Lesson14

Javascript Basics

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Objects
Properties

- An object is a collection of properties (key:value pairs) and property can be function in which case is known as a method. In addition to objects predefined in the browser, you can define your own objects.

- There are a few ways how to create an object, and the easiest is to use so called "Object literal"

- A property of an object can be explained as a variable that is attached to the object. The properties of an object define the characteristics of the object

- Object properties are accessed using dot notation

Objects
Methods

- A method is a function associated with an object. In simple words - a method is a property of an object that is a function. Methods are defined the way normal functions are defined, except that they have to be assigned as the property of an object.

- To access object property inside object method you have to use this keyword this.myProperty

- This is equal to the object the code is inside, its very useful when we dynamically generate objects.

Loops and iterations
for and while loops

- Loops offer a quick and easy way to do something repeatedly.

- For loop

- While loop

- Continue statement

- Break statement

Scope

- In simple words scope defines where variables and expressions are "visible" or can be referenced.

- If a variable or other expression is not "in current scope" - than its unavailable for use.

- Global scope - In client-side JavaScript, the global scope is generally the web page inside which all the code is being executed.

- Local scope - Local scope is a characteristic of variables that makes them local (i.e., the variable name is only bound to its value within a scope which is not the global scope).