04 – Document Object Model

//// Design of Distributed Systems /////////////////////

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Does someone want to present his/her solution for

 # Homework2 ?

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1 DOM

In order to build a website, you need knowledge in…

Marketing

Design

Client-Side Code
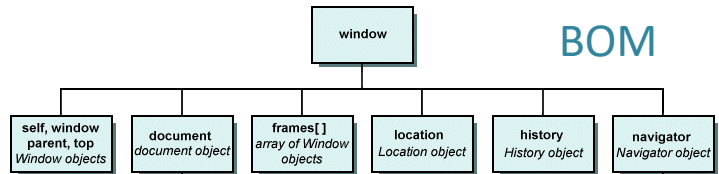
Browser

Server-Side Code

Web Server

Databases

OS

Management

SEO
SEM
Support

UI/UIX Design
Responsive
Photoshop

HTML5
CSS
JavaScript
XML

Bootstrap
jQuery
AngularJS
Cordova

IE, Chrome, Firefox
DOM
MobileDev

Webservices
AJAX

PHP
ASP.NET
Java
Python
nodeJS

Sockets
Load Balancing
Caching

Apache
IIS
Security
Protocols

MySQL
MS SQL
Oracle
NoSQL

Linux
Windows Server
Storage

Routing
DNS
Devices

Git / SVN
Tooling
Documentation

Architecture
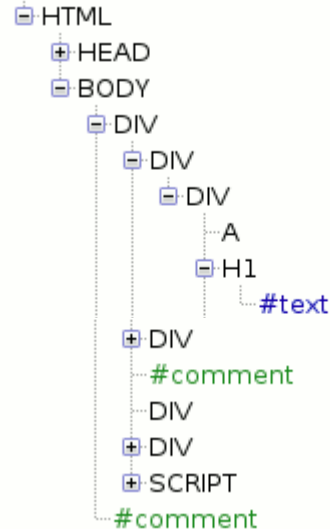OOP

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DOM is

- an API to access X(HTML) and XML documents
- in an object-based, tree structure fashion
- that offers methods for programmatic interactive manipulation of the document structure
- also a model that is commonly used by browsers internally to render HTML content

Example


```html
1   <html lang="en">
2   <head>
3     <meta charset="utf-8">
4     <title>Websites are cool</title>
5     <link href="css/styles.css">
6   </head>
7   <body>
8     <div id="main">
9       <div class="header">
10        <div>
11          <a name=" top"></a>
12          <h1>This is a title</h1>
13        </div>
14      </div>
15      <div class="main">
16        <p>This is a paragraph</p>
17      </div>
18      <!-- Let's add something here later -->
19      <div class="menu"></div>
20      <div id="image1">
21        <img src="test.png"/>
22      </div>
23      <script src="js/scripts.js"></script>
24      <!-- end of main content -->
25    </div>
26  </body>
27  </html>
```

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2

DOM Hacking

VSR

mytuc.org/tgxs

Thank you!

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