



VSR://edu/2016/evs/

03 – Document Object Model

//// Design of Distributed Systems

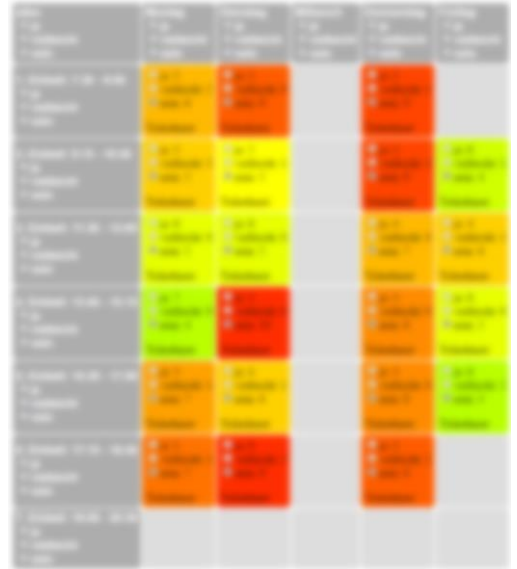
////////////////////////////////////

Dipl.-Inf. André Langer

VSR.Informatik.TU-Chemnitz.de

Next EVS Tutorial appointments

<https://goo.gl/7Zb5uw>



Next EVS Tutorial appointments

if: Wed, 11/16/2016 17:15 1/208a == NO
then: Mon, 11/14/2016 13:45

elif: Wed, 11/23/2016 17:15 1/208a == NO
then: Fri, 11/25/2016 15:30

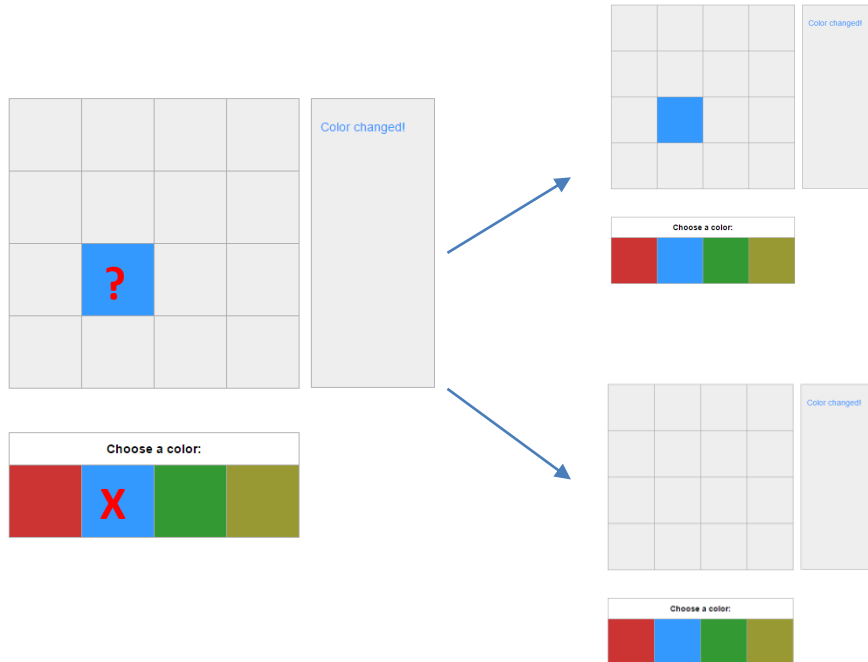
else: Wed, 11/30/2016 17:15 1/208a == OK

1 Javascript Revisited

Does someone want to present
his/her solution for

Homework2 ?

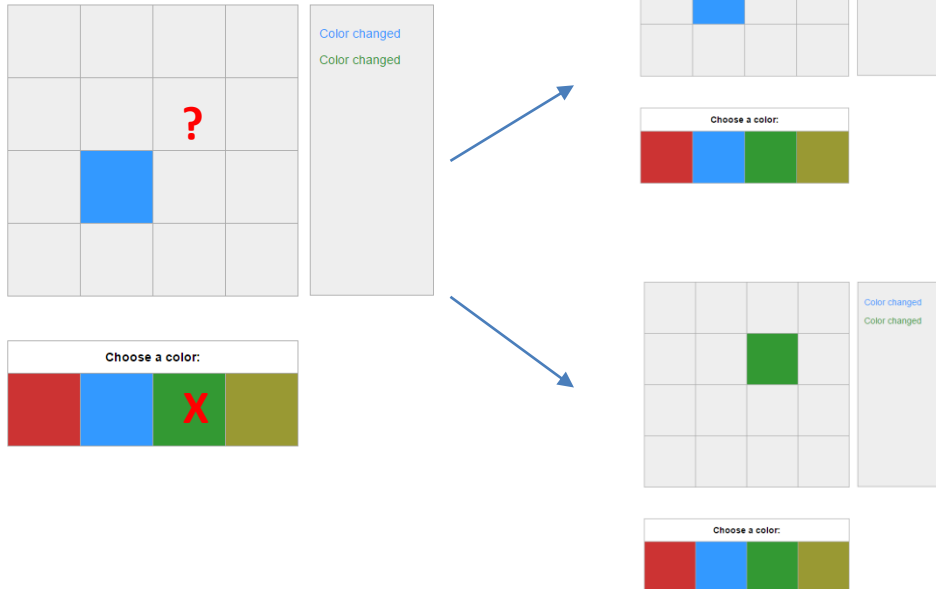
Common issues



Integrate the described functionality using JavaScript:

1. The user shall be able to select a color by clicking on the colored fields at the bottom.
2. If the users clicks on a field in the upper grey square, the color of the clicked field should be changed to the previously selected color.
3. If the field was already colored with the selected color, its color should be changed back to grey.

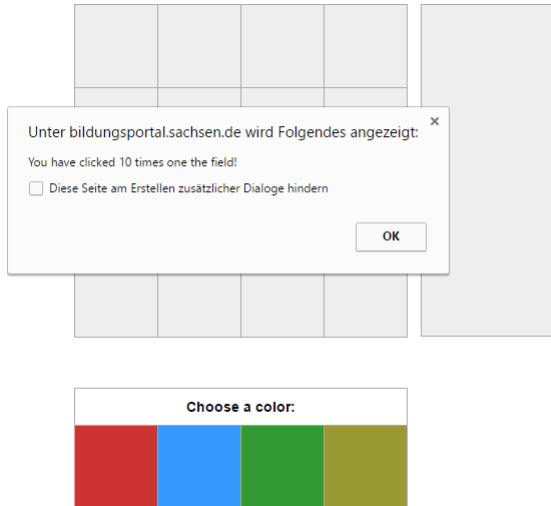
Common issues



Integrate the described functionality using JavaScript:

1. The user shall be able to select a color by clicking on the colored fields at the bottom.
2. If the users clicks on a field in the upper grey square, the color of the clicked field should be changed to the previously selected color.
3. If the field was already colored with the selected color, its color should be changed back to grey.

Common issues



Integrate the described functionality using JavaScript:

1. The user shall be able to select a color by clicking on the colored fields at the bottom.
2. If the users clicks on a field in the upper grey square, the color of the clicked field should be changed to the previously selected color.
3. If the field was already colored with the selected color, its color should be changed back to grey.
4. If a color was selected, insert a text entry "Color changed" colored in the selected color to the DIV element with the ID "Log".
5. After 10 clicks on the upper fields an alert with the text "You have clicked 10 times on the field!" should be displayed.

2

DOM

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

Marketing

Design

Client-Side Code

Browser

Server-Side Code

Web Server

Databases

OS

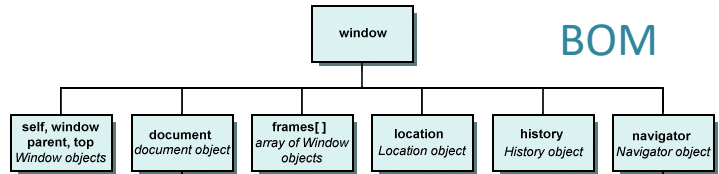
Management

SEO SEM Support
UI/UX Design Responsive Photoshop
HTML5 CSS JavaScript XML
Bootstrap jQuery AngularJS Cordova
IE, Chrome, Firefox DOM AJAX MobileDev
Webservices Architecture OOP
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

DOM is

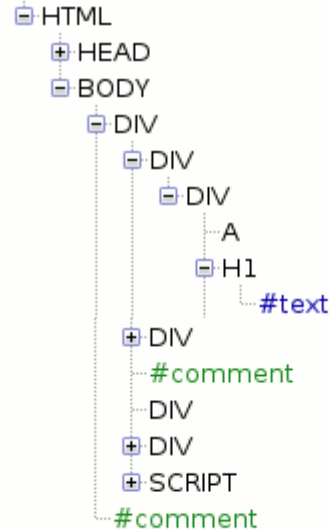
- an API to access X(HTML) and XML documents
- in an object-based, tree structure fashion
- that offers methods for programmatic interactive manipulation of the document structure
- also a model that is commonly used by browsers internally to render HTML content

Example



```

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        
22      </div>
23      <script src="js/scripts.js"></script>
24      <!-- end of main content -->
25    </div>
26  </body>
27 </html>
  
```





DOM Hacking



VSR

Thank You!

Andre.Langer@informatik.tu-chemnitz.de

VSR.Informatik.TU-Chemnitz.de