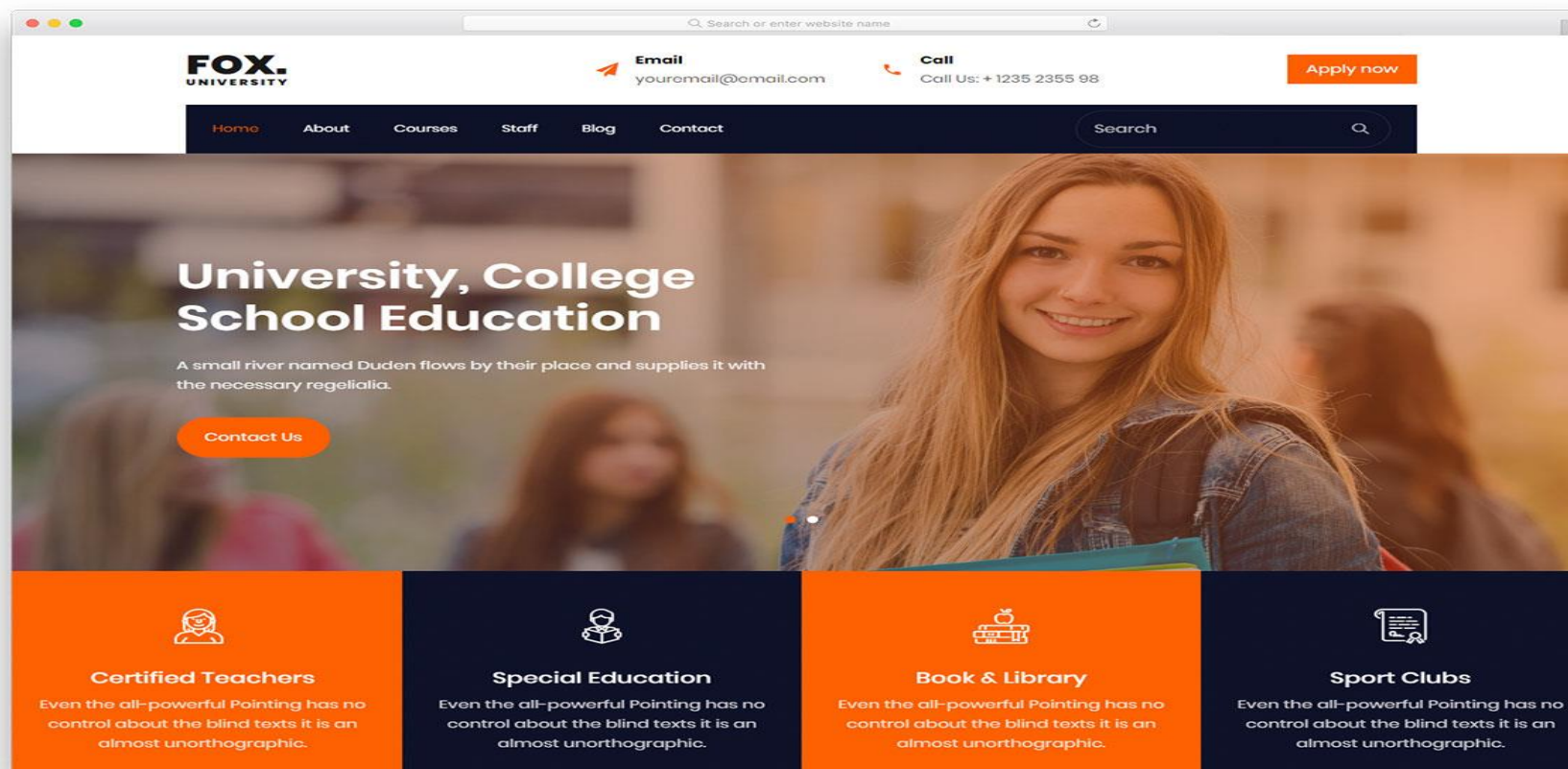


# HTML FOR WEB LAYOUT



<https://colorlib.com/wp/wp-content/uploads/sites/2/fox-free-template.jpg>

# Overview

- In this module, we are going to cover HTML, HTML page structure, and its different components. How different components are used for designing web pages with different examples?

# Agenda

- HTML
- HTML Page Structure
- List
- Tables
- Graphics
- Multimedia
- Forms
- Text Formatting
- Block components

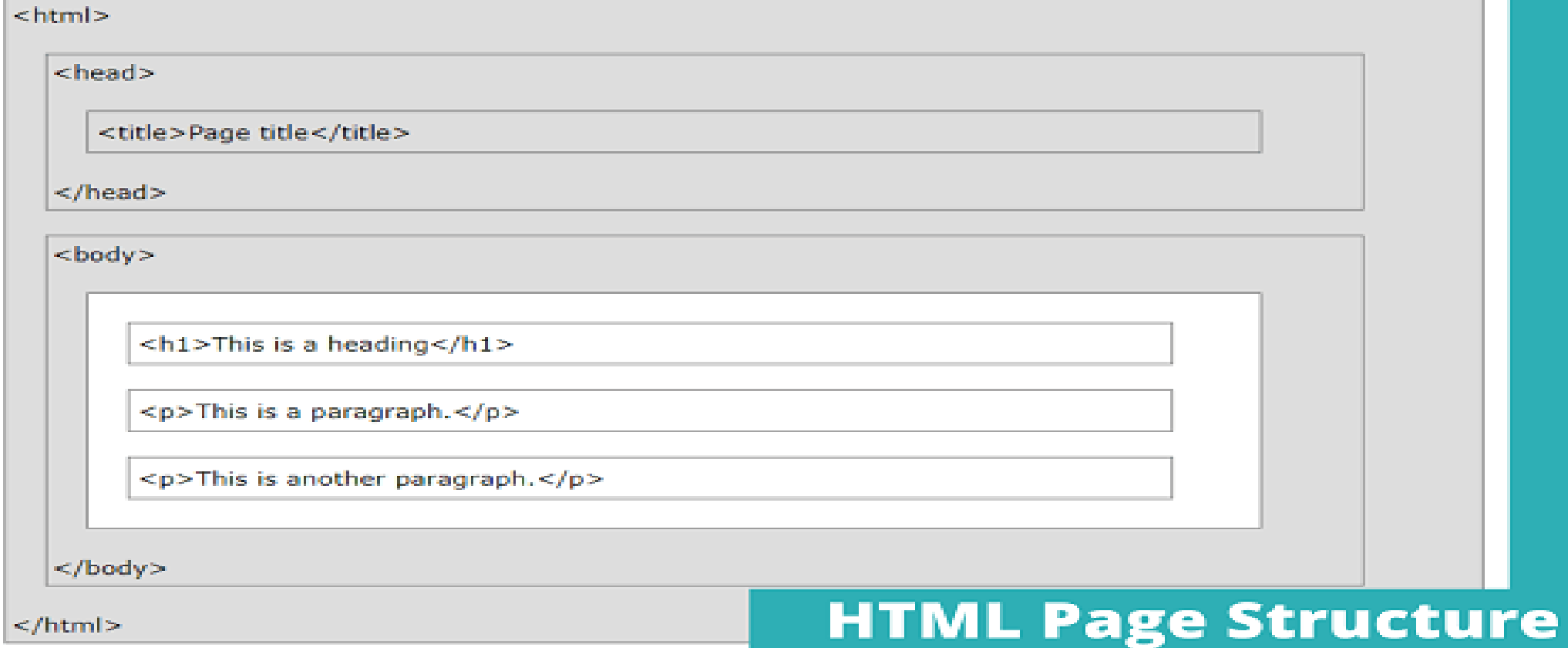
# Learning Objectives

- Different HTML basics and its components
- How to build static webpage using HTML

# HTML

- HTML stands for **Hyper Text Markup Language**
- HTML elements are the building blocks of HTML pages
- HTML describes the structure of Web pages using Hypertext markup language
- HTML elements are represented by **tags**
- When you test your page on browsers. Browsers do not display the HTML tags but use them to render the content of the page.
- HTML page extension always will be **.html** (example.html)

# HTML Page Structure



<https://walkintopc.com/html-introduction/>

# List

HTML List Tags are used to specify information in the form of list.

## Types of List

- Ordered List
- Unordered List
- Description List



Image : Ordered List

[https://www.tutorialbrain.com/html\\_tutorial/html\\_lists/](https://www.tutorialbrain.com/html_tutorial/html_lists/)

# List

## BULLETED LIST

```
<ul>
<li>Apple</li>
<li>Mango</li>
<li>Grapes</li>
<li>Pineapple</li>
<li>Orange</li>
</ul>
```

- Apple
- Mango
- Grapes
- Pineapple
- Orange

## DESCRIPTION LIST

```
<dl>
<dt>TD</dt>
<dd>Technical Design</dd>
<dt>DEV</dt>
<dd>Development</dd>
<dt>REQ</dt>
<dd>Requirement</dd>
<dt>BRD</dt>
<dd>Business Req. Document</dd>
</dl>
```

TD  
Technical Design

DEV  
Development

REQ  
Requirement Analysis

BRD  
Business Req. Document

Image: Unordered List & Description List  
[https://www.tutorialbrain.com/html\\_tutorial/html\\_lists/](https://www.tutorialbrain.com/html_tutorial/html_lists/)



# Tables

HTML tables are used for displaying data that make sense in spreadsheet software.

`<table>` – This tag is used to define Tables.

`<tr>` – table row.

`<td>` –table data cells.

`<th>` – For table heading which is bold and center.

```
<table style="width:50%" border="3">
  <tr>
    <th>Name</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Smith</td>
    <td>50</td>
  </tr>
  <tr>
    <td>Raj</td>
    <td>94</td>
  </tr>
</table>
```

Name	Age
Smith	50
Raj	94

Image: Tables

[https://www.w3schools.com/html/html\\_tables.asp](https://www.w3schools.com/html/html_tables.asp)

# Graphics

Graphics are used for everything from enhancing the appearance of Web pages to serving as the presentation and user interaction layer for full-fledged Web Applications.

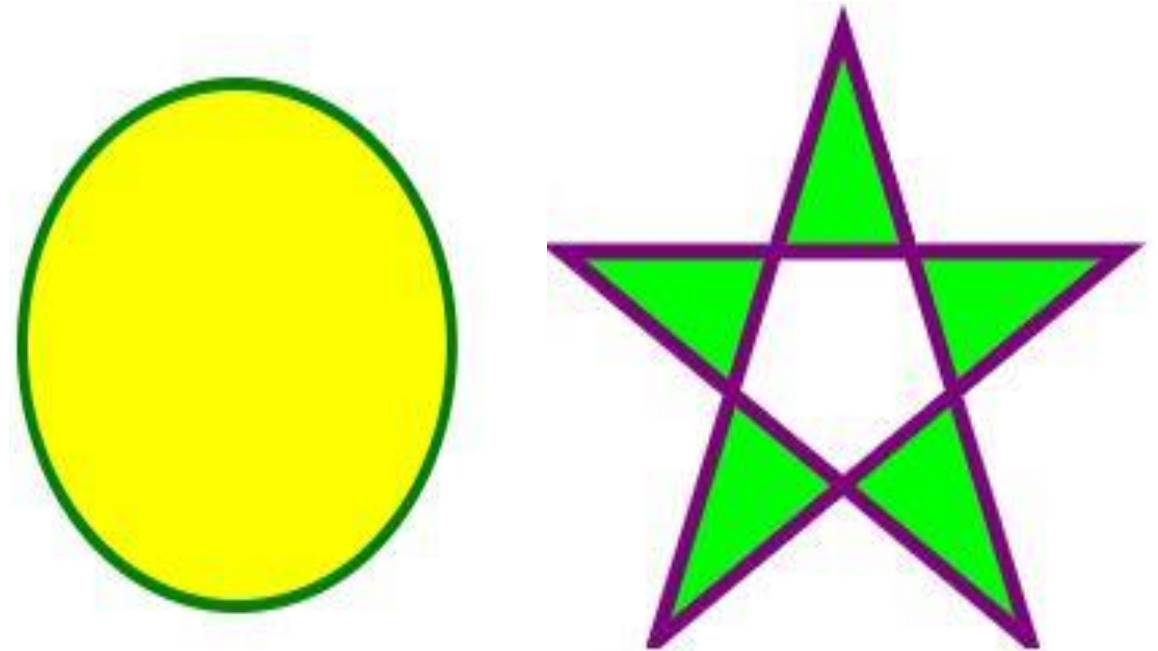


Image : Graphics  
<https://www.w3schools.com/graphics/>

# Graphics

```
<svg width="100" height="100">  
  <circle cx="50" cy="50" r="40" stroke="green" stroke-width="4" fill="yellow"/>  
</svg>
```

```
<canvas id="myCanvas" width="200" height="100"  
style="border:1px solid #000000;">  
</canvas>
```

Image : SVG & Canvas

[https://www.tutorialspoint.com/internet\\_technologies/web\\_pages.htm](https://www.tutorialspoint.com/internet_technologies/web_pages.htm)

# Multi-Media

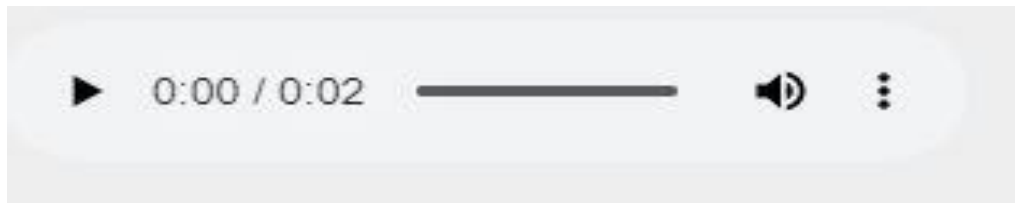
Multimedia on the web page, is audio, videos, movies, and animations.



Image : SVG & Canvas  
[https://www.tutorialspoint.com/internet\\_technologies/  
web\\_pages.htm](https://www.tutorialspoint.com/internet_technologies/web_pages.htm)

# Multi-Media

```
<audio controls autoplay>  
  <source src = "/html5/audio.ogg" type = "audio/ogg" />  
</audio>
```



```
<video width = "300" height = "200" controls autoplay>  
  <source src = "/html5/foo.ogg" type = "video/ogg" />  
  <source src = "/html5/foo.mp4" type = "video/mp4" />  
</video>
```



Image : Audio and Video

[https://www.tutorialspoint.com/html5/html5\\_audio\\_video.htm](https://www.tutorialspoint.com/html5/html5_audio_video.htm)



# Forms

HTML Forms are required to collect different kinds of user inputs, such as contact details like name, email address, phone numbers, or details like credit card information, etc.

Attribute	Value
action	URL to where the form data will be submitted. if blank, it sends to the current page
method	How data is sent: GET or POST
enctype	Encoding Type; the format of the data. Default= application/x-www-form-urlencoded
target	Anchor target (windows / frames) same as <a>'s target
name	Name of form (can be used to refer to form in javascript.)
id	Optional: for CSS or javascript

Image : Forms Attributes

[https://slideplayer.com/slide/9288191/28/images/7/  
%3Cform%3E+attributes.jpg](https://slideplayer.com/slide/9288191/28/images/7/%3Cform%3E+attributes.jpg)

# Forms

```
<form action="/action_page.php">  
  <label for="fname">First name:</label><br>  
  <input type="text" id="fname" name="fname" value="John"><br>  
  <label for="lname">Last name:</label><br>  
  <input type="text" id="lname" name="lname" value="Doe"><br><br>  
  <input type="submit" value="Submit">  
  <input type="reset">  
</form>
```

First name:

Last name:

Image : HTML-Forms

[https://www.w3schools.com/html/tryit.asp?filename=tryhtml\\_input\\_reset](https://www.w3schools.com/html/tryit.asp?filename=tryhtml_input_reset)

# Text-Formatting

Formatting elements were designed to display special types of text.

`<b>` - Bold text  
`<strong>` - Important text  
`<i>` - Italic text  
`<em>` - Emphasized text  
`<mark>` - Marked text  
`<small>` - Smaller text  
`<del>` - Deleted text  
`<ins>` - Inserted text  
`<sub>` - Subscript text  
`<sup>` - Superscript text

Image : Text-Formatting

[https://www.w3schools.com/html/html\\_formatting.asp](https://www.w3schools.com/html/html_formatting.asp)



# Text-Formatting

<code>&lt;i&gt;Italic&lt;/i&gt;</code>	<i>Italic</i>
<code>&lt;b&gt;Bold&lt;/b&gt;</code>	<b>Bold</b>
<code>&lt;em&gt;Emphasized&lt;/em&gt;</code>	<i>Emphasized</i>
<code>&lt;strong&gt;Strong&lt;/strong&gt;</code>	<b>Strong</b>
<code>&lt;small&gt;small&lt;/small&gt;</code>	small
<code>&lt;del&gt;Deleted&lt;/del&gt;</code>	<del>Deleted</del>
<code>&lt;ins&gt;Inserted&lt;/ins&gt;</code>	<u>Inserted</u>
<code>v&lt;sub&gt;f&lt;/sub&gt;</code>	v <sub>f</sub>
<code>a&lt;sup&gt;2&lt;/sup&gt;</code>	a <sup>2</sup>
<code>&lt;mark&gt;Marked&lt;/mark&gt;</code>	<b>Marked</b>

v

Image : Text-Formatting

<https://www.web4college.com/html/socialimages/html-text-formatting.png>

# Block components

A block-level element is an HTML element that takes up the full width of the element that contains it.(<div>)

An inline element is an HTML element that only takes up the width that its content takes up.(<span>)

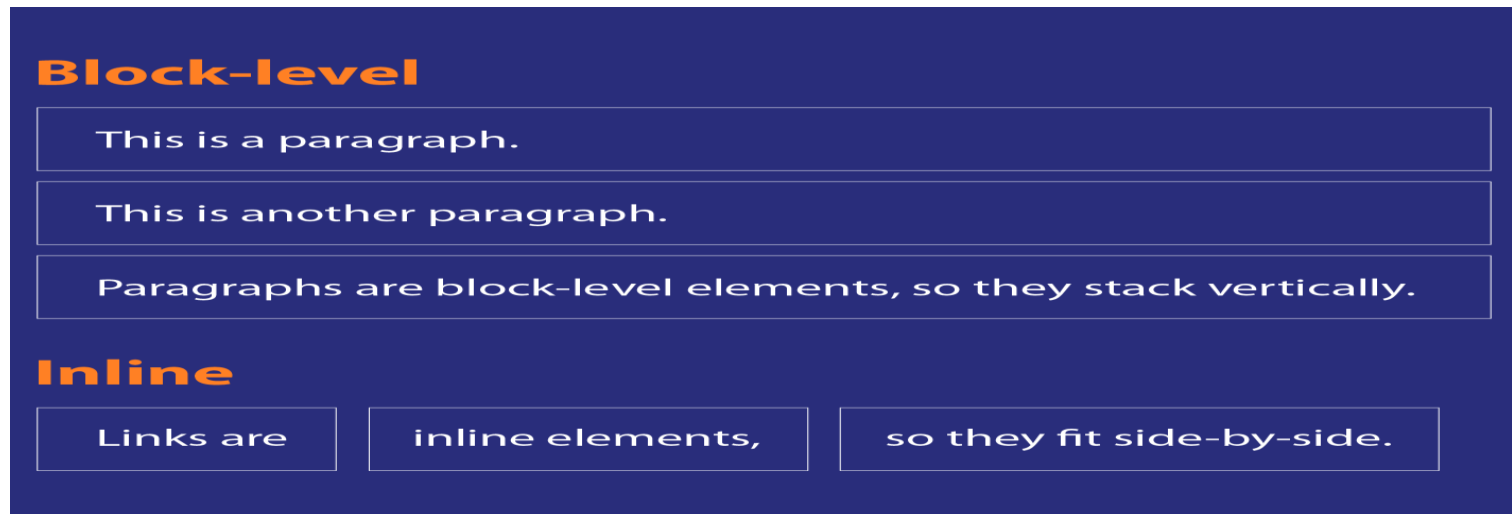


Image : Block Components

<https://edu.gcfglobal.org/en/basic-html/blocklevel-inline-and-organizational-elements/1/>

# Conclusion

We have learned and covered the following topics in this module:

- HTML basic components
- Static web page design using HTML

# THANK YOU