

# XHTML

Hypertext Markup Language 5  
(HTML5)



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# XHTML

(Hypertext Markup Language 5)

# XHTML

- XHTML stands for Extensible Hypertext Markup Language
- XHTML was developed by World Wide Consortium (W3C) to help web developers make the transition from HTML to XML
- XHTML is stricter than HTML
- XHTML is supported by all major browsers

# XHTML

*The following rules apply to “XHTML5”*

- XHTML DOCTYPE is mandatory
- The xmlns attribute in <html> is mandatory
- <html>, <head>, <title>, and <body> are mandatory
- All elements must have a start tag
- Non-void elements with a start tag must have an end tag

# XHTML

- Any element (specially void) may be “self-closed” using `</>`
- Tags and attributes are case sensitive, typically lowercase
- Attributes values must be enclosed in quotes
- Empty attributes are forbidden (checked must be `checked="checked"` or `checked="true"`)
- Special characters must be escaped using character entities

# HTML5

*The following rules apply to “HTML5” :*

- Start tags are not required for every element
- End tags are not required for every element
- Only void elements such as br, img, and link may be “self-closed” with />
- Tags and attributes are case-insensitive
- Attributes do not need to be quoted
- Some attributes may be empty (such as checked and disabled)
- Special characters, or entities, do not have to be escaped

# Why XHTML?

- XHTML provides greater control over documents viewed in a variety of browsers, mobile phone or other smaller devices, which leads to better accessibility
- XML is a markup language where documents must be marked up correctly (be “well formed” )
- By combining the strengths of HTML and XML, XHTML was developed
- XHTML is HTML redesigned as XML



# XHTML - Example

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0  
Transitional//EN"
```

```
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
  <title>XHTML page </title>
```

```
</head>
```

# XHTML – Example...

```
<body>
```

```
<!-- All elements must be properly nested with each other -->
```

```
<b><i>Web Stack Academy</i></b>
```

```
<!-- All empty elements must be closed -->
```

```
<br/>Welcome to the world of web development!!
```

```
</body>
```

```
</html>
```

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*Thank  
you*