

Exercises on JQuery and Ajax

Exercise 1: Create a basic plugin for the operations using jQuery UI and Forms.

Exercise 2: Attributes, Classes and CSS Manipulation

Write JQuery/JavaScript to perform the following actions as given in the description.

Toggles



Descriptions:

- **Toggle Colors:** Toggles the color on and off for each box using CSS classes.
- **Toggle Rounded Borders:** Toggles the color on and off for each box using CSS attributes.
- **Add a New Box:** Adds one new box to the container.

Instructions

1. Add the `outlined` CSS class to each of the 3 boxes.
2. Modify the `background-color` CSS attribute on the boxes whenever the **Toggle Colors** button is clicked.
3. Add/Remove the `round-edge` class on the boxes whenever the **Toggle Rounded Borders** button is clicked.
4. Add a new box `<div>` whenever the **Add new box** button is clicked.

Exercise 3: jQuery UI

Design and develop the following Interface

jQuery UI-Survey

General Information

Name: Date:

Are you enrolled as an undergraduate or a graduate?

☐ Undergraduate

☐ Graduate

Rank the colors listed from your most favorite to your least favorite:

| | | | | |
|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

Instructions

1. Add [Datepicker](#) for selecting dates.
2. Use the [Selectable](#) interaction for selecting year.
3. Use the [Sortable](#) widget to allow draggable color rankings.
4. Use the [Tooltip](#) widget to add extra information to year/color options

Exercise 4:

Develop an Ajax application so that it uses any of the file (JSON or XML) as input and displays the read data without changing the front end of the application. (Assume appropriate members and data for the design and development of the required application).