„*JavaScript – JS – dynamic web services – basic training*"

Course description:

JavaScript training is addressed to people who want to gain knowledge about JavaScript to create dynamic web pages. We require the participant to have the basic knowledge of HTML. During JavaScript training you will learn how to use JavaScript to communicate with users, how to change the Document Object Model, validate forms, animate graphics, create cookies and how to communicate with databases.

Skills acquired during the training:

o   gaining the knowledge about the functioning of the web browsers

o   learning the basics of JavaScript language

o   learning the specifics of DOM (Document Object Model)

o   learning about JQuery, which is a library to help you to use JavaScript capabilities

o   getting to know AJAX technology

o   getting to know the technology used for websites

Training program:

1. **Introduction to JavaScript language**
   - Where to use JavaScript
   - Posting scripts on websites (internally and externally)
   - Similarities to other programming languages
   - Document structure
   - Running scripts

2. **Syntax basics: data operations, basic structures, and operators**
   - Simple expression parsers, numbers, and variables
   - JavaScript data types
   - Arithmetic operators
   - Comparative and relational operators

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- Logical operators
- Bit operators
- Assignment operators
- Operator priorities
- Conditional statements
- Loops

3. **Tables**

4. **Basic functions**
   - Date and time
   - Math functions
   - Text functions
   - Events and their service
   - Events list
   - Regular expressions

5. **Built-in objects in JavaScript language**
   - Object constructor
   - Object Number
   - Object String
   - Object RegExp
   - Object Date
   - Object Math

6. **Forms**

7. **BOM**

8. **DOM**

9. **Creating your own objects**

10. **Ajax**
    - JavaScript Ajax
    - JQuery Ajax

Methodology:
- PowerPoint mini lectures
- working on computers (each participant works on a separate computer)
- mini training videos

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Organizational information:
Number of training hours: 6
Time of training 9:15-16:15
Place of training: Łódź, Piotrkowska 125 – KM Studio - trainings

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