

# Introduction to HTML Documents

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# Overview



Understanding HTML Doc

HTML Documents Structure

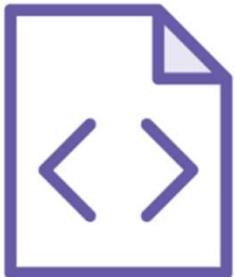
<HTML>

<HEAD>

<BODY>

# Understanding HTML Document

# HTML Documents



**HTML is a markup language**

Text in the document is “marked up”

Markup is not displayed

Browsers interpret the markup

## HTML Then

- Research documents
- Sharing reports
- Linking to related research
- Displaying experimental data
- Charts, graphs, and simple pictures

## HTML Now

- Storefronts, applications, files/photos
- Interactive interfaces
- Graphically rich

# HTML Then

[Docs] [txt|pdf] [draft-ietf-uri-url] [Tracker] [Diff1] [Diff2] [Errata]

Obsoleted by: [4248](#), [4266](#)  
Updated by: [1808](#), [2368](#), [2396](#), [3986](#), [6196](#), [6270](#),  
[8089](#)

Network Working Group  
Request for Comments: 1738  
Category: Standards Track

PROPOSED STANDARD  
**Errata Exist**  
T. Berners-Lee  
CERN  
L. Masinter  
Xerox Corporation  
M. McCahill  
University of Minnesota  
Editors  
December 1994

**Uniform Resource Locators (URL)**

**Status of this Memo**

This document specifies an Internet standards track protocol for the Internet community, and requests discussion and suggestions for

Introduction to HT

# HTML Now

home > bags & travel

**ESSENTIAL PACK**  
SKU: 48040747 | ★ 4.2 | 10 reviews

\$259.99  
Perfect for anyone starting out.

Color:   
Quantity: < 1 >  
Size: < S/M >

**ADD TO CART**

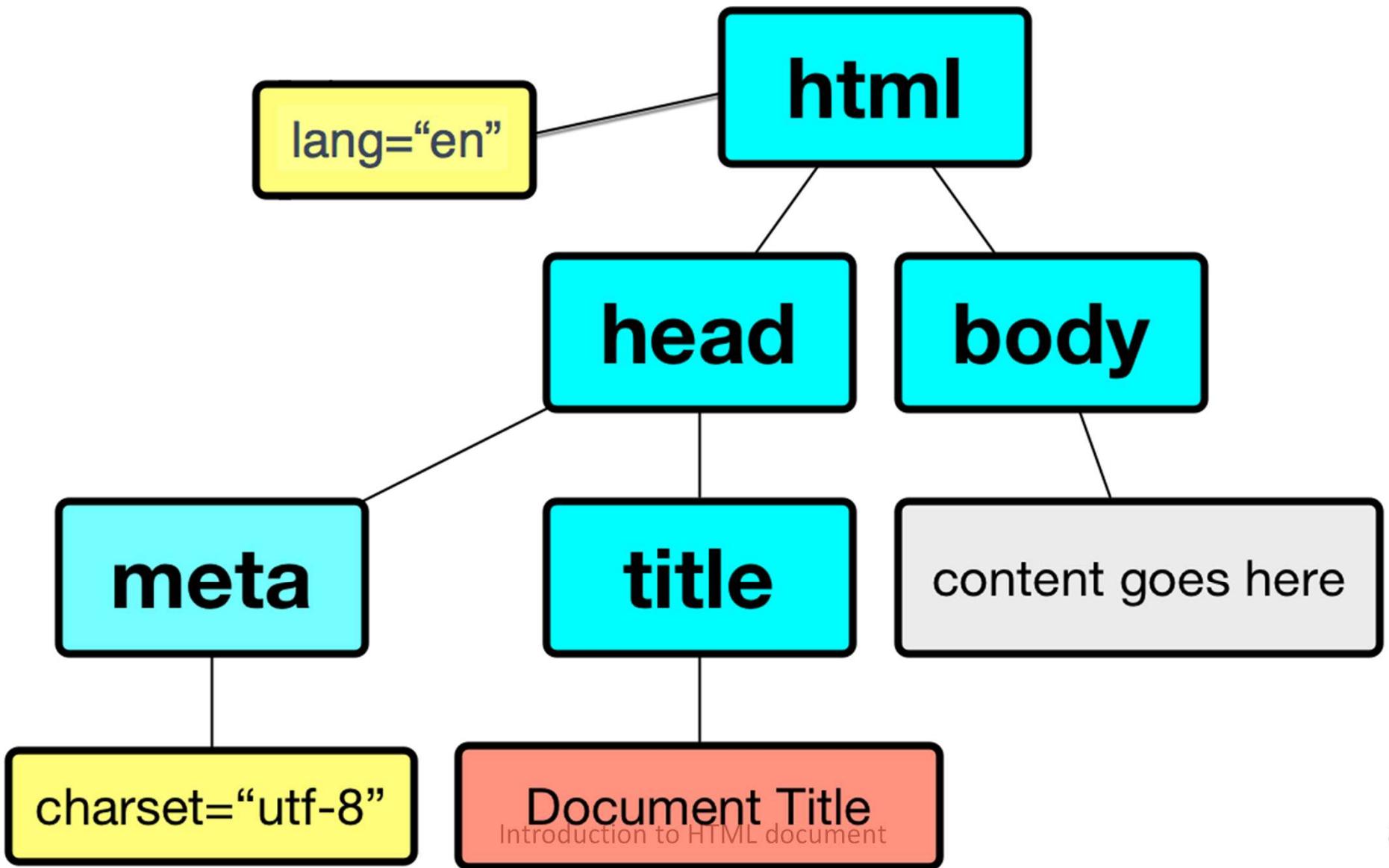
Zoom Zoom Out Reset

CUSTOMERS ALSO VIEWED

 FIREBRAND KAYAK \$499.95  
 HIGHLIGHTER HEAD \$42.98  
 THE GOLDEN LINK \$21.99  
 MEGA POKEY KIT \$129.99  
 ESSENTIAL PACK \$259.99  
 MOCCASINS \$35.95

# HTML Document Structure

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```
<!DOCTYPE HTML>

<!DOCTYPE HTML PUBLIC
"-//W3C//DTD HTML 4.01//EN"
"http://www.w3.org/TR/html4/strict.dtd">
```

## HTML Documents: Part 1

The **DOCTYPE** indicates the standards compliance or version of the document

# <head>

<title>

<meta>

<script>

<style>

<link>

<base>

## Different Usages of <meta> tag

---

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="This is a tutorial website for learning web development.">
    <meta name="keywords" content="HTML, CSS, JavaScript, Web Development">
    <meta name="author" content="John Doe">
    <meta name="robots" content="noindex">
    <meta http-equiv="refresh" content="30">
    <title>Meta Tag Example</title>
</head>
<body>
    <h1>Welcome to My Website</h1>
    <p>This is an example of using meta tags in an HTML document.</p>
</body>
</html>
```

## **1. Character Set Declaration:**

This meta tag specifies the character encoding for the HTML document. UTF-8 is the most commonly used encoding, which includes most characters from all languages.

```
<meta charset="UTF-8">
```

**Usage:** Ensures that the browser correctly interprets the characters used on the webpage.

## **2. Viewport Settings:**

This meta tag is used to control the layout on mobile browsers.

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

**Usage:** Ensures that the webpage is responsive and scales appropriately on different devices.

## **3. Page Description:**

This meta tag provides a brief description of the page content. Search engines like Google use this description when displaying search results.

```
<meta name="description" content="Learn HTML and CSS with easy-to-follow tutorials and examples.">
```

**Usage:** Helps with SEO by giving search engines a summary of your page.

#### **4. Keywords for SEO:**

This meta tag defines a list of keywords related to the content of the webpage.

```
<meta name="keywords" content="HTML, CSS, JavaScript, Web Development">
```

**Usage:** Provides additional context to search engines, but many modern search engines don't heavily rely on keywords anymore.

#### **5. Author of the Page:**

This meta tag specifies the author of the HTML document.

```
<meta name="author" content="Shoaib">
```

**Usage:** Gives credit to the author of the content.

#### **6. Refresh the Page Automatically:**

```
<meta http-equiv="refresh" content="30">
```

**Usage:** Refreshes the page every 30 seconds.

```
<meta http-equiv="refresh" content="5;url=https://learn.microsoft.com">
```

This will redirect the user to <https://www.example.com> after 5 seconds.

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## **7. Preventing Search Engine Indexing**

You can instruct search engines not to index the page using this tag.

```
<meta name="robots" content="noindex">
```

**Usage:** Tells search engines not to include this page in search results.

## **8. Specifying Content-Type and Language**

This meta tag is used to declare the content type and the language of the page.html

```
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<meta http-equiv="Content-Language" content="en">
```

**Usage:** Ensures the browser knows the type of content and the language used in the page.

```
<html>  
    <head> </head>  
  
    <body>  
        ... page content ACTUALLY goes here ...  
    </body>  
</html>
```

## HTML Documents: Part 4

The **BODY** contains the content to be displayed

# <body>

Text

Lists

Links

Tables

Images

# References

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<https://www.futurelearn.com/info/courses/introduction-to-web-development/0/steps/70493>