

PEMROGRAMAN WEB

3 SKS

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Deskripsi dan CPL

Deskripsi Mata Kuliah

- Mata kuliah ini merupakan salah satu serial mata kuliah yang memberikan pemahaman kepada mahasiswa mengenai pembangunan aplikasi sistem informasi. Di mata kuliah ini mahasiswa akan memahami arsitektur layanan berbasis web dan membuat aplikasi berbasis web. Selain itu mahasiswa mendapatkan wawasan tentang framework aplikasi berbasis web

Capaian Pembelajaran Lulusan yang Didukung

- Meningkatkan kualitas integrasi bisnis & TI yang memberikan daya saing pada organisasi
- Memiliki pengetahuan tentang pengelolaan organisasi, proses & artifak TI untuk keberlangsungan bisnis

Tujuan Pembelajaran yang Spesifik

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- Mahasiswa mampu memahami arsitektur layanan berbasis web
- Mahasiswa mampu memahami teknologi yang digunakan untuk membuat aplikasi web
- Mahasiswa mampu menjelaskan berbagai macam MVC framework untuk membangun aplikasi web

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- Mahasiswa mampu membuat aplikasi berbasis web dengan framework yang diusulkan

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- Mahasiswa mampu menunjukkan dan melaporkan proses dan hasil pembangunan aplikasi berbasis web



webstrom_tech and coderx.muneeb



2023



CODERX.MUNEEB



WEBSTROM_TECH

WEB DEVELOPER SKILLS

BY - @WEBSTROM_TECH

BASICS

HTML 
CSS 
Javascript 

FRAMEWORKS

Bootstrap 
Angular.Js 
React.Js 
Vue.Js 

DESIGNS

Figma 
Photoshop 
Adobe.XD 

BACKEND

SQL 
Databases 
Python 
Java 
PHP 

EXTRA

GIT 
GITHUB 
Media Query 
Library &
Framework 

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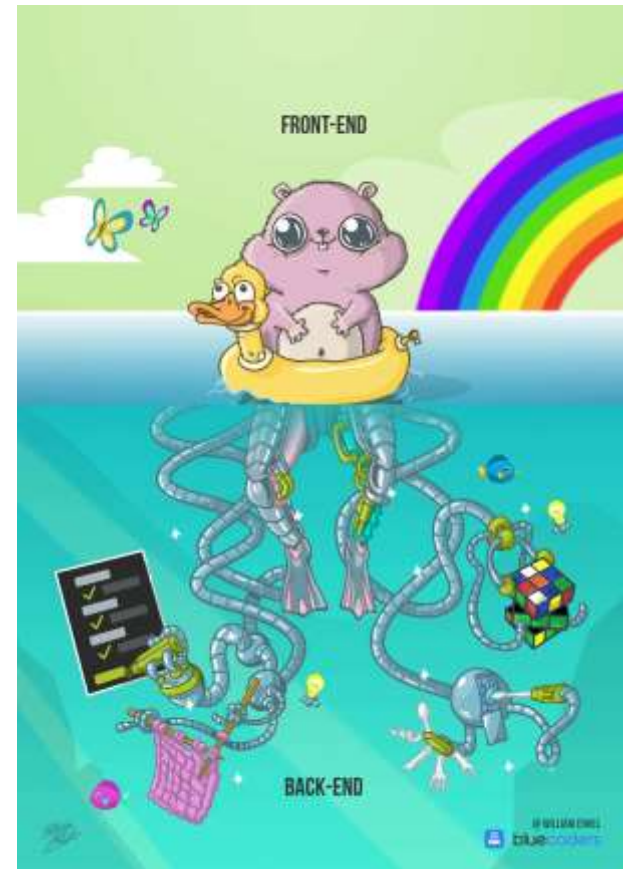
webstrom_tech Web Developer Skills ⚡ ... more

10 August

MATERI PERKULIAHAN



- HTML
- CSS
- TWITTER BOOTSTRAP UI FRAMEWORK
- JavaScript
- Hypertext Preprocessor (PHP)
- LARAVEL PHP Framework
- MySQL Database





Rencana Pertemuan

Pertemuan	Materi
1	Introduction + HTML
2	CSS
3	Bootstrap
4	Latihan HTML + Bootstrap
5	JavaScript
6	HTML + Bootstrap + JavaScript
7	Latihan Soal
8	Evaluasi Tengah Semester
9	PHP Basic
10	Laravel Introduction , Routing
11	Koneksi Database + Database Select , Insert
12	Database Update , Delete
13	Fitur Tambahan Laravel
14	Adopsi CRUD untuk kasus khusus
15	Latihan Studi Kasus
16	UAS (Praktek Coding)

I heard you want to be a web developer



Here are a few devices to test your site

HOW TO LEARN

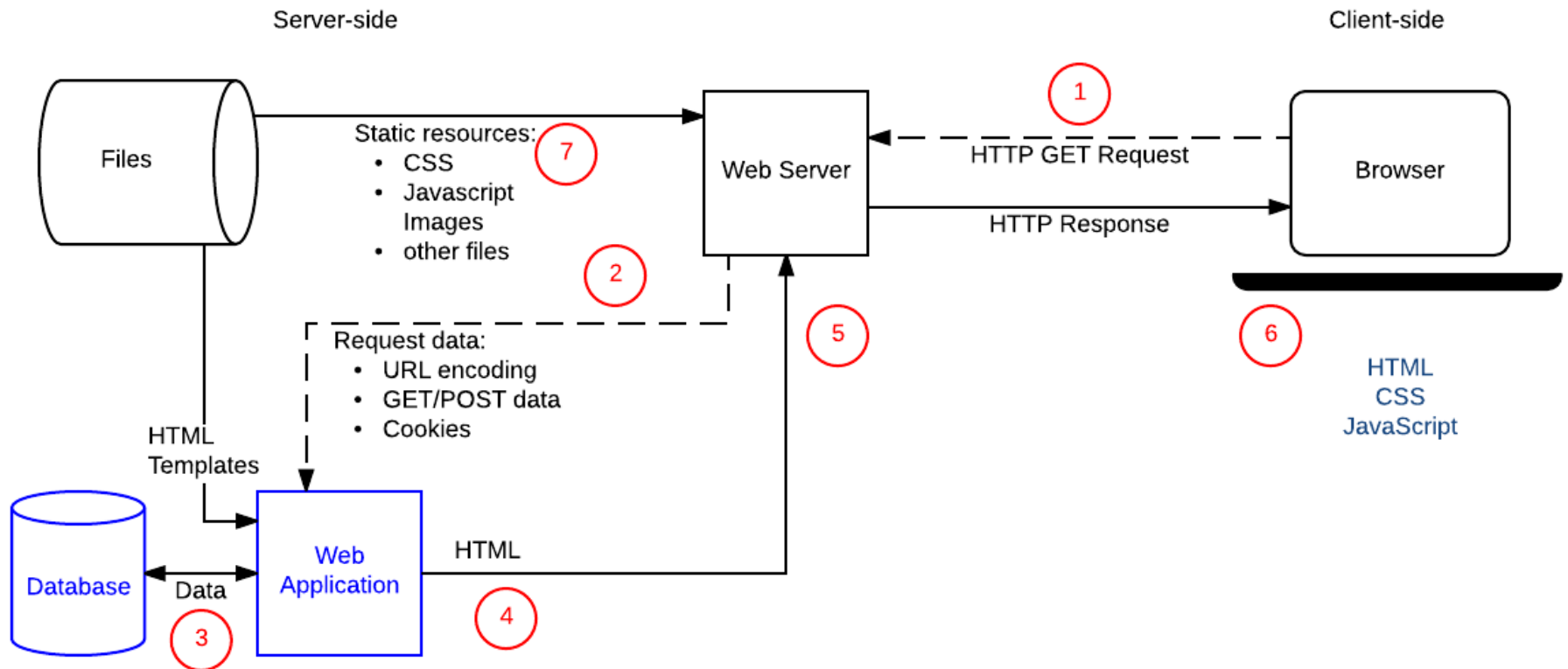
- Menghafal syntag / perintah / keyword
(mandiri di rumah)
- Quiz untuk Hafalan
- PRAKTEK Langsung di Laptop
Penggunaan , manfaat , dan Studi Kasus
- Tugas di Rumah mengulang yang
dibahas di kelas
- Integrasi antar komponen



WEB

- FRS Online
- Facebook
- WhatsApp
- LINE
- Telegram
- Twitter
- Bukalapak
- Tokopedia
- dll

Web Architecture Diagram

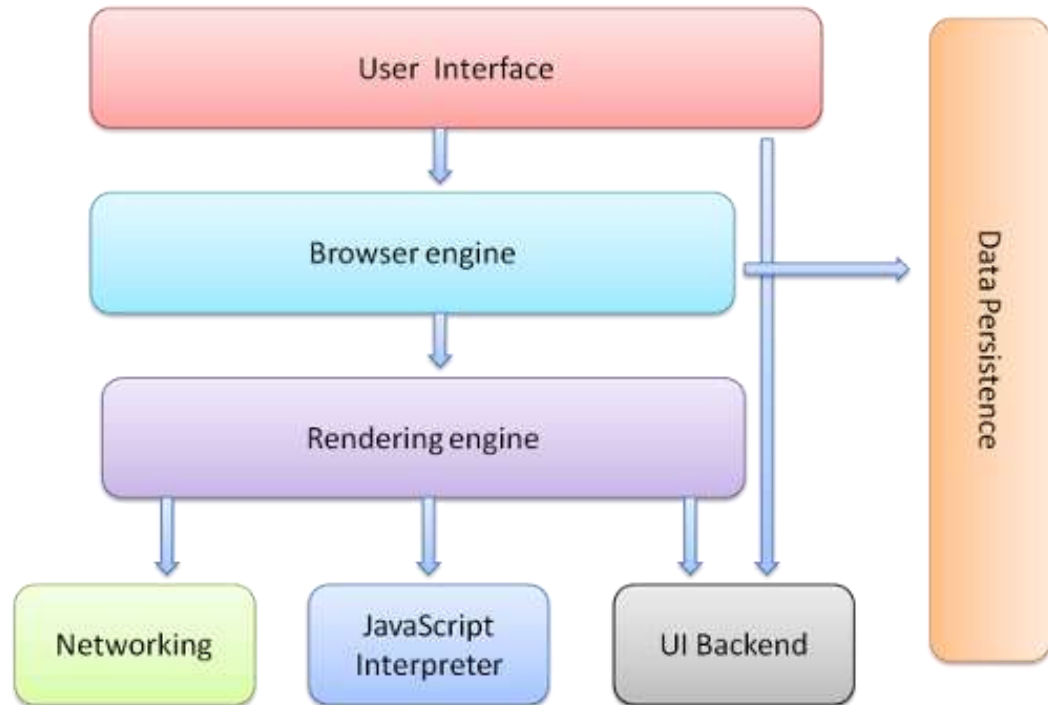




Tools

- Visual Studio Code /
Notepad++ / Sublime Text
dll
- XAMPP
 - Apache
 - mySQL
- Firefox / Chrome / Safari
 - Web Developer Addins /
Plugins

Web Browser





HTML

- Hyper Text Markup Language
- Support HTTP and HTTPS (Hyper Text Transfer Protocol)
- **TEXT BASED**
- Universal
- Support Web Browser

HTML

ROADMAP

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MULTIMEDIA TAGS & ATTRIBUTES

MULTIMEDIA TAGS

- <audio>
- <video>
- <source>
- <embed>
- <track>
- <object>
- <iframe>

ATTRIBUTES TAGS

- align
- valign
- bgcolor
- background
- id
- class
- width
- height

HTML TAGS

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HEAD TAGS

- <title>
- <meta>
- <link>
- <script>
- <no-script>
- <style>

CONTENT TAGS

- <h1> to <h2>
- <p>
-
-
- <div>
-

LIST TAGS

-
-
-
- <dl>
- <dt>
- <dd>

MORE IMPORTANT TAGS

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SEMANTIC TAGS

- <article>
- <aside>
- <details>
- <figcaption>
- <figure>
- <footer>
- <header>
- <main>
- <mark>
- <nav>
- <section>
- <summary>
- <time>

EMPTY TAGS

-

- <hr>
-
- <input>
- <link>
- <meta>
- <source>

HTML Cheatsheet

Document Outline

<!DOCTYPE>	version of (X) HTML
<html>	HTML document
<head>	page information
<body>	page contents

Document Structure

<h[1-6]>	heading
<div>	page selection
	inline section
<p>	paragraph
 	line break
<hr>	horizontal rule

Text Markup

	strong emphasis
	emphasis
<blockquote>	long quotation
<q>	short quotation
<abbr>	abbreviation
<acronym>	acronym
<address>	address
<pre>	pre-formatted text
<dfn>	definition
<code>	code
<cite>	citation
	deleted text
<ins>	inserted text
<sub>	subscript
<sup>	superscript
<bdo>	text direction

Tables

<table>	table
<caption>	caption
<thead>	table header
<tbody>	table body
<tfoot>	table footer
<colgroup>	column group
<col />	column
<tr>	table row
<th>	header cell
<td>	table cell

Form Events

<form>	form
<fieldset>	collection of fields
<legend>	form legend
<input />	input label
<select>	dropdown box
<optgroup>	group of options
<option>	dropdown options
<textarea>	large text input
<button>	button

Form Events

onBlur	OnReset
onChange	onSelect
onFocus	onSubmit



Learn to Code
@codes.learning

Save this
for Later !



Document Outline	
<!DOCTYPE>	Version of (X)HTML
<html>	HTML document
<head>	Page information
<body>	Page contents

Comments	
<!-- Comment Text -->	

Page Information	
<base />	Base URL
<meta />	Meta data
<title>	Title
<link />	Relevant resource
<style>	Style resource
<script>	Script resource

Document Structure	
<h[1-6]>	Heading
<div>	Page section
	Inline section
<p>	Paragraph
 	Line break
<hr />	Horizontal rule

Links	
	Page link
	Email link
	Anchor
	Link to anchor

Text Markup	
	Strong emphasis
	Emphasis
<blockquote>	Long quotation
<q>	Short quotation
<abbr>	Abbreviation
<acronym>	Acronym
<address>	Address
<pre>	Pre-formatted text
<dfn>	Definition
<code>	Code
<cite>	Citation
	Deleted text
<ins>	Inserted text
<sub>	Subscript
<sup>	Superscript
<bdo>	Text direction

Lists	
	Ordered list
	Unordered list
	List item
<dl>	Definition list
<dt>	Definition term
<dd>	Term description

Forms	
<form>	Form
<fieldset>	Collection of fields
<legend>	Form legend
<label>	Input label
<input />	Form input
<select>	Drop-down box
<optgroup>	Group of options
<option>	Drop-down options
<textarea>	Large text input
<button>	Button

Tables	
<table>	Table
<caption>	Caption
<thead>	Table header
<tbody>	Table body
<tfoot>	Table footer
<colgroup>	Column group
<col />	Column
<tr>	Table row
<th>	Header cell
<td>	Table cell

Images and Image Maps	
	Image
<map>	Image Map
<area />	Area of Image Map

Common Character Entities	
"	" Quotation mark
&	& Ampersand
<	< Less than
>	> Greater than
@	@ "At" symbol
€	€ Euro
•	• Small bullet
™	™ Trademark
£	£ Pound
 	Non-breaking space
©	© Copyright symbol

Objects	
<object>	Object
<param />	Parameter

Empty Elements	
<area />	
<base />	<input />
 	<link />
<col />	<meta />
<hr />	<param />

Core Attributes	
class	style
id	title
Note: Core Attributes may not be used in base, head, html, meta, param, script, style or title elements.	

Language Attributes	
dir	lang
Note: Language Attributes may not be used in base, br, frame, frameset, hr, iframe, param or script elements.	

Keyboard Attributes	
accesskey	tabindex

Window Events	
onLoad	onUnload

Form Events	
onBlur	onReset
onChange	onSelect
onFocus	onSubmit

Keyboard Events	
onKeyDown	onKeyUp
onKeyPress	

Mouse Events	
onClick	onMouseout
onDbldclick	onMouseover
onMouseDown	onMouseup
onMouseMove	

40 PROJECT IDEAS FOR WEB DEVELOPER

Calculator



Quiz App



Rock Paper Scissors



Note App



Stopwatch App

QR Code Reader



Weather App

Ecommerce Website



Landing Page

0. Password Generator



1. Tic Tac Toe Game

2. Link Shortener Website



3. Portfolio Website



4. Drawing App

5. Food Order Website



6. Meme Generator

7. Movie App



8. Chat App

9. Twitter Clone



0. Survey App

21. E-Book Site



22. Instagram Clone



23. Whatsapp Clone



24. Netflix Clone

25. File Sharing App



26. Parallax Website

27. Job Search App:

28. Pinterest Clone



29. Dating App

30. Social Media Dashboard

31. Tracker App



32. Memory App



33. Giphy Clone

34. User Activity Tracker

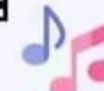


35. Stock-Trading App

36. Chess Game



37. Music Player



38. To-Do List App

39. Random User API



40. Typing Speed Test

Senyum
sejenak
😊



