

Test Plan

https://the-internet.herokuapp.com/challenging_dom

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Test assumptions

- Target page: https://the-internet.herokuapp.com/challenging_dom
- Page has no inherent coherence (deliberate); no 'requirements' for elements per se.
 - Elements validated against their initial state and/or response to stimulus
- Random generator functions are sourced inside JavaScript or wholly unavailable (server-side).
 - Random generations will not be statistically verified for 'randomness'
 - ID generator: JavaScript
 - Canvas Answer generator: Obscured in JS or wholly server-side
- Header/Footer content untested for this exercise
- Table content is Lorem ipsum (filler)
- Non-functional or localization testing considered beyond scope of exercise

Tests [Approx 11-12 total]

1. Validate browser page load;
 - 1.1. Smoke; Assert all elements exist and confirm initial state/value. **[Approx 3-4 tests in smoke]**
 - 1.1.1. **Chrome** - all exploration on Chrome only
 - 1.1.2. **FFox** - planned expansion
 - 1.1.3. **IE-11** - planned expansion (IE will fail on buttons)
 - 1.1.4. **Edge** - planned expansion
2. Validate button (blue): 50 clicks, confirm 50 unique IDs - defined in PY
3. Validate button.alert (red): 50 clicks, confirm 50 unique IDs - defined in PY
4. Validate button.success (green): 50 clicks, confirm 50 unique IDs - defined in PY
5. Validate Main Table as Rows: Validate Index row, validate columns - defined in PY
6. Validate All edits: Get new URL, on click (link does nothing) - **incomplete**
7. Validate All deletes: Get new URL, on click (link does nothing) - **incomplete**
8. Validate Canvas: Validate all button clicks produce a new 'Answer: #####' - defined in PY

Test Setup

- Dell Latitude E7470
- CPU: i5 6300U
- RAM: 8 GB
- Windows 10 x64 [Enterprise, r1803]
- Browser:
 - Chrome: Version 78.0.3904.70 (Official Build) (64-bit)
 - Firefox: Version 70.0 (64-bit) [not implemented in test]