Homework

Homework

You will continue this homework from the most recent updated great cliff website. This should be from this week's day 1 homework where you were task to create a selectable table grid.

In this homework, you will continue the process of user selecting activities on the table. This is the scenario:

1. When user selects an activity, that activity's name will be revealed and added to a box below the table.
2. This display box is not visible when the page is in its initial state.
3. Each additional activity the user selects, it will be added to the list in the display box.

Homework

4. User can also deselect activities that has been selected. When that happens, that activity will be removed from the list in the display box.

5. If the user decided to remove all the activities on the list by deselecting the table grids, the display box will be hidden.

You will be guided to get the structural and presentation codes setup and as well as the jQuery scripts to make this scenario come to life.

Homework

The first thing is get the HTML set up for the display box:

```html
    </tbody>
  </table>

  <div id="displaySelected">
    <div id="result">
      <h4>My selected activities to enquire:</h4>
    </div>
    <div id="sendinfo">
      <input type="email" placeholder="johndoe@gmail.com">
      <button>Get Info</button>
    </div>
  </div>

</main>
```

Homework

Next, get the CSS codes in placed for the display box and the contents within it:

```css
#activities main #displaySelected {
    visibility: hidden;
    margin:0 auto;
    width:600px;
    border: 2px solid ■#9ed034;
    padding:0.75em;
}
#activities main #displaySelected #result, #activities main #displaySelected #sendinfo {
    display:inline-block;
    margin:0;
}
#activities main #result {
    min-height: 50px;
    width: 300px;
    padding:0;
}
#activities main #result h4 {
    margin-bottom:1em;
    font-size:1.15em;
}
#activities main #displaySelected #sendinfo input[type="email"] {
    width: 200px;
}
```

Now the jQuery scripts to make the scenario come together:

```
//User interaction with table cells
$(document).ready(function() {
    $("td").click(function () { //user select a table data cell
        var content = $(this).text(); //get content of cell

        if (content != "Not Available") { //check if content does not contain a particular string
            $(this).toggleClass("tdhighlight"); //add or remove class when cell is selected

            if ($(this).hasClass("tdhighlight")) { //check if selected cell has class
                $('#displaySelected').css("visibility","visible"); //make display box visible
                $('#displaySelected').css("margin-top","2em"); //add spaces above display box
                $('#result').append("<p>"+content+"</p>"); //add child element with contents of cell

            } else { //if selected cell don't have class
                $('#result p:contains('+content+')').remove(); //remove child element

                if ($('#result').has('p').length == false) { //check if there are any child elements within parent
                    $('#displaySelected').css("visibility","hidden"); //make display box hidden
                    $('#displaySelected').css("margin-top","0"); //remove spaces above display box
                }
            }
        }
    });
});
```

Homework

Preview in the browser and give it a test drive. You should expect to see this:

Activities at the Cliffs				
Activity	**West Cliff**	**North Cliff**	**East Cliff**	**South Cliff**
Hiking	College Hikes	Family Fun	Treasure Trails	Canyon Explorer
Kayak	Western Kayak Meetup	Not Available	Youth Kayaking	Kayak Down
Skydiving	Seacliff Diving	Sky is the limit	Not Available	Sky Diving for Beginners
Biking	Bicycle for One	Not Available	Bike Meetup Group	Not Available
Camping	Youth Camp	Rent a Tent	Campground Adventure	Sunset Camping

Initial page loads
(before any activity
is selected)

100

Homework

When an activity is selected:

Activities at the Cliffs				
Activity	**West Cliff**	**North Cliff**	**East Cliff**	**South Cliff**
Hiking	College Hikes	Family Fun	Treasure Trails	Canyon Explorer
Kayak	Western Kayak Meetup	Not Available	Youth Kayaking	Kayak Down
Skydiving	Seacliff Diving	Sky is the limit	Not Available	Sky Diving for Beginners
Biking	Bicycle for One	Not Available	**Bike Meetup Group**	Not Available
Camping	Youth Camp	Rent a Tent	Campground Adventure	Sunset Camping

My selected activities to enquire:

Bike Meetup Group   johndoe@gmail.com   Get Info

Homework

When a second activity is selected:

Activities at the Cliffs				
Activity	**West Cliff**	**North Cliff**	**East Cliff**	**South Cliff**
Hiking	College Hikes	Family Fun	Treasure Trails	Canyon Explorer
Kayak	Western Kayak Meetup	Not Available	Youth Kayaking	Kayak Down
Skydiving	**Seacliff Diving**	Sky is the limit	Not Available	Sky Diving for Beginners
Biking	Bicycle for One	Not Available	**Bike Meetup Group**	Not Available
Camping	Youth Camp	Rent a Tent	Campground Adventure	Sunset Camping

My selected activities to enquire:

Bike Meetup Group

Seacliff Diving

[johndoe@gmail.com] [Get Info]

Homework

When all activities are deselected or unselect:

Activity	West Cliff	North Cliff	East Cliff	South Cliff
Hiking	College Hikes	Family Fun	Treasure Trails	Canyon Explorer
Kayak	Western Kayak Meetup	Not Available	Youth Kayaking	Kayak Down
Skydiving	Seacliff Diving	Sky is the limit	Not Available	Sky Diving for Beginners
Biking	Bicycle for One	Not Available	Bike Meetup Group	Not Available
Camping	Youth Camp	Rent a Tent	Campground Adventure	Sunset Camping

Activities at the Cliffs

Homework

Assuming you got that all working nicely.

Your next task is to add one small feature and this will be on you. Currently, when activities are selected and display on the list, the activities doesn't indicate which cliff sites they are hosted at.

The next slide shows an example what it will look like after the feature is added.

Homework

To add this display, the cliff site names are extracted from the headings at the top row. Here's a tip: name is extracted based on the column the user clicks. Columns and rows can be associate with index, much like an array.

Activities at the Cliffs				
Activity	**West Cliff**	**North Cliff**	**East Cliff**	**South Cliff**
Hiking	College Hikes	Family Fun	Treasure Trails	Canyon Explorer
Kayak	Western Kayak Meetup	Not Available	Youth Kayaking	Kayak Down
Skydiving	Seacliff Diving	Sky is the limit	Not Available	Sky Diving for Beginners
Biking	Bicycle for One	Not Available	Bike Meetup Group	Not Available
Camping	Youth Camp	Rent a Tent	Campground Adventure	Sunset Camping

My selected activities to enquire:

Bike Meetup Group at East Cliff

Kayak Down at South Cliff

Rent a Tent at North Cliff   johndoe@gmail.com   [Get Info]

Homework

The two main jQuery methods that you will need:

1. index()
2. eq()

Use these two methods to find out and extract. Good luck!

Homework

- **Homework Due:** On or Before Next Class

- **Submit:** homework-module2.zip

- **Where to submit file**: GAP - *Week 5 (Feb 1-7) Day 3 Homework*

Questions?

Connect with Us (WEB801)

Professor	Teaching Assistant	Teaching Assistant	Teaching Assistant
Rich Loke	Reshae Alagbada	Elizabeth Kipp	Jonas Restad
richloke@westcliff.edu	reshaealagbada@westcliff.edu	elizabethkipp@westcliff.edu	jonasrestad@westcliff.edu

Slack: spring2021s3-bootcamp-mon

Connect with Us (WEB301 & WEB501)

Professor

Ghani Zahid

ghanizahid@westcliff.edu

Slack: spring2021s3-bootcamp-tue

Teaching Assistant

Ilya Valasov

ilyavalasov@westcliff.edu

Teaching Assistant

Christopher Paul

christopherpaul@westcliff.edu

Teaching Assistant

Nico Lauria

nicolauria@westcliff.edu

Teaching Assistant

Yi Sun

yisun@westcliff.edu

End of Presentation