

# Information Technology Application I

# LEARNING MATERIALS

HTML

CSS

JS and  
Ajax

facebook



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# DEFINITIONS

## HTML

Hypertext Markup Language (HTML) is the predominant markup language for web pages. HTML elements are the basic building-blocks of webpages.

HTML is written in the form of HTML elements consisting of *tags*, enclosed in angle brackets (like <html>), within the web page content. HTML tags most commonly come in pairs like <h1> and </h1>, although some tags, known as *empty elements*, are unpaired, for example <img>. The first tag in a pair is the *start tag*, the second tag is the *end tag* (they are also called *opening tags* and *closing tags*). In between these tags web designers can add text, tags, comments, and other types of text-based content.

## CSS

Cascading Style Sheets (CSS) is a style sheet language used to describe the presentation semantics (the look and formatting) of a document written in a markup language. Its most common application is to style web pages written in HTML and XHTML, but the language can also be applied to any kind of XML document, including plain XML, SVG and XUL.



# DEFINITIONS

## JAVASCRIPT

JavaScript is a prototype-based scripting language that is dynamic, weakly typed and has first-class functions. It is a multi-paradigm language, supporting object-oriented,<sup>[6]</sup> imperative, and functional<sup>[1][7]</sup> programming styles. **CSS**

## AJAX

Ajax (also AJAX; pronounced /'eɪdʒæks/; an acronym for asynchronous JavaScript and XML)<sup>[1]</sup> is a group of interrelated web development methods used on the client-side to create interactive web applications. With Ajax, web applications can send data to, and retrieve data from, a server asynchronously (in the background) without interfering with the display and behavior of the existing page. Data is usually retrieved using the XMLHttpRequest object. Despite the name, the use of XML is not needed (JSON is often used instead), and the requests do not need to be asynchronous.<sup>[2]</sup>



# Content Of Material

## HTML and CSS (1/2 Semester)

### Section I: HTML Basic

- Chapter 1: HTML Getting Started
- Chapter 2: HTML Fundamentals
- Chapter 3: HTML Elements.
- Chapter 4: HTML Attributes
- Chapter 5: HTML Headings, Rules, & Comments
- Chapter 6: HTML Paragraphs
- Chapter 7: HTML Text Formatting
- Chapter 8: HTML Styles
- Chapter 9: HTML Links
- Chapter 10: HTML Images
- Chapter 11: HTML Tables
- Chapter 12: HTML Lists
- Chapter 13: HTML Forms & Input
- Chapter 14: HTML Color
- Chapter 15: HTML 4.01 Quick List.
- Section II: HTMI/CSS Advanced

### Section II: HTMI/CSS Advanced

- Chapter 16: HTML Layout
- Chapter 17: HTML Frames
- Chapter 18: HTML Fonts
- Chapter 19: Why Use HTML 4.0?
- Chapter 20: HTML CSS Styles
- Chapter 21: HTML Character Entities
- Chapter 22: HTML Head & Meta Elements
- Chapter 23: HTML Uniform Resource Locators
- Chapter 24: HTML Scripts
- Chapter 25: HTML Standard Attributes
- Chapter 26: HTML Event Attributes
- Chapter 27: HTML URL Encoding
- Chapter 28: Turn Your PC Into a Web Server
- Chapter 29: HTML and CSS Summary



# **Content Of Material**

## **JS and AJAX (1/2 Semester)**

**Section I: JavaScript Basic**

**Section II: JavaScript Objects**

**Section III: JavaScript Advanced**

**Section IV: AJAX Basic**

**Section V: AJAX Advanced**



# Applications

## Editor

Ultra Edit

Frontpage

Dreamweaver

Microsoft FrontPage Enterprise Edition - http://fpdemomach/dolls\_detail\_dhtml2.htm

File Edit View Insert Format Tools Table Data Frames Window Help

Verdana

Web Site / new\_page\_1.htm dolls\_detail\_dhtml2.htm contact.htm template\_main.dwt dolls\_detail\_dhtml.htm

<body> <div> <FP:editable> </div> <div> <table> <tr> <td> <img>

```
237     <div style="position: absolute; width: 57px; height: 262px; z-index: 268435456; left: 104px; top: 238         <!-- MSTableType="layout" -->
239         <table border="1" width="567" height="259">
240             <tr>
241                 <td height="259" width="196" rowspan="4">
242                     </td>
243                     <td height="54" width="170">Products</td>
244                     <td height="53" width="179">&ampnbsp</td>
245             </tr>
246             <tr>
247                 <td height="35" width="170">
248                     <u><b>Collectible Dolls</b></u></td>
249                     <td height="108" width="179" rowspan="2">
250                         <h3>Ship to:</h3> <select size="1" name="D1">
```

layer1

Products

Collectible Dolls

Little Betty Blue  
In Stock: Yes  
Quantity: 1  
Order This Item

Design Split Code Preview

## Web Browser

IE

Firefox

Opera

Microsoft® FrontPage 2003 Upgrade at TigerDirect.com - Mozilla Firefox

File Edit View History Bookmarks Tools Help

TigerDirect.com (23) W3Schools Online W... HTML Tutorial CSS Tutorial JavaScript - Wikipedia... Ajax (programming) Hasil Penelusuran Google Microsoft® Front... Hasil Penelusuran Google

http://www.tigerdirect.com/applications/SearchTools/item-details.asp?cdN=671835&catId=1217

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- Console Games
- Downloadable Software
- Educational Games
- Graphics & Design
- Hobbies & Interests
- Internet
- Mac Software
- Microsoft Office 2010
- Operating Systems
- Point of Sale (POS)
- Programming
- Resume & Job Search
- Security
- Server Software
- Tax Preparation
- New Accounts
- Apply Store Utilities

Item Number: M17-5674  
Model: 392-9223  
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Start

# Rules and Scoring

Aturan :

1. Keterlambatan maks 10 Menit Sebelum Perkuliahan Berlangsung
2. Setiap Pertemuan ada tugas / sesuai dengan materi yang diberikan
3. Materi dan Tugas Berada Dikomputer Dosen Yang dapat diakses melalui FTP

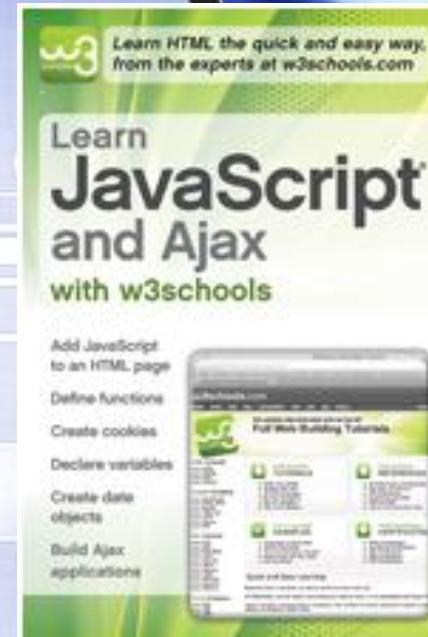
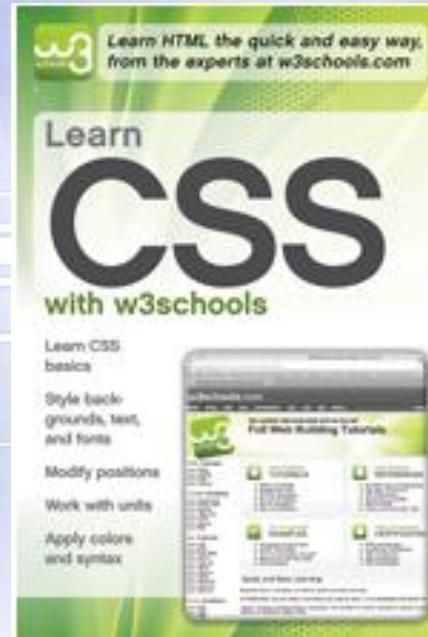
Nilai Akhir :

10% Absensi +10%Quiz + 25% Tugas + 25%UTS + 30%UAS

Indeks:

NILAI	INDEKS	PREDIKAT
$80 \leq NA \leq 100$	A	LULUS, SANGAT BAIK
$68 \leq NA \leq 79$	B	LULUS, BAIK
$56 \leq NA \leq 67$	C	LULUS, CUKUP BAIK
$45 \leq NA \leq 55$	D	LULUS, KURANG
$0 \leq NA \leq 44$	E	TIDAK LULUS

# Books and Site



<http://www.w3schools.com>

# THANK U

98

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WWW

