

Tutorial 11 Additional Project

In this project, you will complete the code to create custom object classes and then use them to create a table of favorite CDs on a Web page.

1. Open **favorites.htm** in a simple text editor.
2. Open the **cd_form.js** file in a simple text editor.
3. Open the **my_cds.js** file in a simple text editor.
4. Insert comments in all files that designate you as the author of the files.
5. Review **favorites.htm**, paying attention to the names and ids of the various elements.
6. In **my_cds.js**, complete the **CD** class object by completing the following:
 - a. Have it accept an id, title, artist, genre, producer, and year as arguments and then add them to the class as properties.
 - b. Create a **yearsOwned** method as a property that takes the year property and subtracts the current year from it. It should return the result.
7. In **my_cds.js**, complete the **CDlist** class object by completing the following:
 - a. Add the **nextID** property and initialize its value to 1.
 - b. Add the **current** property and initialize its value to 0.
 - c. Add the **CDs** property and make it a new array.
 - d. Create an **addCD** method as a property that adds a CD instance to the CDs array using nextID for the id value. It should then set current equal to nextID and then add 1 to nextID.
8. In **cd_frm.js**, complete the **init** function by doing the following:
 - a. Add the **addList** function as a nested function that does the following:
 - i. Gets the current CD info from the **cdForm** form in tutorial11solution.
 - ii. Adds the current CD info to the **myCDs** variable.
 - iii. Creates a new table row for the **myFavTable** table using the current CD info from the **myCDs.CDs** array **myCDs.current**.
 - iv. Clears out the **cdForm** form elements.
 - v. Appends the new table row to **myFavTable**.
9. Test your finished code in a browser. Make corrections as necessary.
10. Print a copy of **cd_form.js** and **my_cds.js**.