**Task-2: Responsive Web Design (RWD)**

Responsive web design (RWD) or responsive design is a web design approach that aims to ensure usability and satisfaction for showing web pages well on a variety of devices and window or screen sizes from small to big.

**Bootstrap:**

Bootstrap is a free and open-source CSS framework for front-end web development which is responsive and mobile-first. It incorporates templates for typography, forms, buttons, navigation, and other UI components which are based on CSS and (optionally) JavaScript.

Text

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**<meta> tags:**

1. <meta charset=”UTF-8”>: The charset element specifies the HTML document’s character encoding. The UTF-8 character set, which covers practically all the characters and symbols in the world, is recommended by the HTML5 specification.
2. <meta name=”viewport” content=”width=device-width, initial-scale=1.0”>: This tells the browser how to change the dimensions and scale of the page.  The “width=device-width” section adjusts the page’s width to match the device’s screen size (which will vary depending on the device). When the website is first loaded by the browser, the “initial scale=1.0” section specifies the initial zoom level.

**<Link> Tag**: It is used to link bootstrap CSS file into the code.

Text

Description automatically generated

**<class=” Containers”>:** Containers allow you to center and pad your site's content horizontally.

**<class=” row”>:** Columns are wrapped in rows.

<class=” col-sm”>: responsive class for small devices with a screen width of 576 pixels or more.

**<hr>:** Thematic break used to separate two paragraphs or content in a webpage.

**<img>**: This tag is used to embed an image in our webpage.

**Text

Description automatically generated**

**Final Output:**

**Graphical user interface, diagram

Description automatically generated with medium confidence**

**Graphical user interface, application

Description automatically generated**