

UNIT 4 REVIEW GUIDE

KEY TERMS & DEFINITIONS

Object

A collection of properties (values associated with a reference called a key). If a value is removed, it is then represented with null.

```
var car = {  
}
```

Associative Array

Another word for objects.

Property

A characteristic associated with an object that tells us about that object.

color: red,

Method

A function that represents an action, which can then be performed on an object.

```
stop(): function() {
```

Object-Oriented Programming (OOP)

Models ("objects") are given functionality ("methods") that allow them to perform various actions related to their properties. Each object can also hold information.

Dot Notation

A way to access values and update the properties for an object. To do so, you use the object name, followed by a period (dot), followed by the name of the property you want to access.

```
superman.firstName; => 'Clark'
```

Square Bracket Syntax

A way to access values and update the properties for an object. To do so, you use the name of the object, followed by the property name wrapped in single quotes and square brackets.

```
superman['firstName'] => 'Clark'
```

Constructor Notation

A method for creating an object that utilizes a constructor.

Constructor

A function used to create an object template.

Here is an example:

```
Var Person = function () {};
```

JSON (JavaScript Object Notation)

(Pronounced "Jason"). A lightweight, text-based data format that's based on JavaScript and an ideal data-interchange language. Because it's text — and looks like JavaScript — JSON is easy for programs to parse and generate. JSON is lightweight because it is very compact and primarily contains data without a lot of extra information or grammar.

```
{  
"name": "Sasha Li",  
"occupation": "Web Developer",  
"location": "San Francisco",  
"age": 43  
}
```

GUIDING QUESTIONS

1. What is an object?
2. What is a property?
3. What is a method?
4. What is JSON used for?
5. What does *this* do?

COMMAND LIST

Command	Description
this	Is used in place of the object name to refer to the current object instance
delete object.property	Removes a property from an object