

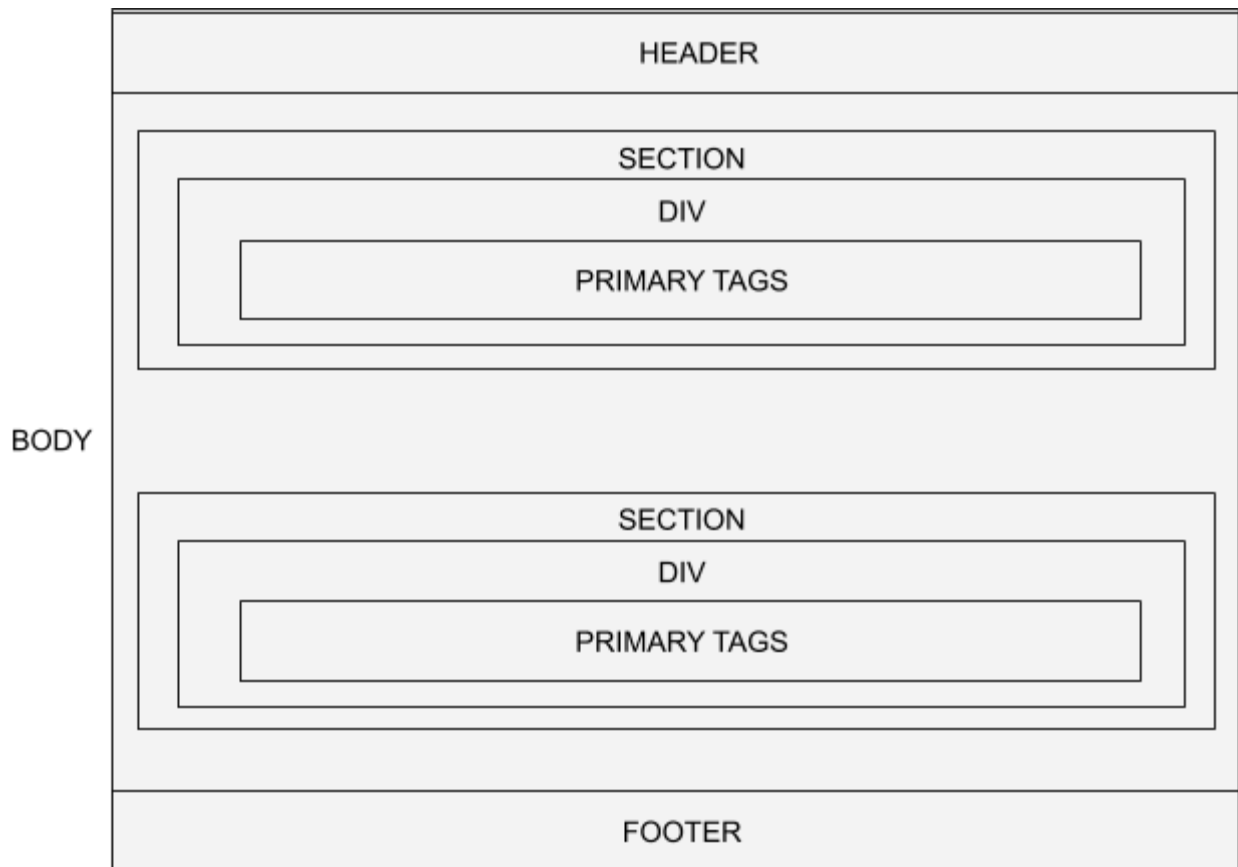
IN THIS DOCUMENT

We will get a basic concept of HTML Layout, Basic tags, Head tag Contents and finally where to learn more details on HTML.

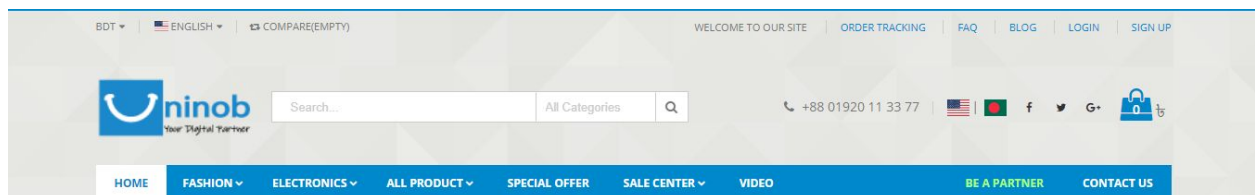
WHAT IS WHAT IN HTML

- **Tag**
 - `<p>` My Name is John Doe `</p>`; Blue-colored sections are called tag
- **Element**
 - `<p>` My Name is John Doe `</p>`; Purpled-colored section is called Element.
- **Attribute**
 - ``
Facebook ``; Red-Colored sections are called attribute, it can be pre-defined (href, title) or user-defined (data-color). We can learn how these user-defined attributes are useful later.

CORE HTML LAYOUT



- **HEAD:** contains meta tag, css codes, external resource link, sometimes javascript codes; not visible to frontend
- **HEADER:** Sometimes divided into Header Top, Header, Menu Bar/ Navigation Bar



- **SECTION:** <header>, <footer>, <section> are mainly used for grouping multiple <div> and define site structure
- **DIV:** Basically defines a block in body and groups multiple or single primary tags like img, h1, p etc.
- **PRIMARY TAGS:** Elementary Tags (<a>, <h1>, <p> etc.)

BASIC TAGS

HTML has an enormous tag list. You can check the list details from here:

https://www.w3schools.com/tags/tag_comment.asp

You don't need to memorize or remember the tags. You already know the basic tags. We will use other necessary tags when we need them.

HEAD TAGS

<head> contains various types of information:

<head>

1. <meta charset="UTF-8">
2. <meta content="initial-scale=1.0,maximum-scale=1.0,user-scalable=no" name="viewport">
3. <meta content="IE=edge" http-equiv="X-UA-Compatible">
4. <link href="/admin/assets/img/favicon-16x16.png" rel="icon" sizes="16x16" type="image/png">
5. <title>DEMO TITLE</title>
6. <link href='http://fonts.googleapis.com/css?family=Roboto:300,400,500' rel='stylesheet' type='text/css'>
7. <link href="/admin/bower_components/uikit/css/uikit.almost-flat.min.css" rel="stylesheet">
8. <script src="https://cdnjs.cloudflare.com/ajax/libs/echarts/4.2.1/echarts-en.common.js"></script>

</head>

1. Defines Page Character Set (Unicode/ UTF-8, allow us to use multiple languages in the same page)
2. Used for responsive web design (will cover in the day-02)
3. Defines which version of IE should be used for this website (In the early days internet explorer was a serious painful application for developers as it lacked almost all modern features, so developers had to force users not to use older versions)



If Internet Explorer is brave enough to ask you to be your default browser, you're brave enough to ask that girl out.

4. Shows Favicon (icon that shows on browser tab)
5. Shows Title on browser tab
6. Add External CSS File (in this case, we added Roboto font from GOOGLE)
7. Add Internal CSS (note that previous link href was a full URL, but this one is not as this file is already in our server directory)
8. Add Javascript File (We will learn more about javascript at the end of PHP sessions)
9. Some other meta tags are also available for SEO and Social Media which you will know from time to time.

FURTHER READINGS

- <https://www.w3schools.com/html/default.asp> (a complete course on HTML)
- <https://webplatform.github.io/docs/html/tutorials/>
- <https://developer.mozilla.org/en-US/docs/Web/HTML>
- https://www.tutorialspoint.com/html/html_tutorial.pdf
- <http://michael-puff.de/Programmierung/HTML/Step%20by%20Step%20HTML5.pdf>
(some in-depth knowledge; never touched it though)

Note: I highly recommend you to go through the first course from w3school. It will be helpful for you in future. Specially you will know where to look for when you are stuck with something.

WHAT WILL BE COVERED IN THE NEXT DAYS

- Learning Browser Console/ Developer Tools Usage
- HTML Form Elements
- CSS Basics & How to use it
- Responsive Web Design (What it is & How to convert our static site to a responsive one, Bootstrap Framework)
- Glance of HTML5 & CSS3

Hope to see you in the next day. Best of Luck.

Thank You.

Md. Ali Azam

aliazam2912@gmail.com