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]
    - Local and Global Variables[5]
    - Basics of Arrays[6]

- Day 2
    - Basics of Objects: Dictionaries[7]
    - Equality in Javascript[8]
    - Strings and Regular Expressions[9]
    - Function basics[10]
    - Lab 0[11]
    - Quiz 1[12]

Week 2 (01/12-01/16)

- Day 1
    - Functions as values[13]
    - Functions as closures[14]

- Day 2
    - Functions as a means for creating a scope/context[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] notes/local_vs_global.html
[6] notes/array_basics.html
[7] notes/object_basics.html
[8] notes/equality.html
[9] notes/strings_and_re.html
[10] notes/functions_basic.html
[11] labs/0.html
[12] https://moodle.hanover.edu/mod/quiz/view.php?id=32970
[13] notes/function_values.html
[14] notes/function_closures.html
[15] notes/functions_for_scope.html

- Array Collection methods[16]
- Function Usage Patterns[17]

Week 3 (01/19-01/23)

- Day 1

  - Assignment 3[18]
  - Basics of Version Control[19]
  - Git basics[20]
  - Review of Git commands[21]
  - GitHub basics[22]
  - Remotes and Branches[23]
  - GitHub Workflow[24]
  - Overall Project Workflow[25]
  - Lab 1: Getting used to the basics[26]
  - Assignment 4[27]
  - Assignment 5[28]
  - Lab 2: Writing Tests[29]
  - Methods in objects and the need for this[30]
  - Function call forms and the value of this[31]

- Day 2

  - Object creation and prototypes[32]
  - Different stack implementations[33]
  - Assignment 6[34]
  - "Class" construction examples[35]
  - Object properties[36]

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[16]notes/array_collection_methods.html
[17]notes/function_usage_patterns.html
[18]assignments/3.html
[19]notes/git_version_control.html
[20]notes/git_basics.html
[21]notes/git_commands_review.html
[22]notes/github_basics.html
[23]notes/git_remotes_branches.html
[24]notes/github_workflow.html
[25]notes/project_workflow.html
[26]labs/1.html
[27]assignments/4.html
[28]assignments/5.html
[29]labs/2.html
[30]notes/object_methods.html
[31]notes/function_calls_and_this.html
[32]notes/object_creation_prototypes.html
[33]notes/stack_various.html
[34]assignments/6.html
[35]notes/class_construction.html
[36]notes/object_properties.html

Week 4 (01/26-01/30)

- Day 1

  - Lab 3: Linting, Tasks[37]
  - Survey of HTML[38]

- Day 2

  - Survey of CSS[39]
  - Introduction to the DOM (Document Object Model)[40]
  - Introduction to jQuery[41]
  - Assignment 7[42]

Week 5 (02/02-02/06)

- Day 1

  - Introduction to DOM Events[43]
  - Lab 4: Controllers, jQuery[44]
  - Timers[45]

- Day 2

  - Intro to Patterns: Iterator[46]
  - Intro to Patterns: Iterator (cont)[47]

Week 6 (02/09-02/13)

- Day 1

  - Lab 5: Collections[48]
  - Design Patterns[49]
  - Patterns of code reuse[50]

- Day 2

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[37]labs/3.html
[38]notes/html_survey.html
[39]notes/css_survey.html
[40]notes/dom_intro.html
[41]notes/jquery_intro.html
[42]assignments/7.html
[43]notes/events_intro.html
[44]labs/4.html
[45]notes/events_timers.html
[46]notes/patterns_iterator.html
[47]notes/patterns_iterator.html
[48]labs/5.html
[49]notes/design_patterns.html
[50]notes/code_reuse.html

- – Pattern: Observer[51]
- – Pattern: Command[52]
- – Pattern: Proxy[53]

Week 7 (02/16-02/20)

- Day 1
  - – Pattern: Visitor[54]
- Day 2
  - – Pattern: Visitor (cont)[55]

Week 8 (02/23-02/27)

BREAK

Week 9 (03/02-03/06)

- Day 1
  - – Module Patterns: Node/CommonJS modules[56]
  - – Using require.js[57]
- Day 2
  - – UMD modules[58]
  - – Lab 6: Double-Linked Lists, History[59]

Week 10 (03/09-03/13)

- Day 1
  - – Project proposals
  - – Pattern: Composite[60]
  - – Patterns: Adapter and Facade[61]

[51] notes/patterns_observer.html
[52] notes/patterns_command.html
[53] notes/patterns_proxy.html
[54] notes/patterns_visitor.html
[55] notes/patterns_visitor.html
[56] notes/pattern_modules.html
[57] notes/requirejs.html
[58] notes/umd.html
[59] labs/6.html
[60] notes/patterns_composite.html
[61] notes/patterns_adapter_facade.html

– MVC: Model-View-Controller[62]
- Day 2

    – Lab / Projects
    – Using Templates: Handlebars[63]

Week 11 (03/16-03/20)

- Day 1

    – Project progress[64]
    – Project progress[65]

- Day 2

    – Project progress[66]
    – Projects review

Week 12 (03/23-03/27)

- Day 1

    – Example of Designing a Model[67]
    – Basics of HTTP[68]

- Day 2

    – Introduction to XMLHttpRequest[69]
    – Projects progress

Week 13 (03/30-04/03)

- Day 1

    – Projects progress

- Day 2

    – Projects progress

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[62]notes/pattern_mvc.html
[63]notes/templates.html
[64]notes/project_steps.html
[65]notes/project_steps.html
[66]notes/project_steps.html
[67]notes/design_example.html
[68]notes/http_intro.html
[69]notes/xhr_intro.html

Week 14 (04/06-04/10)

- Day 1
    - Projects progress
- Day 2
    - What we left out[70]

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[70][notes/left_out.html](notes/left_out.html)