



Montgomery College  
Information Technology Institute (ITI)  
Front-End Web Certification Program

## Front-End Web Certification Rubric

Student Name:

<b>Responsive Web Design (RWD)</b>	<b>Course No. ITI 481</b>	<b>CRN: 33983</b>
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Evaluation Metric	Completed	Not Completed	Recommended Remediation
<b>Session XXI &amp; XXII Exercise Projects</b>			
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.		X	
2. Apply these CSS changes: <ul style="list-style-type: none"><li>a. Change this width to 98%.</li><li>b. Change the maximum width to 960 pixels.</li><li>c. Set the width of the list in the submenu of the navigation menu to 100%</li><li>d. Change the widths of the section and aside elements and the &lt;a&gt; elements within the unordered list for the main navigation menu to percent's.</li><li>e. Move the declaration that specifies the width of the &lt;a&gt; elements to the style rule for the li elements that contain the &lt;a&gt; elements</li><li>f. Set the max-width property of article image to 40%.</li><li>g. Set the min-width property of article image to 150 pixels.</li><li>h. Add a media query for a tablet in portrait view</li><li>i. Add a media query for a phone in landscape orientation.</li></ul>		X	Aside has the wrong padding or margins



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<ul style="list-style-type: none"> <li>j. Add a media query for a phone in portrait orientation.</li> <li>k. Add a mobile menu using the SlickNav plugin.</li> </ul>			
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: <ul style="list-style-type: none"> <li>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.</li> <li>b. Set flex-basis property to occupy 100% of page.</li> <li>c. Set justify-content property so space is allocated evenly between flex items.</li> <li>d. Change width property for the li items to the flex-basis property and set to 20%.</li> </ul>	N/A		Remove Chapter 9 Flex Box for Page Layout Text
2. Apply these main element changes: <ul style="list-style-type: none"> <li>a. Set display property in the CSS file for the main element so the section and aside child elements are displayed in flex container.</li> <li>b. Set the flex-basis property in the section and aside to 70% and 30%, delete width properties.</li> <li>c. Set the order of the elements so the aside element is displayed before the section element.</li> </ul>	N/A		
3. Change the media query for mobile devices: <ul style="list-style-type: none"> <li>a. In the CSS file, locate the media query that checks the viewport width is 756 or less.</li> <li>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.</li> </ul>	N/A		



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Complete exercise 10-1 – Use template areas with Town Hall home page.			
<ol style="list-style-type: none"><li>1. Change the body so it uses template areas.<ol style="list-style-type: none"><li>a. In CSS set the display for the body so it uses a grid.</li><li>b. Define body template for four rows and two columns.</li><li>c. Everything is automatically sized.</li></ol></li><li>2. Define the grid area in the body for the header, navigation bar, main element, and footer.</li><li>3. Code grid-area properties for each element for them to be placed in the right grid area.</li></ol>	N/A		Remove Chapter 10 Grid Layout for Page Layout Text
<ol style="list-style-type: none"><li>4. Change the Main Navigation to use the Grid:<ol style="list-style-type: none"><li>a. Set the display property for the ul element in the navigation menu so the li elements are display in the grid.</li><li>b. Define template for the ul element for one row sized automatically and 5 columns that occupy 1/5<sup>th</sup> of the width of the menu.</li><li>c. Center rows vertically in the grid.</li></ol></li></ol>	N/A		
<ol style="list-style-type: none"><li>5. Change the main element to use the grid.<ol style="list-style-type: none"><li>a. Set the display property in the mail element so section and aside display in grid container.</li><li>b. Define template for main element with one row and two columns.</li><li>c. Row should size automatically.</li><li>d. First column should occupy 30% of space.</li><li>e. Second column should occupy remaining space after adding 2.5% gap.</li><li>f. Define grid areas for section and aside using numbered lines.</li></ol></li></ol>	N/A		



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<p>6. Adjust Margins and Padding</p> <ul style="list-style-type: none"><li>a. Adjust top and bottom padding for heading to 80 px.</li><li>b. Adjust left padding of aside based on width of aside.</li><li>c. Adjust right padding of section based on width of the section.</li><li>d. Change left padding of the section to 0.</li></ul>	N/A		
<p>7. Change media query for phone in landscape orientation.</p> <ul style="list-style-type: none"><li>a. Change media query for 767px rule:<ul style="list-style-type: none"><li>i. Add style rule for body to modify grid to four rows and sized automatically for one column the width of the screen.</li><li>ii. Modify the template areas for the header, navigation bar, main, and footer to its own rows.</li></ul></li><li>b. Change grid for header to three rows, one column, and a grid gap of .5ems.</li><li>c. All rows should size automatically.</li><li>d. Adjust padding above and below the header based on new high of the grid area.</li><li>e. Center image horizontally.</li><li>f. Place mobile menu in grid area for navigation menu.</li><li>g. Change template for main element to two rows and one column.</li><li>h. Rows should size automatically.</li><li>i. Columns should be full width of the body.</li><li>j. Redefine section and aside in the grid to use numbered lines for the grid.</li><li>k. Change left and right margins for section and left and right padding for aside to 2.5%.</li><li>l. Remove right padding from section.</li></ul>	N/A		



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<b>Session XXIII &amp; XXIV Exercise Projects</b>			
Complete RWD Website Planning Worksheet			
1. Completing RWD Website Planning Worksheet		<b>X</b>	
2. Link to your completed RWD Website Planning Worksheet.		<b>X</b>	
Complete Website using a Bootstrap Framework			
1. Review Bootstrap Frameworks the are RWD compliant.		<b>X</b>	
2. Design and develop your site based on these required design specifications: <ul style="list-style-type: none"> <li>a. About Me Page</li> <li>b. Individual Goals for Front-End Web Development Certification Page</li> <li>c. Listing of Certification Skill Page               <ul style="list-style-type: none"> <li>i. Link to Individual Skill Pages                   <ul style="list-style-type: none"> <li>1. Link to Each Skill Exercise</li> <li>2. Learning Outcomes of Each Skill Exercise</li> </ul> </li> </ul> </li> <li>d. Prospective Employment Page</li> </ul>		<b>X</b>	
3. Link to your operational solution file.		<b>X</b>	
Complete Website using a w3.css Framework			
1. Review w3c.css design Frameworks.		<b>X</b>	
2. Design and develop your site based on these required design specifications: <ul style="list-style-type: none"> <li>a. About Me Page</li> <li>b. Individual Goals for Front-End Web Development</li> </ul>		<b>X</b>	



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Certification Page c. Listing of Certification Skill Page <ul style="list-style-type: none"><li>• Link to Individual Skill Pages<ul style="list-style-type: none"><li>• Link to Each Skill Exercise</li><li>• Learning Outcomes of Each Skill Exercise</li></ul></li></ul> d. Prospective Employment Page			
3. Link to your operational solution file.		<b>X</b>	



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<ul style="list-style-type: none"><li>b. Individual Goals for Front-End Web Development Certification Page</li><li>c. Listing of Certification Courses Page<ul style="list-style-type: none"><li>i. Link to Individual Course Pages<ul style="list-style-type: none"><li>1. Link to Each Course Exercise</li><li>2. Learning Outcomes of Each Course Exercise</li></ul></li></ul></li><li>d. Prospective Employment Page</li></ul>			
3. Link to your operational solution file.	✓		