Web Design Fundamentals

Learning Objectives

Upon completion of this practical exam, you will have created a three page web site that is styled with a provided external stylesheet. Be aware that you are graded on the completion of the steps outlined per the provided Rubric.

The content will be provided; you will be responsible for adding all the markup. You may use online validation resources only. **The use of class notes, class slides, class activities or other online resources is not allowed and will result in a zero for this practical**.

Resources

WDF Practical Grading Rubric (necessary)

Please review the grading criteria for this practical.

Note: Refer to the *_screenshots* directory for reference images and the *_content* directory for provided content. The *img* directory will be used by the provided stylesheet.

All Pages

The contents for each *individual* page are described in the following sections. The elements needed for *all* pages are as follows:

Getting Started

1. Create a new valid HTML5 document
2. Create the appropriate element that will show the text *AppStore iPad Apps* in the browser's title bar.
3. Create the appropriate structural element for *introductory content* as a child of the *body* element.
4. Nested within the *introductory content*, create a division with the ID of *header_wrap*.
5. Create a heading level 1 within *header_wrap*.
6. Within the heading level 1, create a link that links to the page *index.html*, where the text "AppStore iPad Apps" is clickable.

Navigation Links

1. Create the appropriate structural element for *navigation links* under the heading level 1, but still inside *header_wrap*.
2. Inside the *navigation links* element, create an unordered list
3. Create 3 list items inside the list which contain the link text "Home", FAQs", and "Contact" which link to *index.html*, *help.html*, and *contact.html* respectively.

Wrapper

1. Create a new division with the ID of *wrapper* below the *introductory content*.
2. Within *wrapper*, create three child structural elements:
   a. a *grouping of related content* element

    b. a *secondary content* (sidebar) element

    c. a *closing section* (copyright) element

Sidebar

1. Inside the *secondary content* structural element, create a form element which sends the form data to the URL *http://google.com/search* using the "GET" HTTP method.

2. Inside the form, create a division which contains a label of "Search Google", a search text field, and a submit button.

3. Apply the value of "q" to a *name* attribute of the text field.

4. Apply the value of "Search Google" to a *placeholder* attribute of the text field.

5. Make the label bind to the text field, so when clicked on focuses your cursor inside of the text field with the ID of *search*

6. Make the submit button's text read "Search".

Copyright

1. Inside the *closing section* structural element, add the text "Copyright (c) 20XX AppStore iPad Apps | Winter Park, FL USA | Contact Us"

2. Replace 20XX with this year

3. Replace (c) with the appropriate HTML entity (copyright symbol).

4. Apply a *strong importance* to the words "AppStore iPad Apps".

5. Link the words "Contact Us" to *contact.html*.

Create Three Pages

After creating this document, save it as *three* HTML documents:

1. `index.html`

2. `help.html`

3. `contact.html`

Complete the following in the order specified.

Home Page

Apply the following to the *index.html* page.

Navigation Links and Sidebar

1. Apply an ID of *active* to the "Home" link.

2. Below your search form, embed the provided image *ad_disney.jpg* which should be located within an "ads" directory.

3. If the image does not load properly, the text "Disney Advertisement" should appear instead.

4. Make the image clickable and link it to *http://disneyworld.disney.go.com/*.

5. Apply a tooltip to this link of "Get Disney Tickets and Info".

Content

1. Create a heading level 2 inside the *grouping of related content* element which contains the text "Welcome to AppStore iPad Apps", applying a *strong importance* on the words "AppStore iPad Apps".

2. Create a paragraph below the heading level 2 which contains the content within the *welcome.txt* file provided to you.

3. Apply a *strong importance* to the words "AppStore iPad Apps" in this paragraph.

Table

1. Create a *self-contained content* (intended to be syndicated) structural element below the paragraph .

2. Create a heading level 1 inside the *self-contained content* element which contains the text "Featured Apps".

3. Create a table under the heading level 1.

4. Apply an ID of *applist* to this table.

5. Caption the table with the text "Explore these apps made just for your iPad!".

6. Inside the table, create a new table row that contains 4 table headers: "Name", "Description", "Category", and "Version" respectively.

7. For accessibility, apply the appropriate *attributes* to the table headers to define that they provide information for a column.

8. Under that table row, create 8 table rows alternating the class value of each with "odd" and "even", beginning with "odd".

9. Inside each table row, create 4 cells which contains the content within the *table.txt* file provided to you.

10. Each application name should be linked to *http://www.apple.com/ipad/from-the-app-store/* and have a tooltip of "More information".

Linking the CSS

1. Check your HTML and ensure that it matches *index_html.png* located within the *_screenshots* directory.

2. If all is well, link the provided stylesheet *web.css* to your document, which should be located within a "css" directory.

3. If the page was created correctly, your page should now look like *index_css.png* located within the *_screenshots* directory.

Note: Make sure you **do not** modify the provided stylesheet, only your markup. Not all CSS rules will apply.

FAQs Page

Apply the following to the *help.html* page. The title bar text should be changed appropriately to reflect the content of the page. See the references for details.

Navigation Links and Sidebar

1. Apply an ID of *active* to the "FAQs" link.

2. Below your search form, embed the provided image *ad_carival.jpg* which should be located within an "ads" directory.

3. If the image does not load properly, the text "Carival Advertisement" should appear instead.

4. Make the image clickable and link it to *http://disneyworld.disney.go.com/*.

5. Apply a tooltip to this link of "Book a Carnival (R) Cruise".

6. Replace "(R)" with the appropriate HTML entity (Registered symbol).

Content

1. Create a heading level 2 within the *grouping of related content* structural element which contains the text "FAQs".

2. Under the heading level 2 create an unordered list of 4 items that contain the link text "What is an iPad?", " What is an app?", "What does an app cost?", and "How do I download an app?".

3. The items should link to the IDs of *ipad*, *app*, *cost*, and *download* respectively (they will be added later).

4. The items should have *stress emphasis* applied to them.

5. Under the list, create a *description list* which contains the content within the *faqs.txt* file provided to you.

6. The terms should have *strong importance* applied to them.

7. Apply IDs so that the list of questions link to the appropriate terms inside the description list, to create internal links. For example, if you clicked on "What is an iPad?" you would link to the "Q: What is an iPad?" term.

Video

1. Under the description list, create a *grouping of related content* structural element to hold your video content.
2. Create a heading level 2 inside the *grouping of related content* element which contains the text "How-to Video".
3. Under the heading level 2, use HTML5 video elements to embed the provided *.mp4*, *.webm*, and *.ogv* videos, which should be located within a "videos" directory. Make sure the default video player controls are present.
4. Include a link to the *.mov* video as fallback content for browsers that don't support HTML5 video

Linking the CSS

1. Check your HTML and ensure that it matches *help_html.png* located within the *_screenshots* directory.
2. If all is well, link the provided stylesheet *web.css* to your document, which should be located within the *css* directory.
3. If the page was created correctly, your page should now look like *help_css.png* located within the *_screenshots* directory.

Contact Page

Apply the following to the *contact.html* page. The title bar text should be changed appropriately to reflect the content of the page. See the references for details.

Navigation Links and Sidebar

1. Apply an ID of *active* to the "Contact" link.
2. Below your search form, embed the provided image *ad_homereserve.jpg* which should be located within an "ads" directory.
3. If the image does not load properly, the text "Home Reserve Advertisement" should appear instead.
4. Make the image clickable and link it to *http://www.homereserve.com/*.
5. Apply a tooltip to this link of "Save on furniture today at Home Reserve".

Contact Form

1. Create a heading level 2 within the *group of related content* structural element which contains the text "Contact Us".
2. Create a form under the heading level 2, which when submitted submits to your Full Sail email address using the "POST" HTTP method.
3. Create 7 sets of *divisions* inside the form to hold the following form labels and fields:
   a. "Name:" as a *label*, when clicked on focuses your cursor inside of a *text field* with the name and ID of *name*. Make sure that the text field receives *automatic focus* when the page is loaded.
   b. "Email:" as a *label*, when clicked on focuses your cursor inside of a *text field for an email address* with the name and ID of *email*. Make sure that the text field has *placeholder text* of "example@example.com".
   c. "Website:" as a *label*, when clicked on focuses your cursor inside of a *text field for a web address* with the name and ID of *website*. Make sure that the text field has *placeholder text* of "http://www.example.com".
   d. "Message:" as a *label*, when clicked on focuses your cursor inside of a *multiline text area* with the name and ID of *message*. Give the multiline text area 6 rows and 33 columns.
   e. "Regarding:" as a *label*, when clicked on focuses your cursor inside of a drop-down menu with the name and ID of *regarding*. The available options should be "General Inquiry", "Suggestion", "Site Error", "Legal", and "Press".
   f. "Agreement:" as a *label*, when clicked on focuses your cursor inside a *checkbox* with the name and ID

of *agreement* next to text "I have read and agree to the User Agreement.". Create a link that stays on the current page out of the text "User Agreement". Make sure that the checkbox is a field that is *required*.

g. Create a *submit button* which reads "Send" and when clicked on, sends the form fields data to the URL of the "action" attribute.

Sidebar

1. When clicked, the image should link to *http://www.homereserve.com/*.
2. Modify the tooltip of the link to read "Save on furniture today at Home Reserve".
3. Change the embedded image to that of provided *ad_homereserve.jpg* which should be located within the *ads* directory.
4. If the image does not load properly, the text "Home Reserve Advertisement" should appear instead.

Linking the CSS

1. Check your HTML and ensure that it matches *contact_html.png* located within the *_screenshots* directory.
2. If all is well, link the provided stylesheet *web.css* to your document, which should be located within the *css* directory.
3. If the page was created correctly, your page should now look like *contact_css.png* located within the *_screenshots* directory.

Note: Make sure your pages are valid HTML5 and pass Section 508 and WCAG 2.0 accessibility guidelines. Failure to do so will result in loss of points. See the Rubric for details.

Submission

- Submit to the drop-box: Create a properly named folder (see Deliverables). Place your folders and files into this folder THEN compress (.zip) the folder and submit this activity.

Deliverables

When you have completed this practical:

- Make sure your folders and files are named correctly
- Create a new folder named `lastname_firstname_practical`
- Place all your folders and files from this practical into this folder
- Zip your folder (right-click/select "Compress")
- Submit your zipped folder to the drop-box or as specified by the Course Director

You will upload a compressed (Zipped) file which should include:

Part	Name	Format	Notes
WDF Practical	wdf_practical		This folder should contain all of the associated files and folders that make up your web site.
Index	index.html	HTML	This is your home page.
Help	help.html	HTML	This is your FAQs page.
Contact	contact.html	HTML	This is your contact page.
Ads	ads		This folder should contain the provided advertisement images.
CSS	css		This folder should contain the provided stylesheet.
Images	img		This folder should contain the provided background images.
Videos	videos		This folder should contain the provided videos.