Schedule

A week-by-week breakdown of the material.

Week 1 (01/05-01/09)

- Day 1

  - History of Javascript[1]
  - Components of a Web Page[2]
  - How to run Javascript[3]
  - Numbers in Javascript[4]
  - Assignment 1[5]

- Day 2

  - Local and Global Variables[6]
  - Basics of Arrays[7]
  - Assignment 2[8]

- Day 3

  - Basics of Objects[9]
  - Strings and Regular Expressions[10]

- Day 4

  - Function basics[11]
  - Assignment 3[12]
  - Basics of Version Control[13]
  - Git basics[14]
  - Review of Git commands[15]

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[1] notes/history.html
[2] notes/page_components.html
[3] notes/how_to_run.html
[4] notes/numbers.html
[5] assignments/1.html
[6] notes/local_vs_global.html
[7] notes/array_basics.html
[8] assignments/2.html
[9] notes/object_basics.html
[10] notes/strings_and_re.html
[11] notes/functions_basic.html
[12] assignments/3.html
[13] notes/git_version_control.html
[14] notes/git_basics.html
[15] notes/git_commands_review.html

Week 2 (01/12-01/16)

- Day 1
    - GitHub basics[16]
    - Remotes and Branches[17]
    - GitHub Workflow[18]
    - Overall Project Workflow[19]
    - Lab 1: Getting used to the basics[20]

- Day 2
    - Functions as values[21]
    - Functions as closures[22]
    - Assignment 4[23]

- Day 3
    - Functions as a means for creating a scope/context[24]

- Day 4
    - Array Collection methods[25]
    - Function Usage Patterns[26]
    - Assignment 5[27]

Week 3 (01/19-01/23)

- Day 1
    - Lab 2: Writing Tests[28]

- Day 2
    - Methods in objects and the need for this[29]
    - Function call forms and the value of this[30]

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[16]notes/github_basics.html
[17]notes/git_remotes_branches.html
[18]notes/github_workflow.html
[19]notes/project_workflow.html
[20]labs/1.html
[21]notes/function_values.html
[22]notes/function_closures.html
[23]assignments/4.html
[24]notes/functions_for_scope.html
[25]notes/array_collection_methods.html
[26]notes/function_usage_patterns.html
[27]assignments/5.html
[28]labs/2.html
[29]notes/object_methods.html
[30]notes/function_calls_and_this.html

- Day 3
  - Object creation and prototypes[31]
  - Different stack implementations[32]
  - Assignment 6[33]
- Day 4
  - "Class" construction examples[34]
  - Object properties[35]

Week 4 (01/26-01/30)

- Day 1
  - Lab 3: Linting, Tasks[36]
- Day 2
  - Survey of HTML[37]
- Day 3
  - Survey of CSS[38]
- Day 4
  - Introduction to the DOM (Document Object Model)[39]
  - Introduction to jQuery[40]
  - Assignment 7[41]

Week 5 (02/02-02/06)

- Day 1
  - Introduction to DOM Events[42]
  - Lab 4: Controllers, jQuery[43]
- Day 2

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[31]notes/object_creation_prototypes.html
[32]notes/stack_various.html
[33]assignments/6.html
[34]notes/class_construction.html
[35]notes/object_properties.html
[36]labs/3.html
[37]notes/html_survey.html
[38]notes/css_survey.html
[39]notes/dom_intro.html
[40]notes/jquery_intro.html
[41]assignments/7.html
[42]notes/events_intro.html
[43]labs/4.html

- – Timers[44]
- Day 3
  - – Intro to Patterns: Iterator[45]
- Day 4
  - – Intro to Patterns: Iterator (cont)[46]

Week 6 (02/09-02/13)

- Day 1
  - – Lab 5: Collections[47]
- Day 2
  - – Design Patterns[48]
  - – Patterns of code reuse[49]
- Day 3
  - – Pattern: Observer[50]
  - – Pattern: Command[51]
- Day 4
  - – Pattern: Proxy[52]

Week 7 (02/16-02/20)

- Day 1
- Day 2
- Day 3
- Day 4
  - – EVERYTHING BELOW IS WORK IN PROGRESS
  - – Assignment 8[53]
  - – Assignment 9[54]

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[44]notes/events_timers.html
[45]notes/patterns_iterator.html
[46]notes/patterns_iterator.html
[47]labs/5.html
[48]notes/design_patterns.html
[49]notes/code_reuse.html
[50]notes/patterns_observer.html
[51]notes/patterns_command.html
[52]notes/patterns_proxy.html
[53]assignments/8.html
[54]assignments/9.html

- – Assignment 10[55]
- – A custom Event module[56]
- – Creation Patterns: Constructor[57]
- – Creation Patterns: Singleton[58]
- – Creation Patterns: Mixins[59]
- – Data Structures in Javascript[60]
- – Behavioral Patterns: Mediator[61]
- – Assignment 11[62]
- – Architectural Patterns: Model-View-Controller[63]
- – Implementing a basic MVC[64]
- – Introduction to Backbone[65]
- – Assignment 12[66]
- – Lab 6: Incorporating MVC in TODOapp[67]
- – Introduction to XMLHttpRequest[68]
- – Ajax via jQuery[69]
- – Lab 7: Introducing data persistence in TODOapp[70]

Week 8 (02/23-02/27)

BREAK

Week 9 (03/02-03/06)

- • Day 1
    - – Testing with Stubs, Mocks and Spies[71]
- • Day 2
    - – Module Patterns: Node modules[72]

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[55]assignments/10.html
[56]notes/event_custom.html
[57]notes/pattern_constructor.html
[58]notes/pattern_singleton.html
[59]notes/pattern_mixin.html
[60]notes/data_structures.html
[61]notes/pattern_mediator.html
[62]assignments/11.html
[63]notes/pattern_mvc.html
[64]notes/mvc_implement.html
[65]notes/backbone.html
[66]assignments/12.html
[67]labs/6.html
[68]notes/xhr_intro.html
[69]notes/xhr_jquery.html
[70]labs/7.html
[71]notes/test_stubs.html
[72]notes/pattern_module.html

- Day 3
  - Module Patterns: AMD modules[73]
- Day 4
  - Project proposals

Week 10 (03/09-03/13)

- Day 1
  - Project structure[74]

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Day 2

- Day 3
- Day 4
  - Lab 8:[75]

Week 11 (03/16-03/20)

- Day 1
  - Using Templates: Handlebars[76]
- Day 2
  - Deeper look into Javascript objects[77]
- Day 3
  - Structural Patterns: Facade[78]
  - Structural Patterns: Proxy[79]
- Day 4
  - Work on project

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[73]notes/pattern_amd.html
[74]notes/project.html
[75]labs/8.html
[76]notes/templates.html
[77]notes/object_deeper.html
[78]notes/pattern_facade.html
[79]notes/pattern_proxy.html

Week 12 (03/23-03/27)

- Day 1
    - Introduction to Promises[80]
- Day 2
    - More advanced testing
- Day 3
    - More advanced testing
- Day 4
    - First project submission

Week 13 (03/30-04/03)

- Day 1
- Day 2
- Day 3
- Day 4

Week 14 (04/06-04/10)

- Day 1
- Day 2
- Day 3
- Day 4

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[80]notes/promises.html