

Web Advanced: Javascript



PGTE 5505. Section B. CRN 5264.
Fall 2016. Umi Syam

Class 3 - 9/14/2016

**github.com/umisyam/
WebAdvJS_Fall2016_StudentsHW**

Week 1 Recap

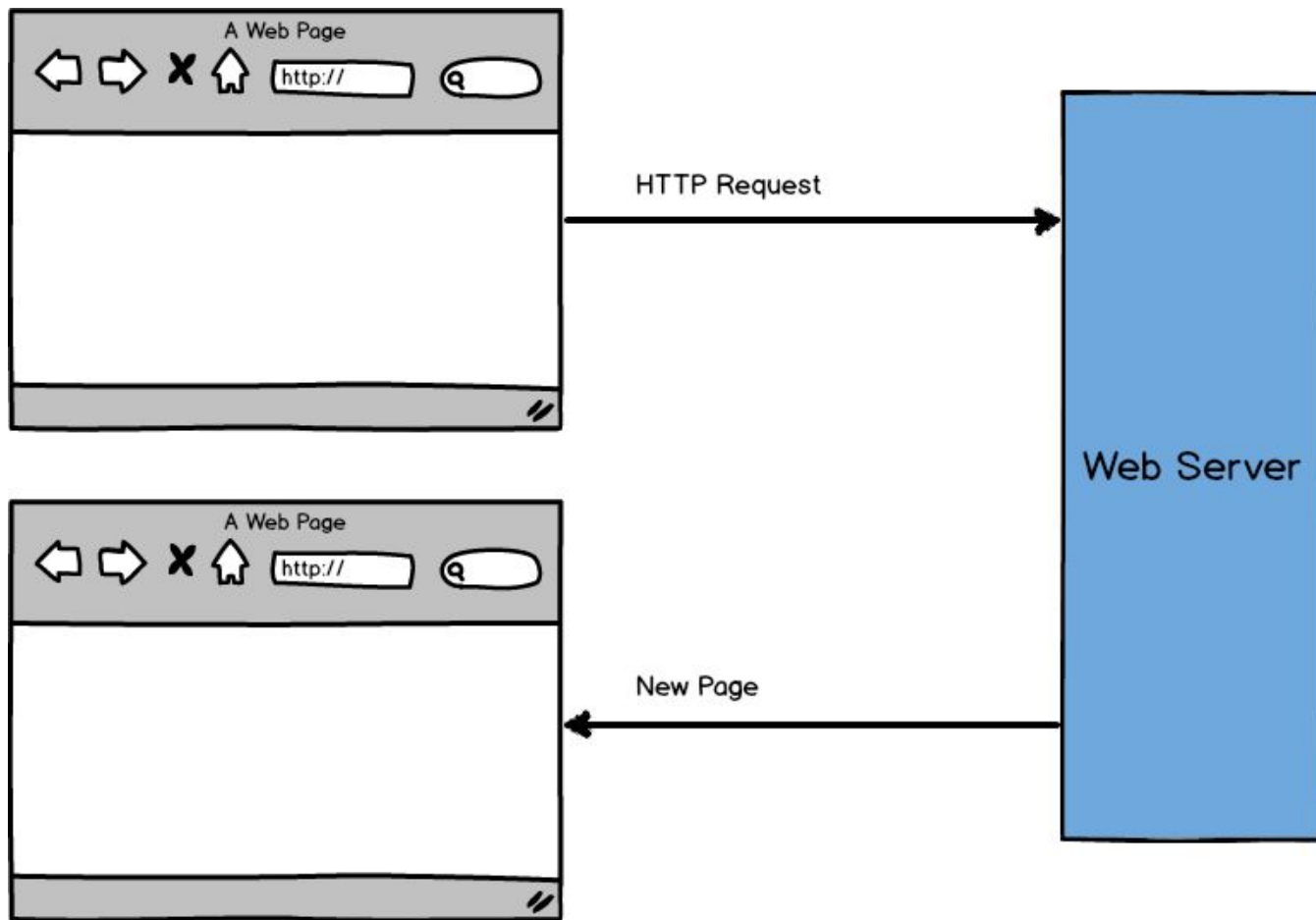
- JS definitions and characteristics
- Variable and data types
- Bad arrays vs good arrays; looping array with `forEach`, manipulate array
- Iteration and Conditionals (`for` loops, `if-else`, `switch-case`)
- Anonymous functions vs named functions
- Function as Object, class-based vs prototype-based
- Intro to Scopes and Closures
- Timing functions

Week 2 Recap

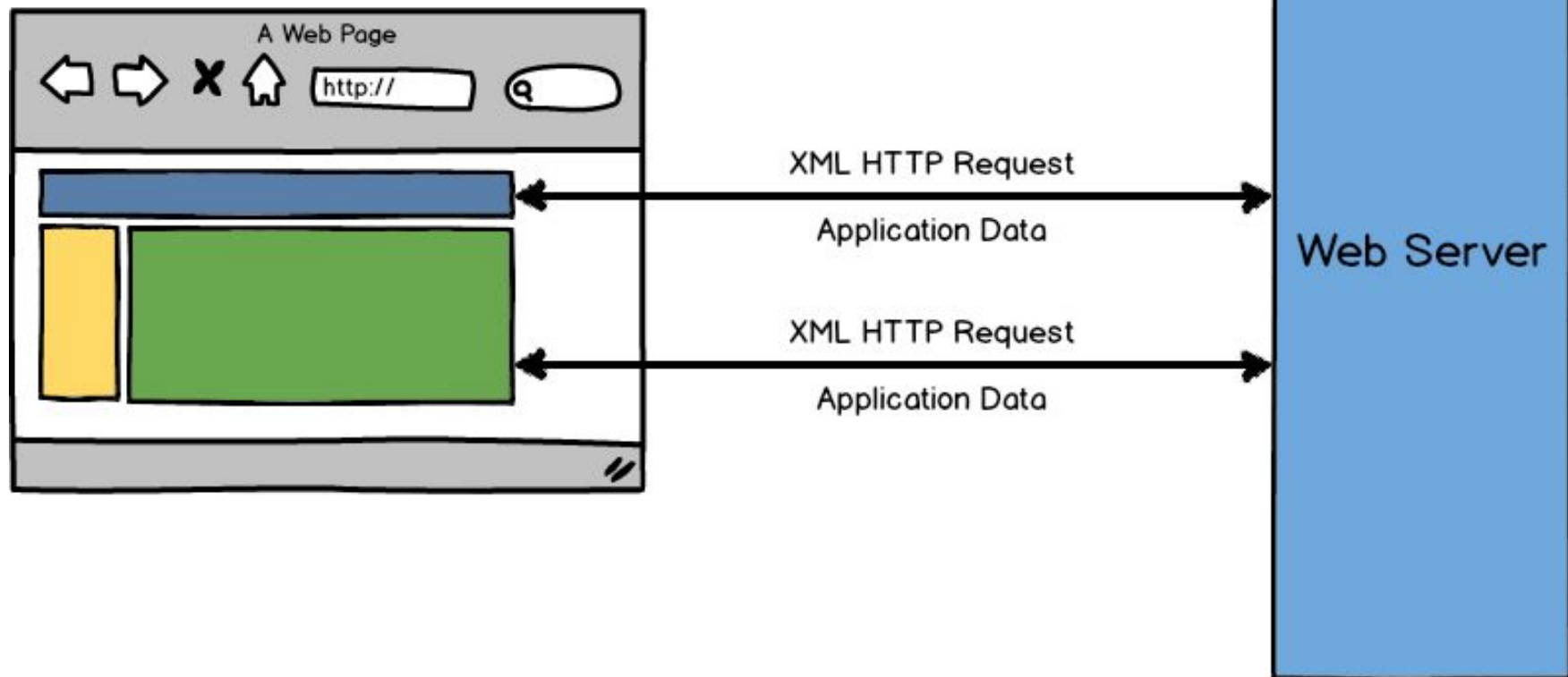
- Immediately-Invoked Function Expression
- Module pattern
- Namespacing your app
- Programming patterns and paradigms
- Public? Private?
- What is “this”?
- Anonymous functions
- Callback functions

Single Page Application {SPA}

You've seen it everywhere..



Traditional Full-Page Postback Operation



Single Page Application Elements within a Page

It's all about better UX.

no page reloads, no extra wait time

Ways to develop SPA:

- Without UI Framework:
 - jQuery, CSS, and some kick-ass Javascript skill
- With MV* Framework:
 - AngularJS
 - React.js
 - Backbone.js
 - Ember.js
 - Durandal
 - Knockout.js
 - YUI

SPA =
Client-side Routing +
Client-side Rendering

LET'S CODE.