Front-End Web Certification Rubric

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Course: Responsive Web Design (RWD)	Course No. ITI 392	CRN: 25058

Evaluation Metric	Completed	Not Completed	Recommended Remediation
Session I Exercise Projects			
Complete exercise 8.1 – Convert the Town Hall home page to use a responsive design.			
1. Add a meta element to the HTML for the page.	✔		

2. Apply these CSS changes:
  a. Change this width to 98%.
  b. Change the maximum width to 960 pixels.
  c. Set the width of the list in the submenu of the navigation menu to 100%
  d. Change the widths of the section and aside elements and the \<a\> elements within the unordered list for the main navigation menu to percent's.
  e. Move the declaration that specifies the width of the \<a\> elements to the style rule for the li elements that contain the \<a\> elements
  f. Set the max-width property of article image to 40%.
  g. Set the min-width property of article image to 150 pixels.
  h. Add a media query for a tablet in portrait view
	✔		

Evaluation Metric	Completed	Not Completed	Recommended Remediation

i.   Add a media query for a phone in landscape orientation.
   j.   Add a media query for a phone in portrait orientation.
   k. Add a mobile menu using the SlickNav plugin.			

3. Link to your operational solution file.	✓		
Complete exercise 9-1 – Convert the Town Hall home page to Flex Box Layout.			

1.   Apply these CSS changes:
    a.   Set display property for ul element in the navigation menu so the li elements are displayed as block element in the flex box container.
    b.   Set flex-basis property to occupy 100% of page.
    c.   Set justify-content property so space is allocated evenly between flex items.
    d.   Change width property for the li items to the flex-basis property and set to 20%.
	✓		

2.   Apply these main element changes:
    a.   Set display property in the CSS file for the main element so the section and aside child elements are displayed in flex container.
    b.   Set the flex-basis property in the section and aside to 70% and 30%, delete width properties.
    c.   Set the order of the elements so the aside element is displayed before the section element.
	✓		

3. Change the media query for mobile devices:	✓		

Evaluation Metric	Completed	Not Completed	Recommended Remediation
a. In the CSS file, locate the media query that checks the viewport width is 756 or less. b. Within the query change the main element so the so the section and aside elements are displayed in a column and the section is displayed before the aside.			
Complete exercise 10-1 – Use template areas with Town Hall home page.			

1. Change the body so it uses template areas.
   a. In CSS set the display for the body so it uses a grid.
   b. Define body template for four rows and two columns.
   c. Everything is automatically sized.
2. Define the grid area in the body for the header, navigation bar, main element, and footer.
3. Code grid-area properties for each element for them to be placed in the right grid area.
	✓		

4. Change the Main Navigation to use the Grid:
   a. Set the display property for the ul element in the navigation menu so the li elements are display in the grid.
   b. Define template for the ul element for one row sized automatically and 5 columns that occupy 1/5th of the width of the menu.
   c. Center rows vertically in the grid.
	✓		

5. Change the main element to use the grid. a. Set the display property in the mail element so section and aside display in grid container.	✓		

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b. Define template for main element with one row and two columns. c. Row should size automatically. d. Fist column should occupy 30% of space. e. Second column should occupy remaining space after adding 2.5% gap. f. Define grid areas for section and aside using numbered lines.			

6. Adjust Margins and Padding
   a. Adjust top and bottom padding for heading to 80 px.
   b. Adjust left padding of aside based on width of aside.
   c. Adjust right padding of section based on width of the section.
   d. Change left padding of the section to 0.
	✔		

7. Change media query for phone in landscape orientation.
   a. Change media query for 767px rule:
     i. Add style rule for body to modify grid to four rows and sized automatically for one column the width of the screen.
     ii. Modify the template areas for the header, navigation bar, main, and footer to its own rows.
   b. Change grid for header to three rows, one column, and a grid gap of .5ems.
   c. All rows should size automatically.
   d. Adjust padding above and below the header based on new high of the grid area.
   e. Center image horizontally.
	✔		

Evaluation Metric	Completed	Not Completed	Recommended Remediation
f. Place mobile menu in grid area for navigation menu. g. Change template for main element to two rows and one column. h. Rows should size automatically. i. Columns should be full width of the body. j. Redefine section and aside in the grid to use numbered lines for the grid. k. Change left and right margins for section and left and right padding for aside to 2.5%. l. Remove right padding from section.			
Session II Exercise Projects			
Complete RWD Website Planning Worksheet			
1. Completing RWD Website Planning Worksheet	✓		
2. Link to your completed RWD Website Planning Worksheet.	✓		
Complete Website using a Bootstrap Framework – **BOOTSTRAP SELECTED**			
1. Review Bootstrap Frameworks the are RWD compliant.	✓		

2. Design and develop your site based on these required design specifications:
   a. About Me Page
   b. Individual Goals for Front-End Web Development Certification Page
   c. Listing of Certification Courses Page
      i. Link to Individual Course Pages
         1. Link to Each Course Exercise
		✓	1. **Link to Prospective employers must be linked to an actual online job solicitation. See example on this site -** **http://students.profburnett.com/2019/Spring/Pullum-A/ePortfolio/index.html** **- CACI International**

Evaluation Metric	Completed	Not Completed	Recommended Remediation
2. Learning Outcomes of Each Course Exercise d. Prospective Employment Page			
1. Link to your operational solution file.	✓		
Complete Website using a w3.css Framework			
1. Review w3c.css design Frameworks.	✓		

2.   Design and develop your site based on these required design specifications:
  a.   About Me Page
  b.   Individual Goals for Front-End Web Development Certification Page
  c.   Listing of Certification Courses Page
      i. Link to Individual Course Pages
         1.   Link to Each Course Exercise
         2.   Learning Outcomes of Each Course Exercise
  d.   Prospective Employment Page
	✓		

1. Link to your operational solution file.	✓		