

JavaScript

Lecture 4c

Waterford Institute of Technology

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John Fitzgerald

JavaScript Introduction

Topics discussed this presentation

- Ajax

jQuery

Asynchronous Java and XML (Ajax)

Not using Ajax

Press Donate button

Entire page refreshes

Noticeable flicker

Using Ajax

Press Donate button

Only the progress bar affected

No noticeable flicker

| | | | | | |
|------|---------|--------|----------------------|--------|---------|
| Home | Sign Up | Log In | Make Donation | Report | Log Out |
|------|---------|--------|----------------------|--------|---------|

Welcome Homer

Please give generously

Amount ▾

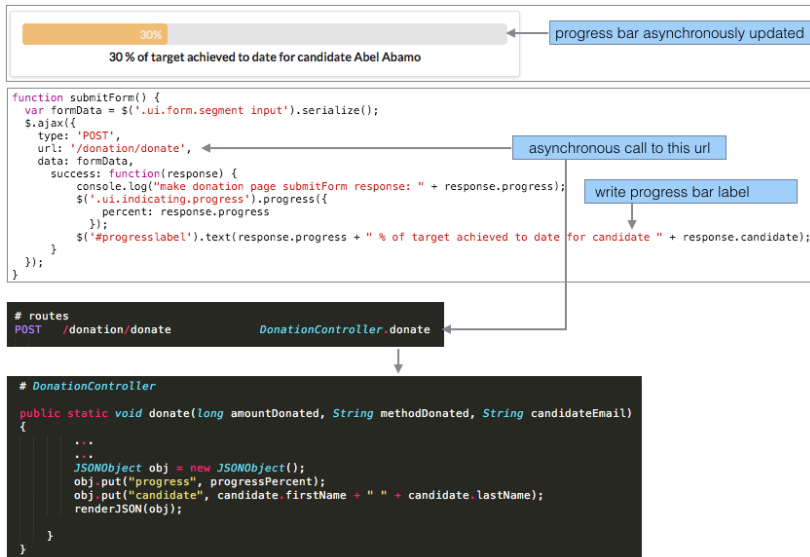
☒ PayPal
☐ Direct

DONATE +

Amount target achieved

jQuery

Asynchronous Java and XML (Ajax)



JavaScript

Presentation summary

- Ajax
 - In widespread use.
 - Allows specific page element refresh.
 - Avoids flicker associated with whole-page refresh.

JavaScript

Some suggestions for consideration

- Write code complying with ECMAScript6 (ES6).
- Use quality IDE such as WebStorm.
- Apply styleguide, example Airbnb.
- Use strict mode.
- Avoid use of global variables:
 - Use global abatement or other techniques.
- Do not rely on semicolon insertion.
- Do not use:
 - `==` (use `===`)
 - `!=` (use `!==`)
- Avoid use of *continue* statement.
- Do not use block-less statements (e.g. following *for*, *while*, *if*).

References

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https://developer.mozilla.org/en/docs/Web/Guide/HTML/HTML5/HTML5_element_list

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`[Accessed 2016:-03-23]`

8. Mozilla Developer Network (MDN)

`https://developer.mozilla.org/en-US/Add-ons/SDK/
Guides/Contributor_s_Guide/Classes_and_Inheritance`

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9. Airbnb JavaScript Style Guide

`http://airbnb.io/javascript/`

`[Accessed 2016:-005-15]`



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