Web Applications

CSE183

Fall 2020

Assignment 3 - JavaScript I

Baskin
Engineering
UC SANTA CRUZ

Assignment 3 - JavaScript I

- Simple JavaScript class for replacing tags in a template
  - Template: `'Hello {{tag}}'`
  - Map: `{tag: 'World'}` (a JS object - a.k.a. a 'dictionary')
  - Result: `'Hello World'`

- Need to install **Node.js** and **npm** (Node Package Manager)
  - Follow instructions in assignment specification
  - Seek help ASAP (i.e. today) if you run into installation problems

- Learning outcomes:
  - Basic familiarity with JavaScript
  - Exposure to testing frameworks
  - Experience of 'linters' (code quality checkers)

- WARNING: Don't be tempted to use a 3rd party component ☹
  - Write it yourself from first principles ☺

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Assignment 3 - JavaScript I

- Basic:
  - Implement a basic `Templater` class
  - Pass tests given to you
    - `npm run test`

- Advanced:
  - Add new tests for advanced features
  - Modify `Templater` class to pass them

- Stretch:
  - Remove all 'linter' warnings
    - `npm run lint`
  - Demonstrate 100% code coverage

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Upcoming Lectures

- Monday: JavaScript III & Document Object Model
- Wednesday: JavaScript Wrap-up
- Friday: User Interfaces

Tasks

- **Assignment 3** due 23:59 **Thursday October 22**

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