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

   - The DRY principle[30]
   - Object creation and prototypes[31]

- Day 2

   - Different stack implementations[32]

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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] notes/dry.html
[31] notes/object_creation_prototypes.html
[32] notes/stack_various.html

- – "Class" construction examples[33]
- – Setting up a second remote[34]
- – Testing Basics[35]

Week 5 (02/02-02/06)

- Day 1
    - – Survey of HTML[36]
    - – Survey of CSS[37]
    - – A sample page[38]

- Day 2
    - – Introduction to the DOM (Document Object Model)[39]
    - – Introduction to jQuery[40]

Week 6 (02/09-02/13)

- Day 1
    - – Object properties[41]
    - – Introduction to DOM Events[42]
    - – Timers[43]

- Day 2
    - – TaskApp: Building a Web App[44]

Week 7 (02/16-02/20)

- Day 1
    - – TaskApp: Building a Web App[45]

- Day 2
    - – TaskApp: Building a Web App[46]

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[33]notes/class_construction.html
[34]notes/second_remote.html
[35]notes/testing_basics.html
[36]notes/html_survey.html
[37]notes/css_survey.html
[38]notes/sample_page.html
[39]notes/dom_intro.html
[40]notes/jquery_intro.html
[41]notes/object_properties.html
[42]notes/events_intro.html
[43]notes/events_timers.html
[44]notes/taskapp_setup.html
[45]notes/taskapp_setup.html
[46]notes/taskapp_setup.html

Week 8 (02/23-02/27)

BREAK

Week 9 (03/02-03/06)

- Day 1
    - Assignment of Projects[47]

    Using Templates: Handlebars[48]
- Day 2
    - Work on Projects

Week 10 (03/09-03/13)

- Day 1
    - TBA

- Day 2
    - TBA

Week 11 (03/16-03/20)

- Day 1
    - Intro to Patterns: Iterator[49]
    - Lab 5: Collections[50]
    - Design Patterns[51]
    - Patterns of code reuse[52]
    - Pattern: Observer[53]
    - Pattern: Command[54]
    - Pattern: Proxy[55]
    - Pattern: Visitor[56]
    - Pattern: Visitor (cont)[57]

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[47] notes/project_descriptions.html
[48] notes/templates.html
[49] notes/patterns_iterator.html
[50] labs/5.html
[51] notes/design_patterns.html
[52] notes/code_reuse.html
[53] notes/patterns_observer.html
[54] notes/patterns_command.html
[55] notes/patterns_proxy.html
[56] notes/patterns_visitor.html
[57] notes/patterns_visitor.html

- **–** Module Patterns: Node/CommonJS modules[58]
- **–** Using require.js[59]
- **–** UMD modules[60]
- **–** Lab 6: Double-Linked Lists, History[61]
- **–** Project proposals
- **–** Pattern: Composite[62]
- **–** Patterns: Adapter and Facade[63]
- **–** MVC: Model-View-Controller[64]
- **–** Lab / Projects
- **–** Project progress[65]
- **–** Project progress[66]

- **Day 2**

  - **–** Project progress[67]
  - **–** Projects review

Week 12 (03/23-03/27)

- **Day 1**

  - **–** Example of Designing a Model[68]
  - **–** Basics of HTTP[69]

- **Day 2**

  - **–** Introduction to XMLHttpRequest[70]
  - **–** Projects progress

Week 13 (03/30-04/03)

- **Day 1**

  - **–** Projects progress

- **Day 2**

  - **–** Projects progress

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[58]notes/pattern_modules.html
[59]notes/requirejs.html
[60]notes/umd.html
[61]labs/6.html
[62]notes/patterns_composite.html
[63]notes/patterns_adapter_facade.html
[64]notes/pattern_mvc.html
[65]notes/project_steps.html
[66]notes/project_steps.html
[67]notes/project_steps.html
[68]notes/design_example.html
[69]notes/http_intro.html
[70]notes/xhr_intro.html

Week 14 (04/06-04/10)

- Day 1
    - Projects progress
- Day 2
    - What we left out[71]

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[71]notes/left_out.html