

# Fake Your WebComponents!



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# Presentation overview

- ▶ WebComponents
  - ▶ Brief overview
  - ▶ Tradeshift UI
  - ▶ Quick intro
- ▶ CoolCat Component
  - ▶ WebComponents
  - ▶ Tradeshift UI
- ▶ Conclusion

# WebComponents

# WebComponents

- ▶ HTML Templates
  - ▶ `<template />`
- ▶ HTML Imports
  - ▶ Reusing HTML documents

# WebComponents

- ▶ Custom Elements
  - ▶ <mytag />, <button is="something" />
  - ▶ Observing attributes
- ▶ Shadow DOM
  - ▶ DOM and CSS encapsulation

# WebComponents

## ► Browser Support

| Browser support  | CHROME   | OPERA   | FIREFOX  | SAFARI   | EDGE  |
|--|--|---|--|--|---|
|  TEMPLATES         |  STABLE   |  STABLE   |  STABLE   |  STABLE   |  STABLE  |
|  IMPORTS         |  STABLE |  STABLE |  POLYFILL<br> ON HOLD    |  POLYFILL<br> ON HOLD    |  POLYFILL<br> CONSIDERING |
|  CUSTOM ELEMENTS |  STABLE |  STABLE |  POLYFILL<br> DEVELOPING |  POLYFILL<br> DEVELOPING |  POLYFILL<br> CONSIDERING |
|  SHADOW DOM      |  STABLE |  STABLE |  POLYFILL<br> DEVELOPING |  STABLE   |  POLYFILL<br> CONSIDERING |

# Tradeshift UI

# Tradeshift UI

- ▶ Framework-agnostic JavaScript library
  - ▶ Injects CSS boilerplate
  - ▶ Reusable UI components
  - ▶ Cohesive UX throughout the Tradeshift web platform
    - ▶ 1st party internal apps
    - ▶ 3rd party apps

# Tradeshift UI

- ▶ TSM<sup>L</sup> Templates
  - ▶ Almost 100% JS HTML templating
- ▶ Custom Elements
  - ▶ Full lifecycle
  - ▶ Complex selectors also supported
  - ▶ Helper plugins
  - ▶ API
    - ▶ DOM
    - ▶ JS
    - ▶ JS via DOM

# Tradeshift UI

- ▶ We support all browsers since IE9
- ▶ Also mobile browsers

<cool-cat />

WebComponents vs Tradeshift UI

## <cool-cat />

- ▶ Simple component
- ▶ Shows an image
- ▶ Moves the image around the screen
  - ▶ CSS transforms
  - ▶ requestAnimationFrame

<cool-cat />

- ▶ Source is available!
- ▶ <https://github.com/sampi/fake-your-webcomponents>

Thank you!

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