Course Project - Final Submission

89/100 Points

4/27/2024

Attempt 1

Review Feedback
4/27/2024

Attempt 1 Score:
89/100

Add Comment

Anonymous Grading: **no**

1 Attempt Allowed
1/7/2024 to 4/27/2024

Details

Course Project

Your Course Project is your masterpiece. It will be a culmination of all the JavaScript and jQuery skills that you have learned throughout the semester. This is your opportunity to show your creativity and create a website that expresses your imagination. It is also an ideal time to create a website that you can add to your portfolio for showcasing your talent to prospective employers.

For your project, you will create a website that has the same theme that you used for your Course Project - Midterm Submission. The JavaScript selections and event registrations from the Midterm Submission should be converted to jQuery for the Final Submission. In addition to all requirements from the midterm submission, please demonstrate the following skills.

Activities

For this lab, you will:

1. Add to your **Course Project - Midterm Submission** (https://iu.instructure.com/courses/2214520/assignments/15644521) to create a project that reflects everything you have learned this semester. However, please also keep a separate copy of the midterm submission exactly as it appeared when it was submitted.
2. Style your HTML file using CSS.
3. Use appropriate prefixes with all variables

Variable Type	Prefix	Example
string	str	strUserName
integer	int	intHeight
Boolean	bol	bolHasBooks
float	flt	fltAccountBalance
page element	el	elOutput

4. Create and use an array.
5. Demonstrate the use of an if/else construct or a switch/case construct.
6. Demonstrate the use of comparison operators.
7. Demonstrate the use of logical operators.

8. Use parseInt() to convert a string to an integer.
9. Use jQuery to remove or hide a page element.
10. Use jQuery to add a class to an existing page element.
11. A jQuery method to change a page element's content.
12. Use a jQuery event to produce visible results on the page when the user triggers the event.
13. Use a jQuery animation method.
14. Demonstrate jQuery chaining.
15. Use a Math Object method.
16. Use a Date Object method.
17. Create and use an object that has properties and methods.
18. Use the keyword **this** in at least one of your object's methods.
19. Use the jQuery .each() method to process a jQuery selection that contains multiple page elements.
20. Use the Event Object in a jQuery method or an object method.
21. Create a form that is enhanced using an API. The form should contain at least five different types of fields. Form enhancement must be visible.
22. Create a labelled output area for form output. Form field values must display to the output area with labels on submit.
23. Use jQuery to validate at least one input field with a regular expression. Also use the placeholder attribute in the same field to show an example of valid input for the user.
24. Use at least one form method listed in Chapter 13 of the text to add functionality to your form [.focus() .blur() .select() .click()].
25. Use the jQuery .on() method with at least one form event listed in Chapter 13 of the text to add functionality to your form [blur focus change input keydown keypress].
26. Submit button should be disabled until at least one form field is filled.

Notes:

- All **HTML should validate** (https://validator.w3.org/) .
- All **CSS should validate** (https://jigsaw.w3.org/css-validator/) .
- Use **The JS Console** (https://iu.instructure.com/courses/2214520/pages/the-js-console) to check for errors in your code. ***If your page crashes, there will be a 50% penalty.***
- Each student file must contain a header block comment.
- All CSS and JavaScript must be stored in external files.
- All form output must be labeled clearly in the output area.
- All page output must be labeled clearly on the page. For example:
- All requirements listed in the rubric below **must be labeled clearly with comments** in the JavaScript file.
- All output requirements must produce visible results on the page.

View Rubric

Select Grader

Laurie Callahan (Teacher)

Course Project - Final Submission

Criteria	Ratings	Pts

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Criteria	Ratings	Pts
Requirements reflect the chosen theme.		10 / 10 pts
Page is styled using CSS. view longer description		2 / 2 pts
All variables use appropriate prefixes for their data type.		3 / 3 pts
An array is created and used.		2 / 2 pts
if/else or switch/case construct is used.		2 / 2 pts
Comparison operators are used.		2 / 2 pts
Logical operators are used.		2 / 2 pts
parseInt() is used to convert a string to an integer.		2 / 2 pts
jQuery is used to remove or hide a page element.		3 / 3 pts
jQuery is used to add a class to an existing page element.		3 / 3 pts
jQuery is used to change the content of a page element.		3 / 3 pts
jQuery is used to define an event that the user can trigger. view longer description		5 / 5 pts
jQuery animation method is used. view longer description	**Comments** The animation method does not show visible results on the page. The page element is empty before it is faded out. (-1)	2 / 3 pts
Demonstrate jQuery chaining.		3 / 3 pts
Use a Math Object method.		3 / 3 pts

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Criteria	Ratings	Pts
Use a Date Object Method.	**Comments** Missing use of a Date Object method. (-3) Datepicker is not a date object method. It is an API.	0 / 3 pts
Create and use an object that contains properties and methods.		5 / 5 pts
Use the keyword this in an object method.		2 / 2 pts
Use the jQuery .each() method to process a jQuery selection of multiple elements.		5 / 5 pts
Use the Event Object in a jQuery method or an object method.	**Comments** The event object is defined but not used. (-3)	2 / 5 pts
Create a form that is enhanced using an API. The form should contain at least five different types of fields.		5 / 5 pts
Create a labelled output area for form output. view longer description		5 / 5 pts
Use a regular expression for validation of at least one input field.	**Comments** Missing example of using a regular expression to validate a form field. (-3) The field is validated using HTML instead of JavaScript.	0 / 3 pts
Use one form method to add functionality to the form.		2 / 2 pts
Use one form event to add functionality to the form.		2 / 2 pts
Submit button should be disabled until at least one form field is filled.		2 / 2 pts
All JavaScript is stored in files external to the HTML file.		2 / 2 pts
Each requirement is labelled with comments.	**Comments** Some comments incorrectly describe assignment requirements. (-1)	4 / 5 pts

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Criteria	Ratings	Pts
HTML validates at https://validator.w3.org/		3 / 3 pts
All student files contain header block comments. view longer description		3 / 3 pts
		Total Points: 89

https://cs.iupui.edu/~parmsing/n341/final/

(https://iu.instructure.com/courses/2214520/modules/items/31320399)

(https://iu.instructure.com/courses/2214520/modules