HomeWork2

Subject : UIClass-August-24-2016 HomeWork 2

1) what are semantic element?

2) why do we need to use sematic elements? advantages?

3) Reaserach and write the description, and example html all the tags : article, aside, details, figcaption, figure, footer, header, main, mark, nav, section, summary, time

1. Semantic elements are generally used alongside other attributes such as class, lang, title, etc. They are given to provide any specific meaning of the content but does not say anything about the content. Some are: article, aside, details, figcaption, figure, footer, header, main, mark, nav, section, summary, time

2. Semantic elements or semantic code aids in making the code accessible to speech readers. Apart from this, the search engines can better locate the content based on the type of semantic elements the content is written in. Semantic code is shorter and it downloads fast. Site updates are made easier. If the code overall look and feel of the site needs to be changed, html code does not need to be changed much because it only defines the content and not the design aspects.

<article> - defines article in a document. shows that content written here is self-contained and independent of the rest.

<aside> defines content other than the main page content

<bdi> used to write text in a different direction, opposite direction

<details> we can include details that can be visible or hidden, using an attribute. An arrow is presented next to the text. Clicking this arrow either makes the text visible or invisible as it pops open.

<dialog> a dialog box is shown with the text inside

<figcaption> it gives a caption for the figure. details about the figure can be included with the figcaption tag

<figure> used to display self-contained web content. It could be pictures, text, video, diagrams, code, tables, etc. It is considered separate from the web content.

<footer> displays content on the bottom of the page or document. The footer tag includes information about the author and date and other details of the content in the section part.

<header> displays content on the top of the page or document

<main> the main content can be defined here. it is a self-contained section

<mark> used to highlight text . usually the highlighted text is in yellow be default

<nav> used to give navigation links side by side. It is only reserved for a major block of links. screen readers can make sense of whether to ignore or read whats presented inside the nav

<progress> used to give the progress of any task. with the help of value and max attributes it shows the current amount completed and the total target to be reached.

<section> used to define a separate section in the document which is contained in a independent part.

<summary> It defines a header for details element. this is generally not supported in all the browsers. It needs some files to be included in order to work in chrome. however it shows a blue box by default when clicked in it.

<time> used to define date and time. It is basic text without any special representations. However displaying time or date with the time tag makes it easier for the machine to recognize that it is more than just plain text. Also time tag makes it easier for event schedulers to detect the specific time and dates because they stand out.