:127"}]
```

> 1

Enter name for new instrument:

Console cleared at 8:54:03 PM

```
[{"id": 1, "text": "\u26a1 \u26bd Musician has been created! \u26a1 createMusician -- Week5MenuDrivenApp.js:112"}, {"id": 2, "text": "\u26a1 Chosen musician: Minnie Mouse \u26a1 viewMusician -- Week5MenuDrivenApp.js:119"}, {"id": 3, "text": "plays 0 instruments."}, {"id": 4, "text": "\u26a1 Minnie Mouse plays 1 instrument. \u26a1 createInstru... -- Week5MenuDrivenApp.js:167"}, {"id": 5, "text": "Instrument has been created!"}, {"id": 6, "text": "\u26a1 Minnie Mouse plays 1 instrument. \u26a1 viewMusician -- Week5MenuDrivenApp.js:127"}]
```

> 1

Enter section for new instrument:

Console cleared at 8:54:03 PM

```
[{"id": 1, "text": "\u26a1 \u26bd Musician has been created! \u26a1 createMusician -- Week5MenuDrivenApp.js:112"}, {"id": 2, "text": "\u26a1 Chosen musician: Minnie Mouse \u26a1 viewMusician -- Week5MenuDrivenApp.js:119"}, {"id": 3, "text": "plays 0 instruments."}, {"id": 4, "text": "\u26a1 Minnie Mouse plays 1 instrument. \u26a1 createInstru... -- Week5MenuDrivenApp.js:167"}, {"id": 5, "text": "Instrument has been created!"}, {"id": 6, "text": "\u26a1 Minnie Mouse plays 2 instruments. \u26a1 viewMusician -- Week5MenuDrivenApp.js:127"}, {"id": 7, "text": "\u26a1 Minnie Mouse plays 2 instruments. \u26a1 createInstru... -- Week5MenuDrivenApp.js:167"}, {"id": 8, "text": "Instrument has been created!"}, {"id": 9, "text": "\u26a1 Minnie Mouse plays 2 instruments. \u26a1 viewMusician -- Week5MenuDrivenApp.js:127"}]
```

> 1

Individual Musician Menu:

- 0) Return to Musician Main Menu
- 1) Add a new Instrument
- 2) Delete an Instrument

Musician Name: Minnie Mouse

Instruments:

- 0) Piccolo in the Woodwinds Section
- 1) Flute in the Woodwinds Section
- 2) Clarinet in the Woodwinds Section

Console cleared at 8:54:03 PM

```
[{"id": 1, "text": "\u26a1 \u26bd Musician has been created! \u26a1 createMusician -- Week5MenuDrivenApp.js:112"}, {"id": 2, "text": "\u26a1 Chosen musician: Minnie Mouse \u26a1 viewMusician -- Week5MenuDrivenApp.js:119"}, {"id": 3, "text": "plays 0 instruments."}, {"id": 4, "text": "\u26a1 Minnie Mouse plays 1 instrument. \u26a1 createInstru... -- Week5MenuDrivenApp.js:167"}, {"id": 5, "text": "Instrument has been created!"}, {"id": 6, "text": "\u26a1 Minnie Mouse plays 2 instrument. \u26a1 viewMusician -- Week5MenuDrivenApp.js:127"}, {"id": 7, "text": "\u26a1 Minnie Mouse plays 2 instrument. \u26a1 createInstru... -- Week5MenuDrivenApp.js:167"}, {"id": 8, "text": "Instrument has been created!"}, {"id": 9, "text": "\u26a1 Minnie Mouse plays 3 instrument. \u26a1 viewMusician -- Week5MenuDrivenApp.js:127"}, {"id": 10, "text": "\u26a1 Minnie Mouse plays 3 instrument. \u26a1 createInstru... -- Week5MenuDrivenApp.js:167"}, {"id": 11, "text": "Instrument has been created!"}, {"id": 12, "text": "\u26a1 \u26bd Minnie Mouse plays 3 instruments. \u26a1 viewMusician -- Week5MenuDrivenApp.js:127"}]
```

> 1



PROMINEO TECH

Individual Musician Menu — 2) Delete an Instrument:

	<p>Individual Musician Menu:</p> <hr/> <p>0) Return to Musician Main Menu</p> <p>1) Add a new Instrument</p> <p>2) Delete an Instrument</p> <hr/> <p>Musician Name: Mickey Mouse</p> <p>Instruments:</p> <ul style="list-style-type: none"> 0) Tympani in the Percussion Section 1) Triangle in the Percussion Section 2) Bass Drum in the Percussion Section
--	--

- Instrument.
- Instrument has been created!
- Minnie Mouse plays 1 instrument.   Week5MenuDrivenApp.js:12
- Minnie Mouse plays 2 instruments.   Week5MenuDrivenApp.js:16
- Instrument has been created!
- Minnie Mouse plays 2 instruments.  Week5MenuDrivenApp.js:12
- Minnie Mouse plays 3 instruments.   Week5MenuDrivenApp.js:16
- Instrument has been created!
- Minnie Mouse plays 3 instruments.  Week5MenuDrivenApp.js:12
- Chosen musician: Mickey Mouse plays 1 instrument.  Week5MenuDrivenApp.js:11
- Mickey Mouse plays 1 instrument.   Week5MenuDrivenApp.js:16
- Mickey Mouse has been created!
- Mickey Mouse plays 1 instrument.  Week5MenuDrivenApp.js:12
- Mickey Mouse plays 2 instruments.   Week5MenuDrivenApp.js:16
- Instrument has been created!
- Mickey Mouse plays 2 instruments.  Week5MenuDrivenApp.js:12
- Mickey Mouse plays 3 instruments.   Week5MenuDrivenApp.js:16
- Instrument has been created!
- Mickey Mouse plays 3 instruments.  Week5MenuDrivenApp.js:12

Individual Musician Menu:	
<hr/> <ul style="list-style-type: none"> 0) Return to Musician Main Menu 1) Add a new Instrument 2) Delete an Instrument <hr/>	
<p>Musician Name: Mickey Mouse</p> <p>Instruments:</p> <ul style="list-style-type: none"> 0) Tympani in the Percussion Section 1) Triangle in the Percussion Section 2) Bass Drum in the Percussion Section 	
<input type="button" value="Cancel"/>	<input type="button" value="OK"/>

instrument.
Instrument has been created!

Minnie Mouse plays 1 instrument.   Week5MenuDrivenApp.jsc16

Minnie Mouse plays 2 instruments.   Week5MenuDrivenApp.jsc16

Instrument has been created!

Minnie Mouse plays 2 instruments.   Week5MenuDrivenApp.jsc16

Minnie Mouse plays 3 instruments.   Week5MenuDrivenApp.jsc16

Instrument has been created!

Minnie Mouse plays 3 instruments.   Week5MenuDrivenApp.jsc16

Chosen musician: Mickey Mouse plays 0 instruments.

Mickey Mouse plays 1 instrument.   Week5MenuDrivenApp.jsc16

Instrument has been created!

Mickey Mouse plays 1 instrument.   Week5MenuDrivenApp.jsc16

Mickey Mouse plays 2 instruments.   Week5MenuDrivenApp.jsc16

Instrument has been created!

Mickey Mouse plays 2 instruments.   Week5MenuDrivenApp.jsc16

Mickey Mouse plays 3 instruments.   Week5MenuDrivenApp.jsc16

Instrument has been created!

Mickey Mouse plays 3 instruments.   Week5MenuDrivenApp.jsc16

Enter the index of the instrument that you
would like to play.

Individual Musician Menu:

1) Return to Musician Main Menu

2) Add a new Instrument

3) Delete an Instrument

Musician Name: Mickey Mouse

Instruments:

- 0) Triangle in the Percussion Section
- 1) Bass Drum in the Percussion Section

Cancel OK

- ③ Minnie Mouse has been created!
Minnie Mouse plays 2 instruments.
- ④ Minnie Mouse plays 3 instruments.
Minnie Mouse has been created!
- ⑤ Minnie Mouse plays 3 instruments.
- ⑥ Chosen musician: Mickey Mouse plays 0 instruments.
- ⑦ Mickey Mouse plays 1 instrument.
Instrument has been created!
- ⑧ Mickey Mouse plays 1 instrument.
- ⑨ Mickey Mouse plays 2 instruments.
Instrument has been created!
- ⑩ Mickey Mouse plays 2 instruments.
- ⑪ Mickey Mouse plays 3 instruments.
Instrument has been created!
- ⑫ Mickey Mouse plays 3 instruments.
- ⑬ Mickey Mouse plays 2 instruments.
Instrument has been deleted!
- ⑭ Minnie Mouse has been created!

viewMusician Week5MenuDrivenApp.java:12

createInstru Week5MenuDrivenApp.java:16

viewMusician Week5MenuDrivenApp.java:12

viewMusician Week5MenuDrivenApp.java:11

createInstru Week5MenuDrivenApp.java:16

viewMusician Week5MenuDrivenApp.java:12

createInstru Week5MenuDrivenApp.java:16

viewMusician Week5MenuDrivenApp.java:12

createInstru Week5MenuDrivenApp.java:16

viewMusician Week5MenuDrivenApp.java:12

deleteInstru Week5MenuDrivenApp.java:17

viewMusician Week5MenuDrivenApp.java:12

viewMusician Week5MenuDrivenApp.java:12

viewMusician Week5MenuDrivenApp.java:12



Musician Main Menu — 4) Display all Musicians

```
instrument.  
Instrument has been created!  
[ ] Minnie Mouse plays 1 instrument. [ ] viewMusician -- Week5MenuDrivenApp.js:127  
[ ] Minnie Mouse plays 2 [ ] createInstru... -- Week5MenuDrivenApp.js:168  
Instrument has been created!  
Instrument has been created!  
[ ] Minnie Mouse plays 2 [ ] viewMusician -- Week5MenuDrivenApp.js:127  
[ ] Minnie Mouse plays 3 [ ] createInstru... -- Week5MenuDrivenApp.js:168  
Instrument has been created!  
Instrument has been created!  
[ ] Minnie Mouse plays 3 [ ] viewMusician -- Week5MenuDrivenApp.js:127  
[ ] Chosen musician: Mickey Mouse [ ] viewMusician -- Week5MenuDrivenApp.js:119  
plays 0 instruments.  
[ ] Invalid Selection! [ ] viewMusician -- Week5MenuDrivenApp.js:142  
[ ] Mickey Mouse plays 1 [ ] createInstru... -- Week5MenuDrivenApp.js:168  
Instrument has been created!  
Instrument has been created!  
[ ] Mickey Mouse plays 1 [ ] viewMusician -- Week5MenuDrivenApp.js:127  
[ ] Mickey Mouse plays 2 [ ] createInstru... -- Week5MenuDrivenApp.js:168  
Instrument has been created!  
Instrument has been created!  
[ ] Mickey Mouse plays 2 [ ] viewMusician -- Week5MenuDrivenApp.js:127  
[ ] Chosen musician: Donald Duck [ ] viewMusician -- Week5MenuDrivenApp.js:119  
plays 0 instruments.  
[ ] Donald Duck plays 1 instrument. [ ] createInstru... -- Week5MenuDrivenApp.js:168  
Instrument has been created!  
Instrument has been created!  
[ ] Donald Duck plays 1 instrument. [ ] viewMusician -- Week5MenuDrivenApp.js:127  
[ ] Donald Duck plays 0 instruments.  
> 1
```

Musician Main Menu — 3) Delete a Musician

```
Instrument has been created!  
[ ] Minnie Mouse plays 1 instrument. [ ] viewMusician -- Week5MenuDrivenApp.js:127  
[ ] Minnie Mouse plays 2 [ ] createInstru... -- Week5MenuDrivenApp.js:168  
Instrument has been created!  
Instrument has been created!  
[ ] Minnie Mouse plays 2 [ ] viewMusician -- Week5MenuDrivenApp.js:127  
[ ] Minnie Mouse plays 3 [ ] createInstru... -- Week5MenuDrivenApp.js:168  
Instrument has been created!  
Instrument has been created!  
[ ] Minnie Mouse plays 3 [ ] viewMusician -- Week5MenuDrivenApp.js:127  
[ ] Chosen musician: Mickey Mouse [ ] viewMusician -- Week5MenuDrivenApp.js:119  
plays 0 instruments.  
[ ] Invalid Selection! [ ] viewMusician -- Week5MenuDrivenApp.js:142  
[ ] Mickey Mouse plays 1 [ ] createInstru... -- Week5MenuDrivenApp.js:168  
Instrument has been created!  
Instrument has been created!  
[ ] Mickey Mouse plays 1 [ ] viewMusician -- Week5MenuDrivenApp.js:127  
[ ] Mickey Mouse plays 2 [ ] createInstru... -- Week5MenuDrivenApp.js:168  
Instrument has been created!  
Instrument has been created!  
[ ] Mickey Mouse plays 2 [ ] viewMusician -- Week5MenuDrivenApp.js:127  
[ ] Chosen musician: Donald Duck [ ] viewMusician -- Week5MenuDrivenApp.js:119  
plays 0 instruments.  
[ ] Donald Duck plays 1 instrument. [ ] createInstru... -- Week5MenuDrivenApp.js:168  
Instrument has been created!  
Instrument has been created!  
[ ] Donald Duck plays 1 instrument. [ ] viewMusician -- Week5MenuDrivenApp.js:127  
[ ] Musician has been deleted! [ ] deleteMusic... -- Week5MenuDrivenApp.js:160  
> 1
```

← See log line for deleted musician

Musician Main Menu — 0) Exit

```
[ ] Mickey Mouse plays 1 [ ] createInstru... -- Week5MenuDrivenApp.js:168  
Instrument has been created!  
Instrument has been created!  
[ ] Mickey Mouse plays 1 [ ] viewMusician -- Week5MenuDrivenApp.js:127  
[ ] Mickey Mouse plays 2 [ ] createInstru... -- Week5MenuDrivenApp.js:168  
Instrument has been created!  
Instrument has been created!  
[ ] Mickey Mouse plays 2 [ ] viewMusician -- Week5MenuDrivenApp.js:127  
[ ] Mickey Mouse plays 3 [ ] createInstru... -- Week5MenuDrivenApp.js:168  
Instrument has been created!  
Instrument has been created!  
[ ] Chosen musician: Donald Duck [ ] viewMusician -- Week5MenuDrivenApp.js:119  
plays 0 instruments.  
[ ] Donald Duck plays 1 instrument. [ ] createInstru... -- Week5MenuDrivenApp.js:168  
Instrument has been created!  
Instrument has been created!  
[ ] Donald Duck plays 1 instrument. [ ] viewMusician -- Week5MenuDrivenApp.js:127  
[ ] Musician has been deleted! [ ] deleteMusic... -- Week5MenuDrivenApp.js:160  
Index: 3 is an invalid Musician's index!  
[ ] Chosen musician: Daisy Duck [ ] viewMusician -- Week5MenuDrivenApp.js:119  
plays 0 instruments.  
[ ] Daisy Duck plays 1 instrument. [ ] createInstru... -- Week5MenuDrivenApp.js:168  
Instrument has been created!  
[ ] Daisy Duck plays 1 instrument. [ ] viewMusician -- Week5MenuDrivenApp.js:127  
[ ] Musician has been created! [ ] createMusic... -- Week5MenuDrivenApp.js:112  
> 1
```