

Welcome! Important Details on Your Scholarship

Lesson 1

- Scholarship Overview
- Accessing the Discussion Forums
- Slack

HTML Syntax

Lesson 2

- Lesson Introduction
- HTML Structure Part 1
- **Quiz: Make Your First Element**
- Environments
- Text Editors
- Browsers
- Workflow
- Trees
- Quiz: Spot the Bug
- Quiz: HTML Research
- HTML Structure Part 2
- HTML Documents in Depth
- Lesson Wrap Up

HTML Syntax Problem Set

Lesson 3

- Welcome to the Problem Set!
- Make a Button
- Make a Button Solution
- Udacity Front End Feedback Extension
- **Quiz: Make All the Headers**
- **Quiz: Make a List**
- **Quiz: Tree to HTML**
- Constructing Links
- Quiz: Add an Image
- A Guide to Paths
- **Quiz: Figures**
- **Mockup to Website**

Project: Mockup to Article

Lesson 4

- Mockup to Article Overview
- **Mockup to Article**

CSS Syntax

Lesson 5

- Getting Started with CSS
- What is CSS?
- Quiz: CSS or HTML?

- CSS Rulesets
- **Quiz: CSS Syntax**
- Comments
- Quiz: Tag Selectors
- Attributes and Selectors
- Quiz: Using Selectors
- Quiz: Using CSS References
- Developer Tools
- Developer Tools on Different Browsers
- Quiz: Using Developer Tools
- CSS Units
- **Quiz: Units in CSS**
- CSS Colors
- Quiz: Identifying Colors
- Outro

CSS Syntax Problem Set

Lesson 6

- Welcome to the Problem Set!
- **Quiz: Style an Image**
- **Quiz: Style the Font**
- IMPORTANT! Udacity Front End Feedback Extension
- **Quiz: Writing Selectors**
- **Quiz: Using Attributes**
- Quiz: Slack Card
- Quiz: Udacity Site Header
- What is a Stylesheet?
- **Quiz: Link to a Stylesheet**

How to Write Code Faster

Lesson 7

- Writing Code Faster
- Sublime Text and Atom Keyboard Shortcuts
- Quiz: Practice Keyboard Shortcuts
- Quiz: Keyboard Shortcuts
- Extending Sublime Text and Atom
- Installing Packages and Themes
- Recommended Packages
- Recommended Themes
- Quiz: What's Your Favorite Theme?
- Coder, Better, Tooler, Hacker

Project: Animal Trading Cards

Lesson 8

- Animal Trading Cards Overview

- [Animal Trading Cards](#)

Next Up—JavaScript

Lesson 9

- Onward

What is JavaScript?

Lesson 10

- Intro to JavaScript
- History of JavaScript
- The JavaScript Console
- Developer Tools on Different Browsers
- console.log
- JavaScript Demo
- Lesson 1 Summary

Data Types & Variables

Lesson 11

- Intro to Data Types
- Numbers
- Comments
- [Quiz: First Expression \(2-1\)](#)
- Strings
- String Concatenation
- Variables
- [Quiz: Converting Temperatures \(2-2\)](#)
- String Index
- Escaping Strings
- Comparing Strings
- [Quiz: Favorite Food \(2-3\)](#)
- [Quiz: String Equality for All \(2-4\)](#)
- [Quiz: All Tied Up \(2-5\)](#)
- [Quiz: Yosa Buson \(2-6\)](#)
- Booleans
- [Quiz: Facebook Post \(2-7\)](#)
- Null, Undefined, and NaN
- Equality
- [Quiz: Semicolons! \(2-8\)](#)
- [Quiz: What's my Name? \(2-9\)](#)
- [Quiz: Out to Dinner \(2-10\)](#)
- [Quiz: Mad Libs \(2-11\)](#)
- [Quiz: One Awesome Message \(2-12\)](#)
- Lesson 2 Summary

Conditionals

Lesson 12

- Welcome to the Problem Set!
- Intro to Conditionals

- Quiz: Flowcharts (3-1)
- Flowchart to Code
- If...Else Statements
- Else If Statements
- Quiz: Even or Odd (3-2)
- Quiz: Musical Groups (3-3)
- Quiz: Murder Mystery (3-4)
- More Complex Problems
- Logical Operators
- Logical AND and OR
- Quiz: Checking your Balance (3-5)
- Quiz: Ice Cream (3-6)
- Quiz: What do I Wear? (3-7)
- Advanced Conditionals
- Truthy and Falsy
- Ternary Operator
- Quiz: Navigating the Food Chain (3-8)
- Switch Statement
- Falling-through
- Quiz: Back to School (3-9)
- Lesson 3 Summary

Loops

Lesson 13

- Intro to Loops
- While Loops
- Parts of a While Loop
- Quiz: JuliaJames (4-1)
- Quiz: 99 Bottles of Juice (4-2)
- Quiz: Countdown, Liftoff! (4-3)
- For Loops
- Parts of a For Loop
- Nested Loops
- Increment and Decrement
- Quiz: Changing the Loop (4-4)
- Quiz: Fix the Error 1 (4-5)
- Quiz: Fix the Error 2 (4-6)
- Quiz: Factorials! (4-7)
- Quiz: Find my Seat (4-8)
- Lesson 4 Summary

Functions

Lesson 14

- Intro to Functions
- Function Example
- Declaring Functions

- Function Recap
- Quiz: Laugh it Off 1 (5-1)
- Quiz: Laugh it Off 2 (5-2)
- Return Values
- Using Return Values
- Scope
- Scope Example
- Shadowing
- Global Variables
- Scope Recap
- Hoisting
- Hoisting Recap
- Quiz: Build a Triangle (5-3)
- Function Expressions
- Patterns with Function Expressions
- Function Expression Recap
- Quiz: Laugh (5-4)
- Quiz: Cry (5-5)
- Quiz: Inline (5-6)
- Lesson 5 Summary

Arrays

Lesson 15

- Intro to Arrays
- Donuts to Code
- Creating an Array
- Accessing Array Elements
- Array Index
- Quiz: UdaciFamily (6-1)
- Quiz: Building the Crew (6-2)
- Quiz: The Price is Right (6-3)
- Array Properties and Methods
- Length
- Push
- Pop
- Splice
- Quiz: Colors of the Rainbow (6-4)
- Quiz: Quidditch Cup (6-5)
- Quiz: Joining the Crew (6-6)
- Quiz: Quiz: Checking out the Docs (6-7)
- Array Loops
- The forEach Loop
- Quiz: Another Type of Loop (6-8)
- Map
- Quiz: I Got Bills (6-9)
- Arrays in Arrays

- 2D Donut Arrays
- **Quiz: Nested Numbers (6-10)**
- Lesson 6 Summary

Objects

Lesson 16

- Intro to Objects
- Objects in Code
- **Quiz: Umbrella (7-1)**
- Objects
- Object Literals
- Naming Conventions
- Summary of Objects
- **Quiz: Menu Items (7-2)**
- **Quiz: Bank Accounts 1 (7-3)**
- Quiz: Bank Accounts 2 (7-4)
- **Quiz: Facebook Friends (7-5)**
- **Quiz: Donuts Revisited (7-6)**
- Lesson 7 Summary

Next Up—jQuery

Lesson 17

- Onward

The Basics: the DOM, \$, and Selectors

Lesson 18

- Course Introduction
- Why Does jQuery Exist?
- Quiz: What is jQuery actually
- Money, Money, Money (the \$)
- How to Use the \$
- Quiz: DOM Inspiration
- How Is jQuery Included in a Page?
- **Quiz: Select by Tags**
- **Quiz: Select by Classes Quiz**
- **Quiz: Select by IDs**
- Family Tree Revisited
- **Quiz: Filters Quiz**
- High Five!

The Tricks: DOM Manipulation

Lesson 19

- jQuery Documentation and You
- **Quiz: you.toggleClass() Quiz**
- **Quiz: Toggling Classes Quiz**
- **Quiz: Changing Attributes Quiz**
- **Quiz: Modifying CSS Quiz**
- Pulling HTML and Text

- Quiz: Collecting Values Quiz
- Quiz: Removing DOM Elements
- Adding DOM Elements
- Appending Child Elements
- Quiz: Build a DOM (Family) Tree!
- Quiz: Iterating with Each Quiz
- Quiz: Why use jQuery? Quiz
- Outro
- \$(function)

Event Listeners with jQuery

Lesson 20

- Intro to Event Listening with jQuery
- What are Browser Events?
- Quiz: monitorEvents Quiz
- Anatomy of a jQuery Event Listener
- Quiz: jQuery Event Listener Order Quiz
- Quiz: jQuery Event Listener
- The Event Object
- The Convenience Method
- Quiz: Convenience Methods Quiz
- jQuery's multifunctional .on method
- Event Delegation
- Outro

Project: Pixel Art Maker

Lesson 21

- Project Overview
- Instructions

Challenge Course Wrap Up

Lesson 22

- Welcome to the Problem Set!