HTML

HTML & XHTML

XHTML

- XHTML is HTML written as XML
- XHTML stands for E**X**tensible **H**yper**T**ext **M**arkup **L**anguage
- XHTML is almost identical to HTML
- XHTML is stricter than HTML
- XHTML is HTML defined as an XML application
- XHTML is supported by all major browsers

Why XHTML?

- Many pages on the internet contain "bad" HTML

The Most Important Differences from HTML

Document Structure

XHTML DOCTYPE is **mandatory**

The xmlns attribute in <html> is **mandatory**

<html>, <head>, <title>, and <body> are **mandatory**

XHTML Elements

XHTML elements must be **properly nested**

XHTML elements must always be **closed**

XHTML elements must be in **lowercase**

XHTML documents must have **one root element**

XHTML Attributes

Attribute names must be in **lower case**

Attribute values must be **quoted**

Attribute minimization is **forbidden**

XHTML Elements Must Be Properly Nested

- <i>This text is bold and italic</i>

XHTML Elements Must Always Be Closed

- <p>This is a paragraph

Empty Elements Must Also Be Closed

- A break:

- A horizontal rule: <hr>

- An image: <img src="logo.jpg" alt="SureshTechs">

XHTML Elements Must Be In Lower Case

```
<BODY>
<P>This is a paragraph</P>
</BODY>
```

XHTML Attribute Names Must Be In Lower Case

- <table WIDTH="100%">

Attribute Values Must Be Quoted

- <table width=100%>

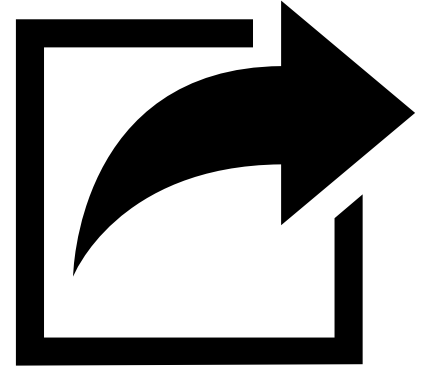# Attribute Minimization Is Forbidden

- <input type="checkbox" name="vehicle" value="car" checked />

How to Convert from HTML to XHTML

- Add an XHTML <!DOCTYPE> to the first line of every page
- Add an xmlns attribute to the html element of every page
- Change all element names to lowercase
- Close all empty elements
- Change all attribute names to lowercase
- Quote all attribute values

Thank you

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