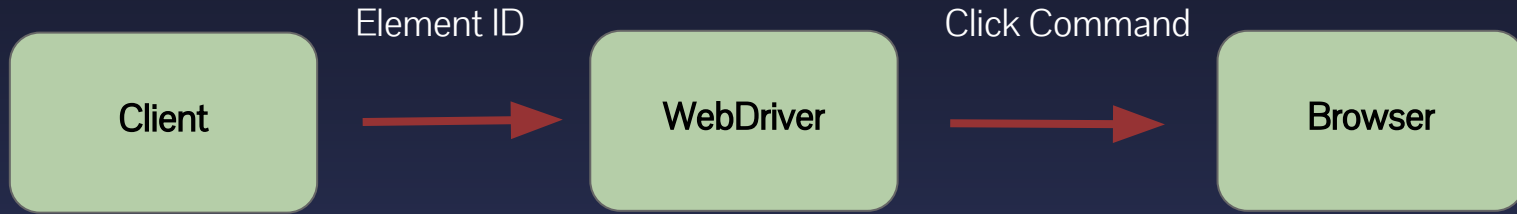
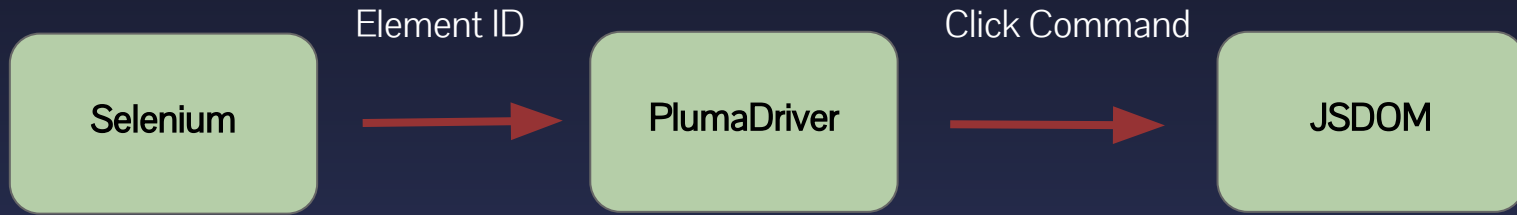


PlumaDriver: Project Update

W3C Click Specification



W3C Click Specification



Supported Elements

Dropdown

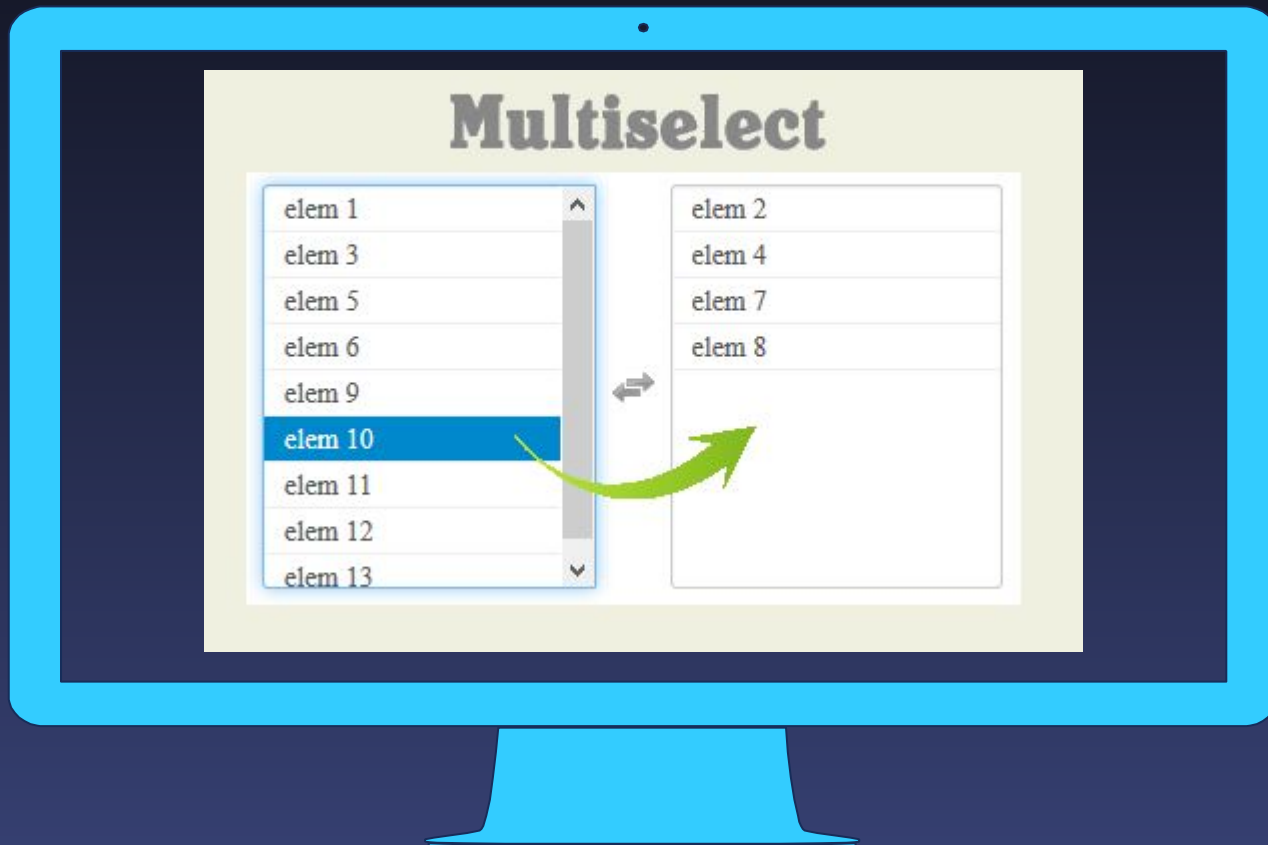
Radio

☐ Option a ☒ Option b

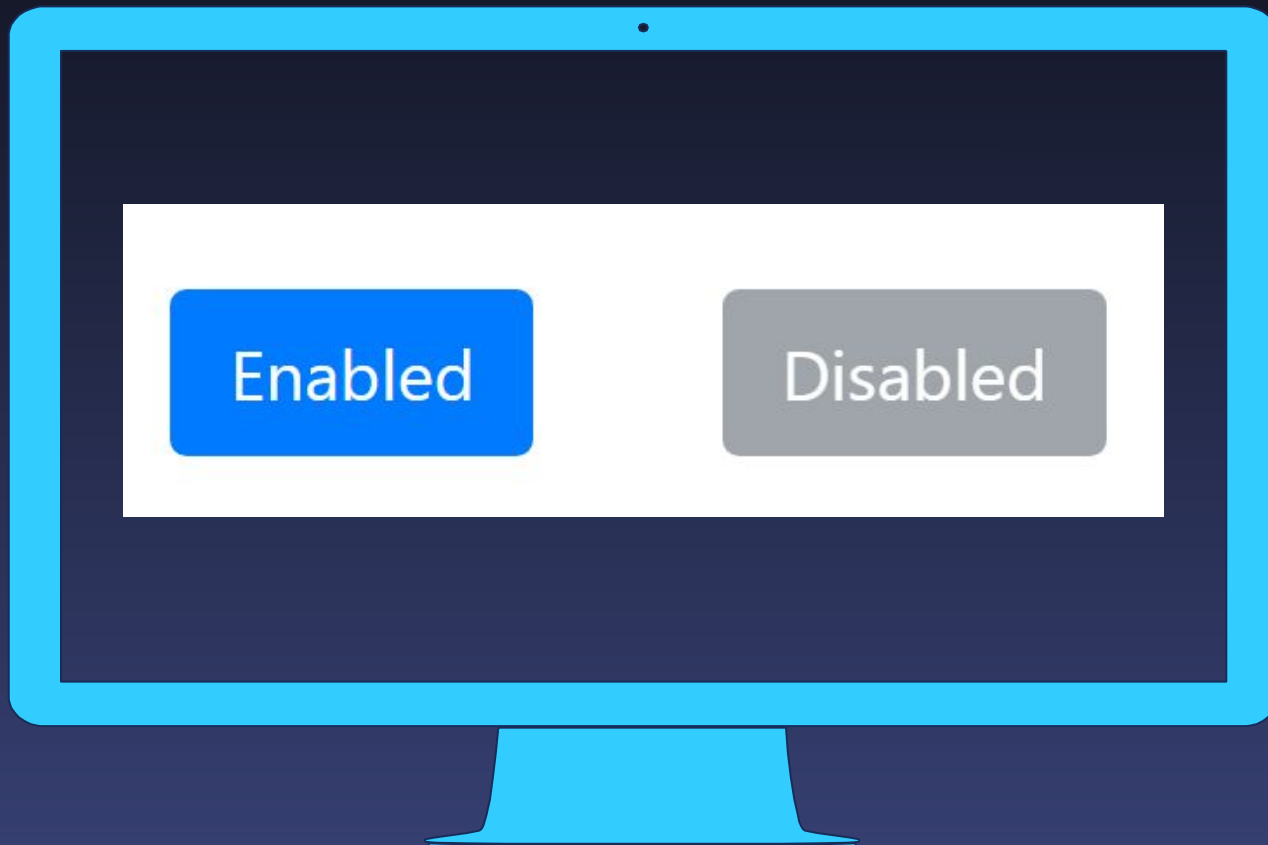
Checkbox

☒ Option a ☒ Option b ☒ Option c

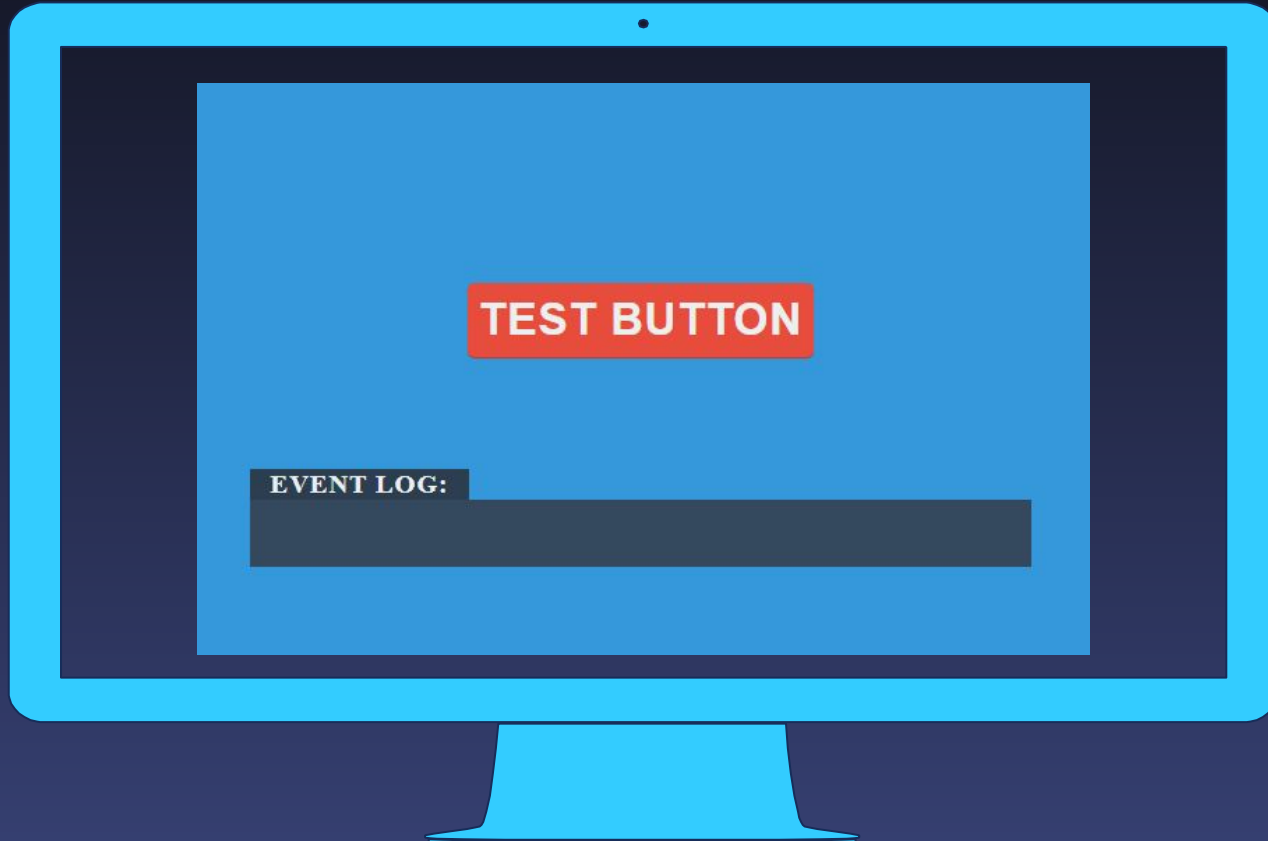
Supported Elements



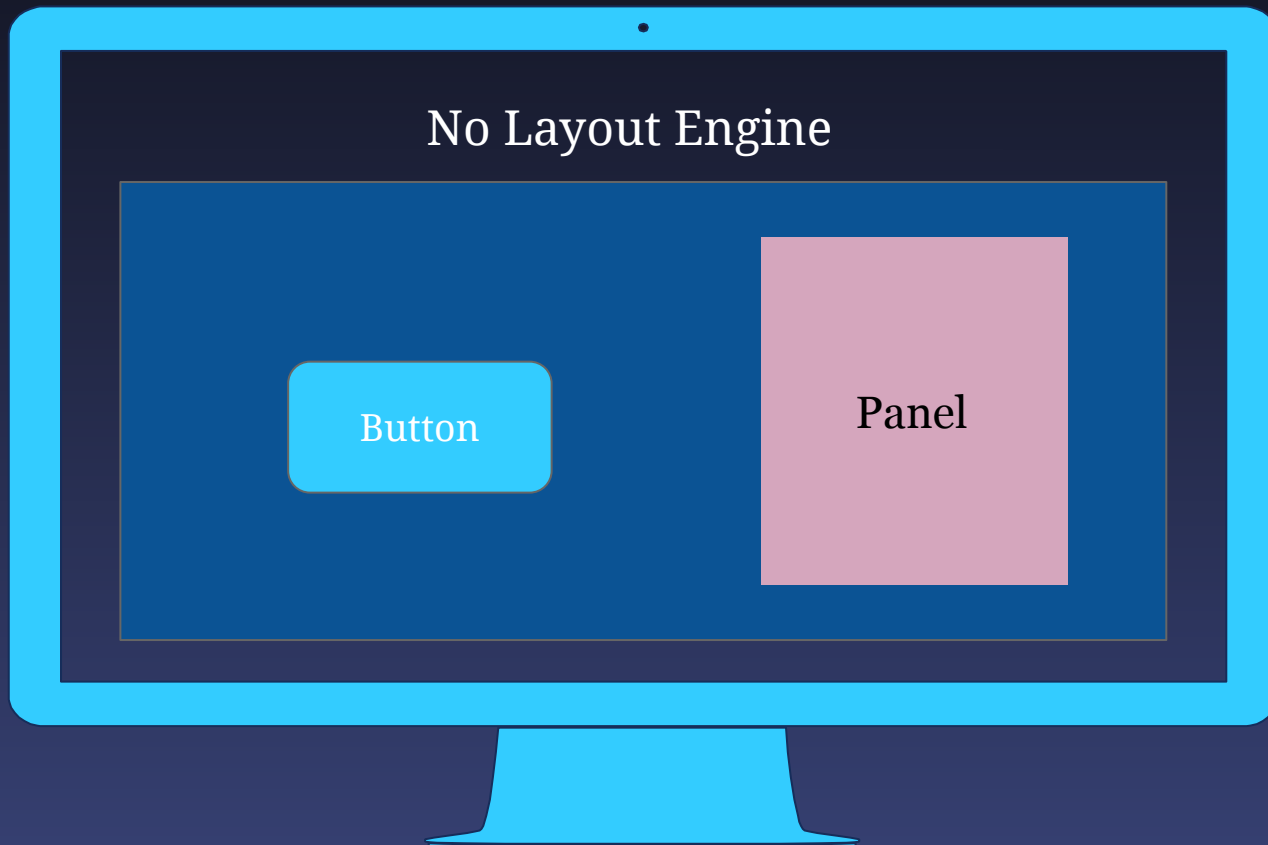
Fires Events Conditionally



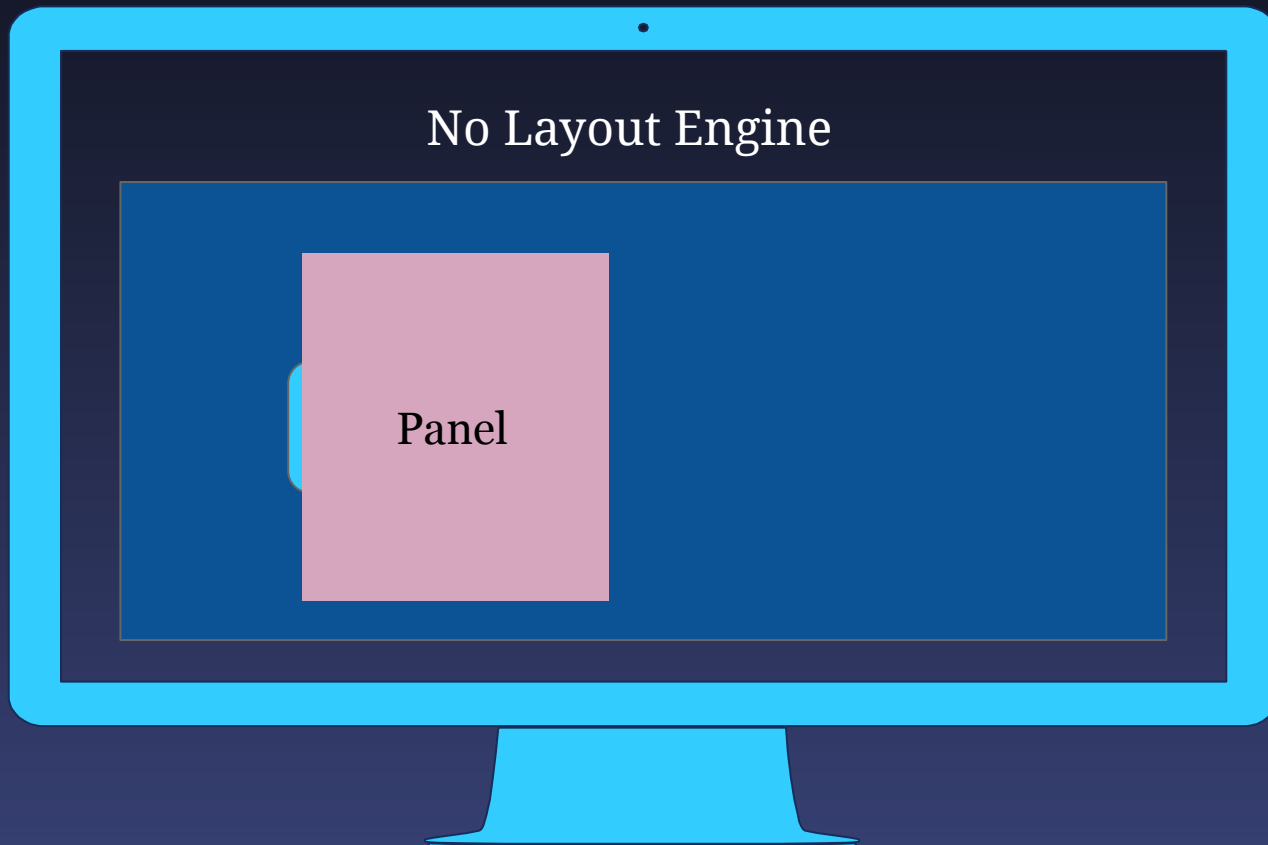
Demonstration



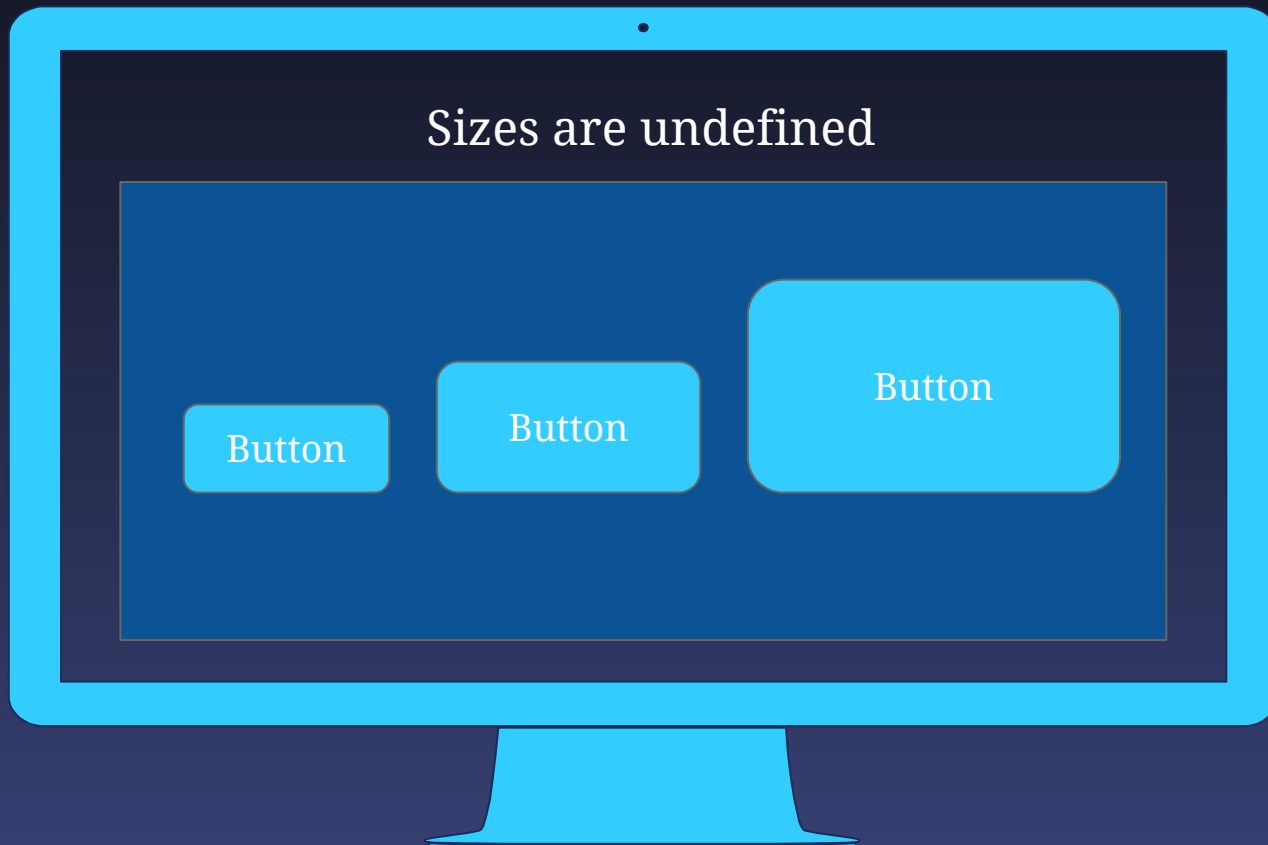
JSDOM Limitations



JSDOM Limitations



JSDOM Limitations



Project Improvements



Project Improvements

Static Typing with TypeScript

```
const foo = Math.PI;
```



```
const foo: number = Math.PI;
```

Project Improvements

Test Coverage with Jest

```
PASS test/1 unit tests/2 WebElement/WebElement.test.js
Radio Elements
  ✓ selects radio buttons (72ms)
Option Elements
  ✓ selects a dropdown option element (26ms)
  ✓ selects an option element of type multiple (18ms)
  ✓ unselects an option element of type multiple (19ms)
  ✓ selects a nested option (18ms)
  ✓ selects a datalist option (16ms)
Button Elements
  ✓ fires event sequence: mouseover, mousedown, mouseup, and click (21ms)
  ✓ should not fire events on a disabled button (15ms)

Test Suites: 1 passed, 1 total
Tests:       8 passed, 8 total
Snapshots:   0 total
Time:        2.61s
Ran all test suites.
```

GitHub Kanban

The screenshot displays a GitHub Kanban board with three columns: "Review in progress", "Reviewer approved", and "Done". Each column contains task cards with the following details:

- Review in progress (2 items):**
 - feat: click endpoint** (#49 opened by poftheadh)
 - Priority: High
 - Type: Enhancement
 - Click Endpoint Completion
 - Implement Session Actions** (#27 opened by miggs125)
 - 0 of 9
 - Priority: High
 - Type: Enhancement
- Reviewer approved (1 item):**
 - Create "has" utility reference for property checks** (#47 opened by poftheadh)
 - Priority: Low
 - Type: Refactor/Clean...
- Done (10 items):**
 - Address security vulnerabilities in dependencies** (#35 opened by poftheadh)
 - Priority: High
 - Type: Security
 - fix: vulnerable packages with npm audit** (#41 opened by poftheadh)
 - 1 of 1
 - Priority: High
 - Type: Security
 - Pkg scripts fail to create executables** (#43 opened by poftheadh)
 - Priority: High
 - Type: Bug

Upcoming Endpoints

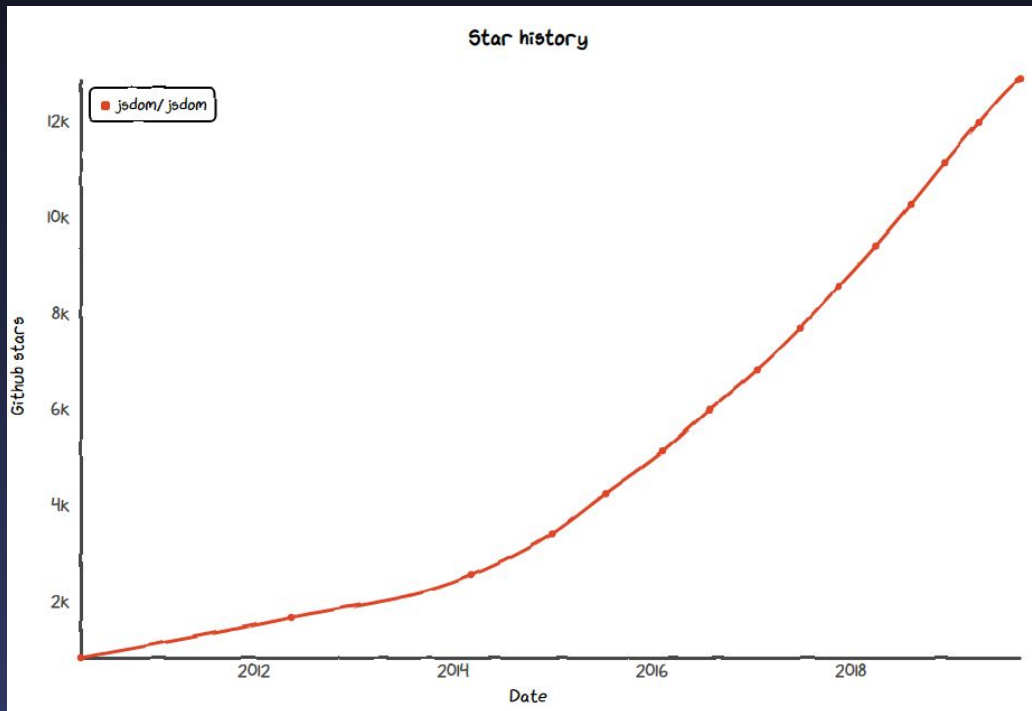
Element Clear:

`/session/{sessionid}/element/{elementid}/clear`

Perform Actions:

`/session/{session id}/action`

JSDOM's Growth



Used by ▼

1,349,247

Watch ▼

259

★ Unstar

12,878

Fork

1,161

Thank You

Email: poftadeh2@gmail.com

OSTEP

<https://cdot.senecacollege.ca/>