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]
  - Quiz 2[18]
  - Lab 1[19]

Week 3 (01/19-01/23)

- Day 1

  - Overview of Software Development Practices[20]
  - Basics of Version Control[21]
  - Git basics[22]
  - Review of Git commands[23]
  - GitHub basics[24]

- Day 2

  - Remotes and Branches[25]
  - GitHub Workflow[26]
  - Overall Project Workflow[27]
  - Methods in objects and the need for this[28]
  - Function call forms and the value of this[29]

Week 4 (01/26-01/30)

- Day 1

  - Lab 2: Writing Tests[30]
  - Object creation and prototypes[31]
  - Different stack implementations[32]
  - Assignment 6[33]

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[16]notes/array_collection_methods.html
[17]notes/function_usage_patterns.html
[18]https://moodle.hanover.edu/mod/quiz/view.php?id=33676
[19]labs/1.html
[20]notes/dev_overview.html
[21]notes/git_version_control.html
[22]notes/git_basics.html
[23]notes/git_commands_review.html
[24]notes/github_basics.html
[25]notes/git_remotes_branches.html
[26]notes/github_workflow.html
[27]notes/project_workflow.html
[28]notes/object_methods.html
[29]notes/function_calls_and_this.html
[30]labs/2.html
[31]notes/object_creation_prototypes.html
[32]notes/stack_various.html
[33]assignments/6.html

- – "Class" construction examples[34]
- – Object properties[35]
- – Lab 3: Linting, Tasks[36]
- – Survey of HTML[37]

- Day 2

  - – Survey of CSS[38]
  - – 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]
  - – Timers[44]

- Day 2

  - – Intro to Patterns: Iterator[45]
  - – Intro to Patterns: Iterator (cont)[46]

Week 6 (02/09-02/13)

- Day 1

  - – Lab 5: Collections[47]
  - – Design Patterns[48]
  - – Patterns of code reuse[49]

- Day 2

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[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
[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

- – Pattern: Observer[50]
- – Pattern: Command[51]
- – Pattern: Proxy[52]

Week 7 (02/16-02/20)

- Day 1
  - – Pattern: Visitor[53]
- Day 2
  - – Pattern: Visitor (cont)[54]

Week 8 (02/23-02/27)

BREAK

Week 9 (03/02-03/06)

- Day 1
  - – Module Patterns: Node/CommonJS modules[55]
  - – Using require.js[56]
- Day 2
  - – UMD modules[57]
  - – Lab 6: Double-Linked Lists, History[58]

Week 10 (03/09-03/13)

- Day 1
  - – Project proposals
  - – Pattern: Composite[59]
  - – Patterns: Adapter and Facade[60]

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

- – MVC: Model-View-Controller[61]
- Day 2
  - – Lab / Projects
  - – Using Templates: Handlebars[62]

Week 11 (03/16-03/20)

- Day 1
  - – Project progress[63]
  - – Project progress[64]
- Day 2
  - – Project progress[65]
  - – Projects review

Week 12 (03/23-03/27)

- Day 1
  - – Example of Designing a Model[66]
  - – Basics of HTTP[67]
- Day 2
  - – Introduction to XMLHttpRequest[68]
  - – Projects progress

Week 13 (03/30-04/03)

- Day 1
  - – Projects progress
- Day 2
  - – Projects progress

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

Week 14 (04/06-04/10)

- Day 1
  - Projects progress
- Day 2
  - What we left out[69]

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[69]notes/left_out.html