CIS89C: Client-Side Programming with JavaScript

Midterm

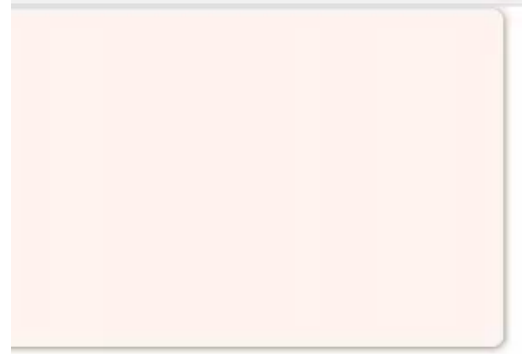Do on your own. Two similar midterms will get a zero. No late work is accepted.

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Create midterm.html. There is only one html file. If you want to create .css and .js, it's fine as long as there is only one .html file.

When the midtem page (midterm.html) is loaded, a popup window is loaded containing four different links: one is to display the cruises and three are to load the cruise sites (You can select any other tour packages if you want).

The requirements are as follows:

- Create a popup function by opening a new window (don't load any URL). The height and width are up to you. It is resizable and dependent.
- Write the following in this new popup window (myWin):
    - A body with a different background color (e.g. yellow).
    - A heading about the hot deals.
    - Create a function loadURL to load the URL (which is the passed argument) back to the main window (opener) that creates this popup window (myWin). Also this function closes this current popup window (myWin). (This means that this loadURL function is part of the popup window (myWin). So you need to include it in a script tag.)
    - A hyperlink to display the cruises. When clicked, call the function displayList in the main window (opener) that creates this popup window by passing an array of cruises defined in the opener.
        - Create a cruise object that has the following properties:
            - Cruise Date
            - Cruise Destination
            - Cruise Description
            - Cruise URL
            - Ship Name
            - Ship Description
            - Ship URL
            - Price
        - Make three instances of the cruise object.
        - Create an array of the three instances.
        - Create the function displayList with an argument of the array type as follows:
            - Retrieve the array to display the date, destination, ship, and price.
            - For the destination, create a link to call the loadDesc function, which does the following:
                - It has two arguments: description and URL
                - It displays the description (passed as argument) on the popup window.
                - Create a hyperlink element that calls the popupWindow function by passing the URL when clicked. (This popupWindow is different from the one created upon loading the midterm page. It has a different size. It's scrollable and resizable. Set focus. So this is a new different popup window). It is used only to display the destination.
            - For the ship, create a hyperlink to call the loadDesc function like above.
    - Three hyperlinks to the cruise sites. When a hyperlink is clicked, call loadURL by passing the URL (e.g. Royal Caribbean).
    - Focus the popup window to make it in front of the other windows.

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There is no need to use DOM and events as we have not learned them yet.

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