

Front End Development

Tom Owens



Complex Data Types (Objects) and Object Iteration

SESSION TYPE : LESSON

WBD4300

Complex Data Types (Objects)

- Object Iteration
- An Introduction to Objects

How to Build Grid Systems

Self Directed:
Practice Object Iteration

Complex Data Types: Objects

An Introduction to Objects

Object-oriented programming is a programming paradigm based on the concept of "objects", which may contain data, in the form of fields, often known as attributes; and code, in the form of procedures, often known as methods.

Object Iteration

In JavaScript an iterator is an object that provides a `next()` method which returns the next item in the sequence.

Complex Data Types: Objects

- In JavaScript almost everything is an **Object**
- Multiple ways to create an Object
 - Object Constructor `var obj = new Object()`
 - Object Literal `var obj = {}`
 - Inbuilt Method `var obj = Object.create()`
 - Constructor function `var obj = new Person()`

How to Build Grid Systems

How to Build Grid Systems (Overview)

The image displays a grid of three t-shirt products on the left and their corresponding HTML code in the browser's developer tools on the right. The grid consists of three items:

- 403 navy**: 23 x bekeken. A dark navy t-shirt with orange trim and a graphic.
- 202 mint groen**: 11 x bekeken. A light mint green polo shirt.
- 405 grey - stripe bright oranje**: 11 x bekeken. A grey t-shirt with orange and yellow stripes and the text "BOYS IN Control".

The developer tools on the right show the HTML structure. A yellow callout box highlights a specific image element with the following details:

- Class: `img-responsive full-width 2`
- Dimensions: `230 x 154 pixels (Natural: 400 x 267 pixels)`

```

```

How to Build Grid Systems

Here are the steps in summary:

Choose a spec to create your grid with.

Set box-sizing to border-box.

Create a grid container.

Calculate column-width.

Determine gutter positions.

Create a debug grid.

Make layout variations.

Make your layouts responsive.

Essentially we are talking
about div containers
arranged in a grid structure

<https://zellwk.com/blog/responsive-grid-system/>



Self Directed

Practice Object Iteration

Code Pen Project. I will send you some links from this Javascript and CSS3 resource, you can find your own on this website. Please combine 3-4 of these scripts into a single website. Using multiple pages will prevent data type naming conflicts.

Not all script are JS, take your pick.

Self Directed: CodePen.io

Google is watching you...

<https://codepen.io/moklick/pen/Jlawj>

More Fun with Lines

<https://codepen.io/davedehaan/pen/idAok>

ScrollMagic Panelling

<https://codepen.io/adg29/pen/bjJvE>

Shattering Popup

<https://codepen.io/synny/pen/kEzfv>