

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

HTML Now



Q: What can we help you find? SEARCH

[CLOTHING](#) [FOOTWEAR](#) [EQUIPMENT](#) [BAGS & TRAVEL](#) [TRAIL REVIEWS](#)

John Doe
Log Out

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



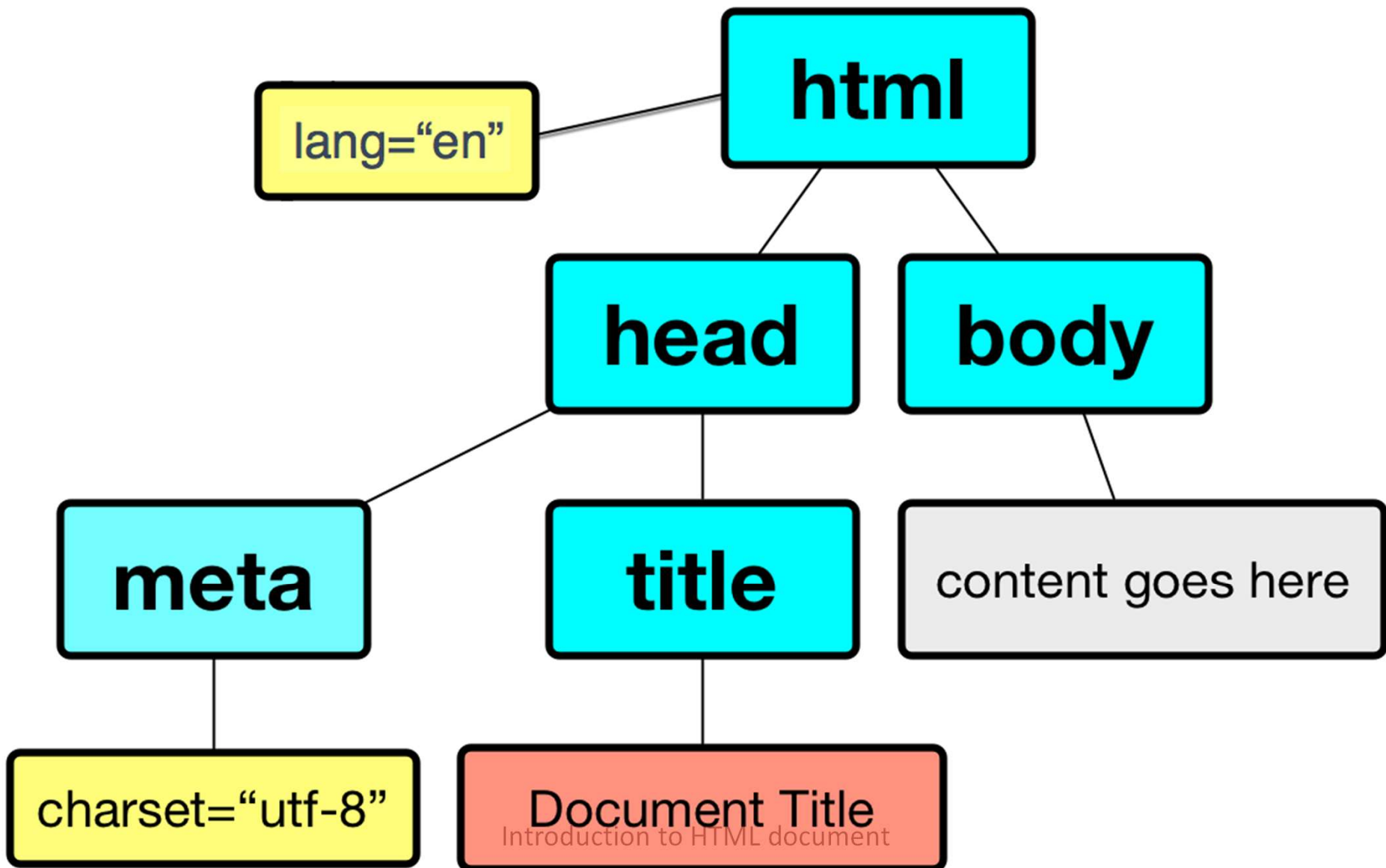
ESSENTIAL PACK
\$259.99



MOCCASINS
\$35.95

Introduction to HT

HTML Document Structure




```
<!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.

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

<https://www.geeksforgeeks.org/html-course-structure-of-an-html-document/>

<https://www.scaler.com/topics/structure-of-html-document/>

<https://web.dev/learn/html/document-structure/>

<https://stuyhsdesign.wordpress.com/basic-html/structure-html-document/>

<https://www.educative.io/answers/what-is-the-basic-structure-of-an-html-document>

https://developer.mozilla.org/en-US/docs/Learn/HTML/Introduction_to_HTML/Document_and_website_structure

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