Using a theme from the jQuery User Interface library

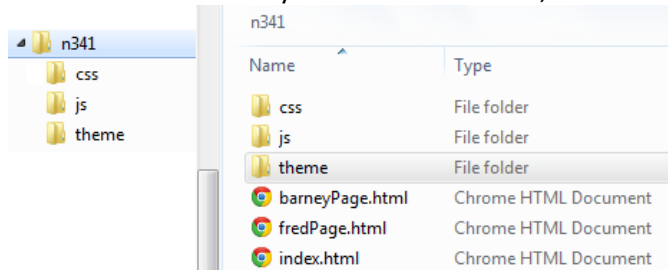1. From http://jqueryui.com/, click on Themes.
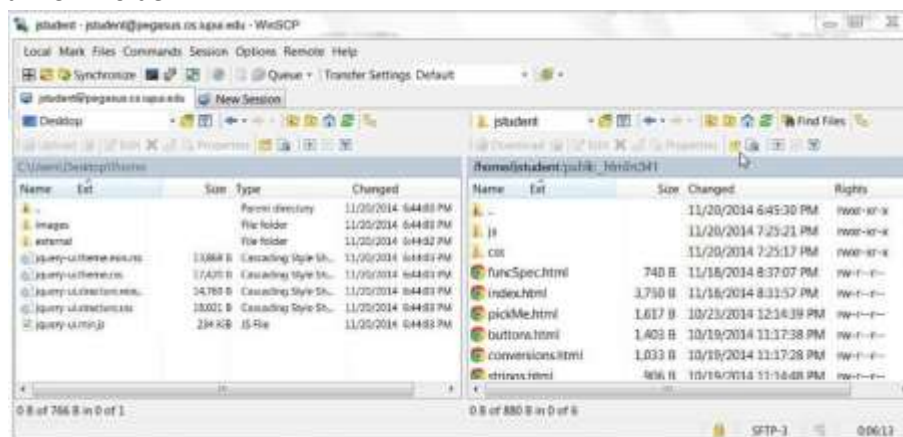

2. Then click on Gallery.
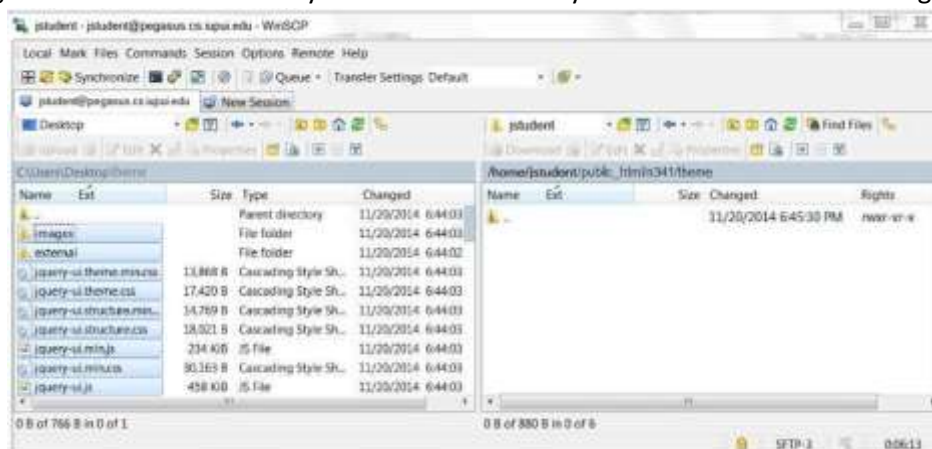

3. Choose a theme that you like.

4. Choose **Download** and save your theme to your local machine. Be sure to use the most recent version and download all components.
5. Open ⬛ jquery-ui-1.11.2.custom.zip on your local machine. Your file will have a slightly different but similar name.
6. Open the next folder to display the files in your chosen theme. You will see a directory called "external", a directory called "images", an index.html file, and several css and js files.
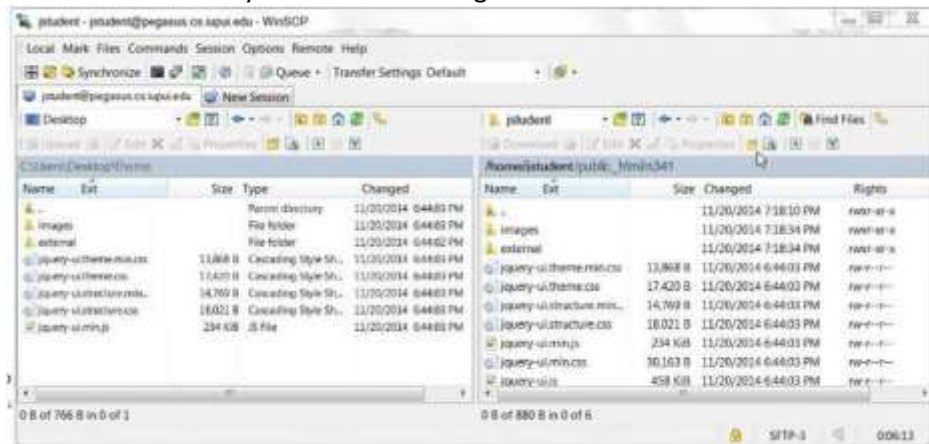7. Create a new folder in your local n341 folder, and call it "theme".

8. To unzip your theme, drag the two directories and all files from the zip file window to your new "theme" folder. This will allow you to upload it to Pegasus in the next step.
9. Connect to your Pegasus account using WinSCP, and create a new folder called theme inside your n341 folder.

10. Double click the folder to make it the active directory on Pegasus.
11. Drag all files and folders from your local machine to your new theme folder on Pegasus.

12. Your theme should be in your account on Pegasus.

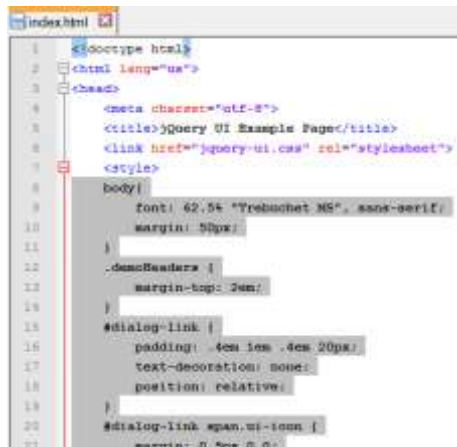13. To use your theme in your html files, be sure to link to the theme's css. Add the following link to your form's html file:

```
<!-- css to define theme colors -->
<link href="theme/jquery-ui.css" rel="stylesheet">
```

Also include the internal css script from the index.html file that is provided with the theme. It influences fonts. If my html page is called **fredPage.html** I would put it into a css file called **fredPage.css** inside the css folder. The index.html file can be accessed from your theme folder.

```
<link href="css/fredPage.css" rel="stylesheet" type="text/css">
```


- Open the index.html file that came with your theme.

- Near the top, you will see the css between the opening and closing <style> tags. Copy that text, and paste it into your fredPage.css file.

- Please don't name it "fredPage". Your css file name should match your form's html file name.

14. Then, link to your theme's js files. Be sure to include the Google-hosted jQuery library first. Then, include your theme's external js file.

```
<!-- jQuery UI functionality -->
<script type="text/javascript" src="theme/jquery-ui.js"></script>
```

Next, include internal js from the theme's index.html file.

- Open the index.html file that came with your theme, and scroll down to the bottom of the page near the end of the html code.

- Select the js that sits between the opening and closing <script> tags.

- Copy that text, and paste it into your fredPage.js file inside your js folder.

- Later, you will need to carefully modify some of this js code to customize your form.

Include the following in your html `<head>`.

```
<script type="text/javascript" src="js/fredPage.js"></script>
```

Explanation:
Each widget from the UI library has a jQuery registration in the fredPage.js file. For each widget, it is important for your html tag to have the same tag or id that is used in the fredPage.js file so it can be connected to the jQuery registration and the jQuery-ui.css. The jQuery registration calls the function from the jquery-ui.js

For example:
If fredPage.html contains the links mentioned above in `<head>` and the following autocomplete definition in the <body>:

```
<!-- Autocomplete -->
<h2 class="demoHeaders">Favorite Rock</h2>
<div>
        <input id="bestRock">
</div>
```

fredPage.js will contain the following jQuery event registration and tag list:

```
var availableRocks = [
        "Bedrock",
        "Quartz",
        "Slate",
        "Talc",
        "Zinc"
];
$( "#bestRock" ).autocomplete({
        source: availableRocks
});
```

When the above code is called, the `autocomplete` () method from the jQuery UI library is called to provide its functionality. You can customize it by changing the html, but be careful! If you change the id in your html, you must also change the id in the js file.

To get the value of the user's selection, use the following code in your javascript:

```
var strRockType = $("#bestRock").val();

alert(strRockType);
```

If the user chooses "Quartz" from the autocomplete list, the above code will bring up an alert box that says, "Quartz".

Use jQuery to select the input field, and use the **.val()** method to get the value of that field.

It is important to keep the same directory structure that was used in the jQuery UI library download. The functions in the library rely on the files to be exactly where they are expected to be. Putting all files into one directory or renaming the folders will cause a loss of functionality.

15. To modify your theme's js file, begin by opening **fredPage.js**. If your form's <u>Submit</u> and <u>Clear</u> buttons each have their own unique id or no id at all, you will need to change the js code to make your buttons match your theme.
    a. Edit fredPage.js

    b. Find the line that says:
       ```
       $( "#button" ).button();
       ```

    c. If you delete the #, the theme will look for all tags of type button instead only buttons with an id="button". However, if you only want certain buttons in your form to follow the theme, just name them individually:
       ```
       $( "#btnFlintstoneSubmit" ).button();
       $( "#btnPebblesSmile" ).button();
       ```

    d. Make necessary changes to allow your form to be correctly accessed by the theme. Remember that in jQuery, you can select by element tag, id, or class.

16. Place one last button registration on **fredPage.js**. This will define the functionality of your Submit button. Your Submit button should output either a literal text string (like "Hello World") or the value of one of your form elements. If you have trouble with the DOM reloading after a submit and causing your output to disappear, adding return false; as the last line of your Submit button's function will prevent the problem.

```
$("#btnFlintstoneSubmit").click(function(){

    $("#pageBedrockContent").append("Yabba-dabba-doo!");

    return false; // Prevents the DOM from reloading on submit

}); // end btnFlintstoneSubmit
```