



WEB & Mobile **Application development**

Module – 01

Class-01

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Basic Concepts



- People access websites using software called a **web browser**. Popular examples include Firefox, Internet Explorer, Safari, Chrome, and. Opera.
- When you ask your browser for a web page, the request is sent across the Internet to a special computer known as a **web server** which hosts the website
- **Front-end web development** is the development of the graphical user interface of a website, through the use of **HTML, CSS, and JavaScript**, so that users can view and interact with that website.



HTML Introduction



- ❑ HTML stands for Hyper Text Markup Language.
- ❑ HTML is the standard markup language for creating Web pages.
- ❑ HTML describes the structure of a Web page
- ❑ HTML consists of a series of elements.
- ❑ HTML elements tell the browser how to display the content
- ❑ HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

HTML Documents

```
<html>
```

```
<head>
```

```
<title>1st Website</title>
```

```
</head>
```

```
<body>
```

```
<h1> My First Heading </h1>
```

```
<p> My first paragraph </p>
```

```
</body>
```

```
</html>
```

About Elements

- ❖ The opening `<html>` tag indicates that anything between it and a closing `</html>` tag is HTML code.
- ❖ The `<body>` tag indicates that anything between it and the closing `</body>`. tag should be shown inside the main browser window.
- ❖ `<tagName>Content goes here...</tagName>`
- ❖ `< >` indicate opening tag.
- ❖ `</ >` indicate the tag is closed . It include Forward Slash `/`.
- ❖ Attributes provide additional information about the contents of an element. They appear on the opening tag of the element and are made up of two parts: a name and a value, separated by an equals sign.

Html Tags

- ❖ Heading Tag <h></h> h1 to h6.
- ❖ Paragraph tag <p></p>
- ❖ Bold tag
- ❖ Italic tag <i></i>
- ❖ Underline <u></u>
- ❖ Superscript
- ❖ Subscript

HTML tags

- Line break `
` **This tag has no content**, so it is self closing.
- Horizontal Line `<hr />`
- Links ``
- An unvisited link is underlined and blue
- A visited link is underlined and purple
- An active link is underlined and red

Media Tags

- ❖ Audio tag
- ❖ `<audio controls autoplay>`
- ❖ `<source src="horse.ogg" type="audio/ogg">`
- ❖ `<source src="DuroodAudio.mp3" type="audio/mpeg">`
- ❖ Your browser does not support the audio element.
- ❖ `</audio>`
- ❖ Video
- ❖ `<video src="..." controls width="..." height="..." loop></video>`
- ❖ Youtube Videos `<iframe src="....."></iframe>`