



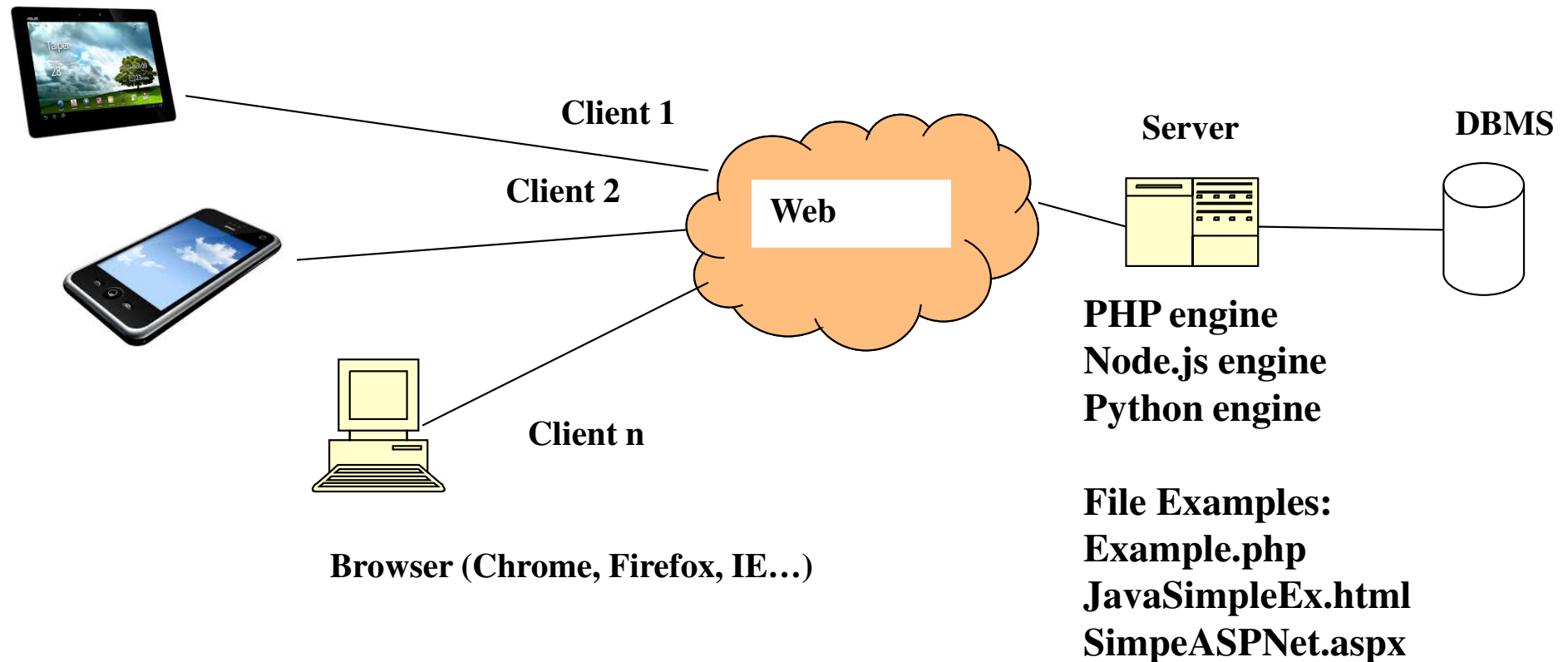
# COMP721 Web Development



## Week 12: Review

# Review

## Week 1: Introduction to Web development (3-tier architecture), HTML



# Week 2&3: PHP Language

---

Basic PHP scripts

PHP datatypes and operators

PHP functions and control structures

Associative arrays and Superglobals/Autoglobals

PHP Strings

Regular expressions

PHP as an Object-Oriented Language

# Week 4&5: Manipulating MySQL databases with PHP

---

Database basics

Accessing database with PHP

Creating and deleting databases and tables

Creating, updating, selecting and deleting records

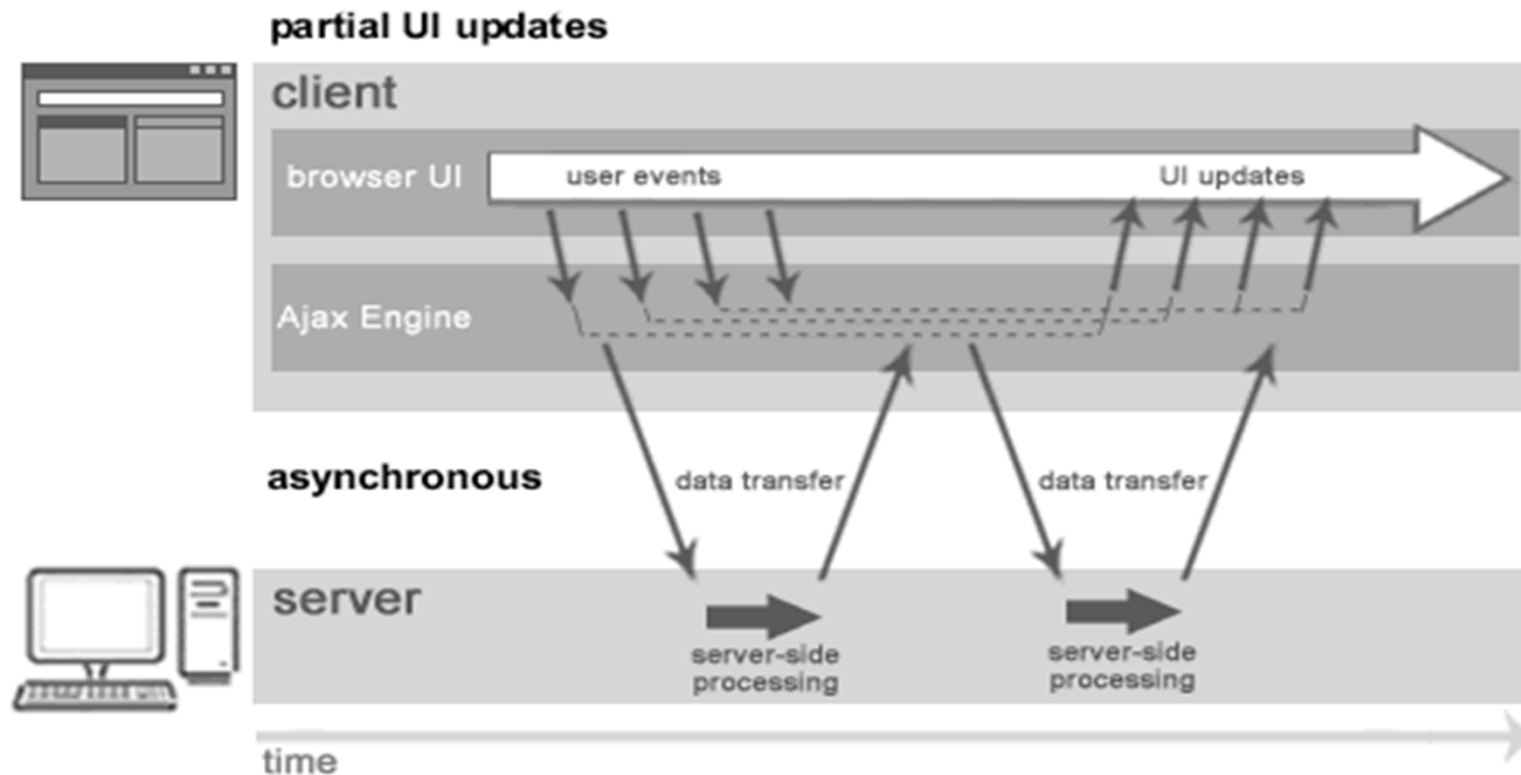
# Week 6: Managing state information

---

save state information

- . Using hidden form fields
- . Using query strings
- . Using cookies
- . Using PHP sessions – used in the Ajax shopping cart example

# Week 7: Introduction to Ajax

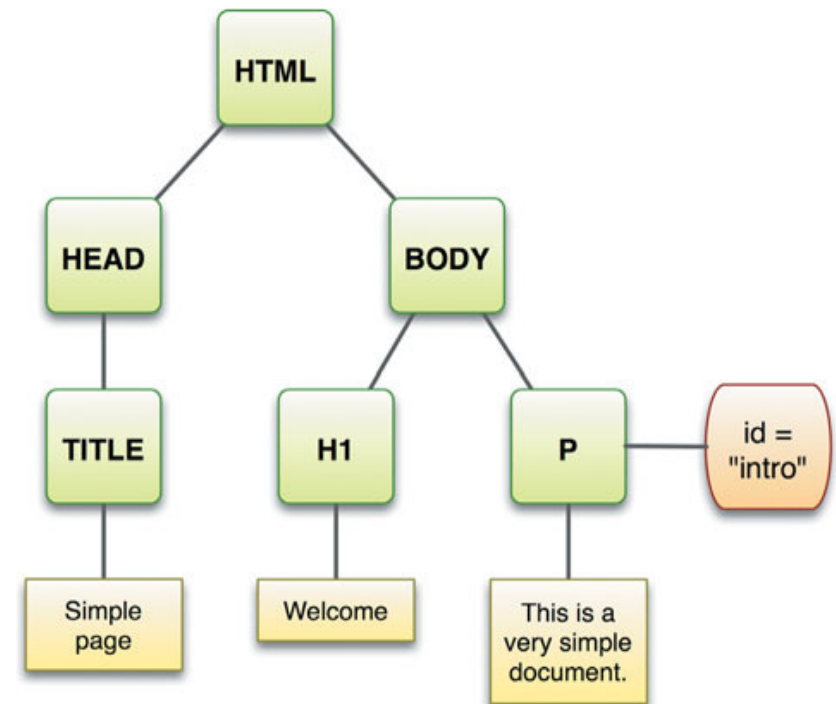
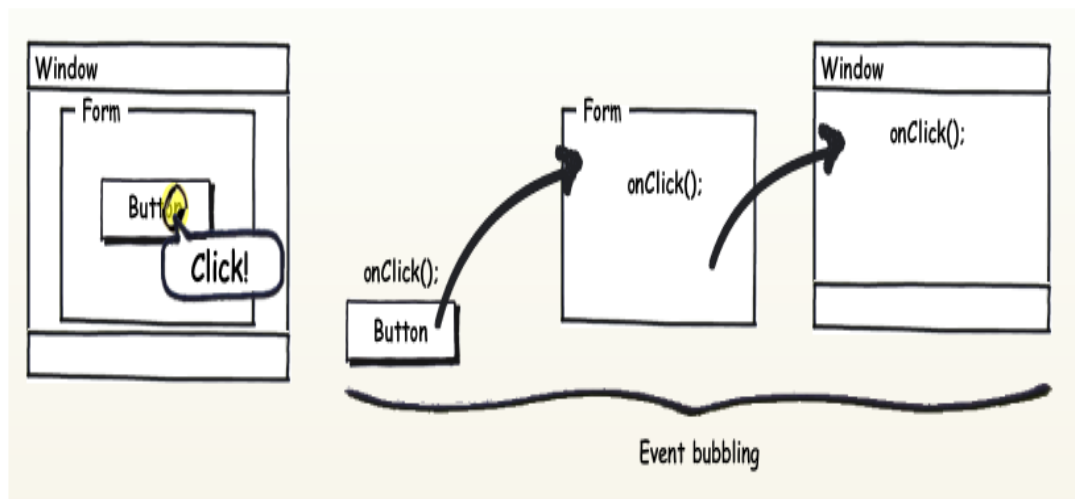


# Week 8: Client-Side Processing – JavaScript and DOM

JavaScript

The Document Object Model (DOM)

JavaScript and Events



# Week 9: XML/JSON and Ajax interaction cycle

---

## Client-Server Ajax Interaction Cycle

### XML

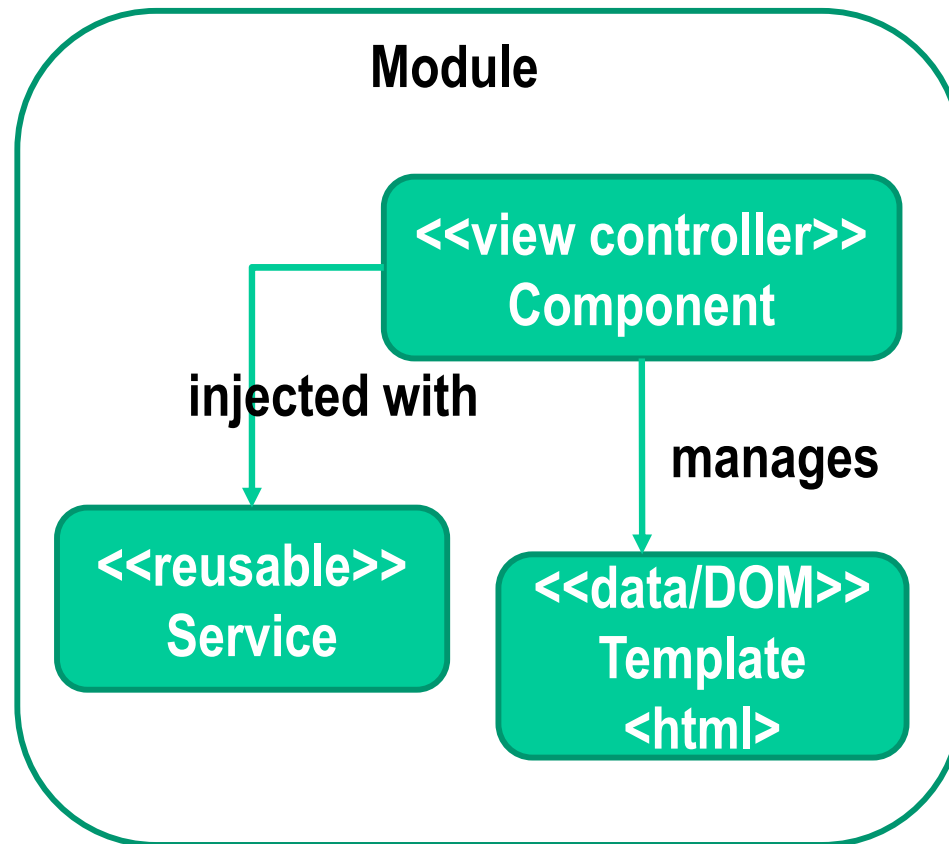
#### The shopping cart example

```
<Persons>
  <Person>
    <Name>
      <First>Thomas</First>
      <Last>Atkins</Last>
    </Name>
    <Age>30</Age>
  </Person>
```

```
{"Persons":[
  "Person":{
    "Name":{
      "First": "Thomas",
      "Last": "Atkins"
    },
    "Age":30
  }
]}
```



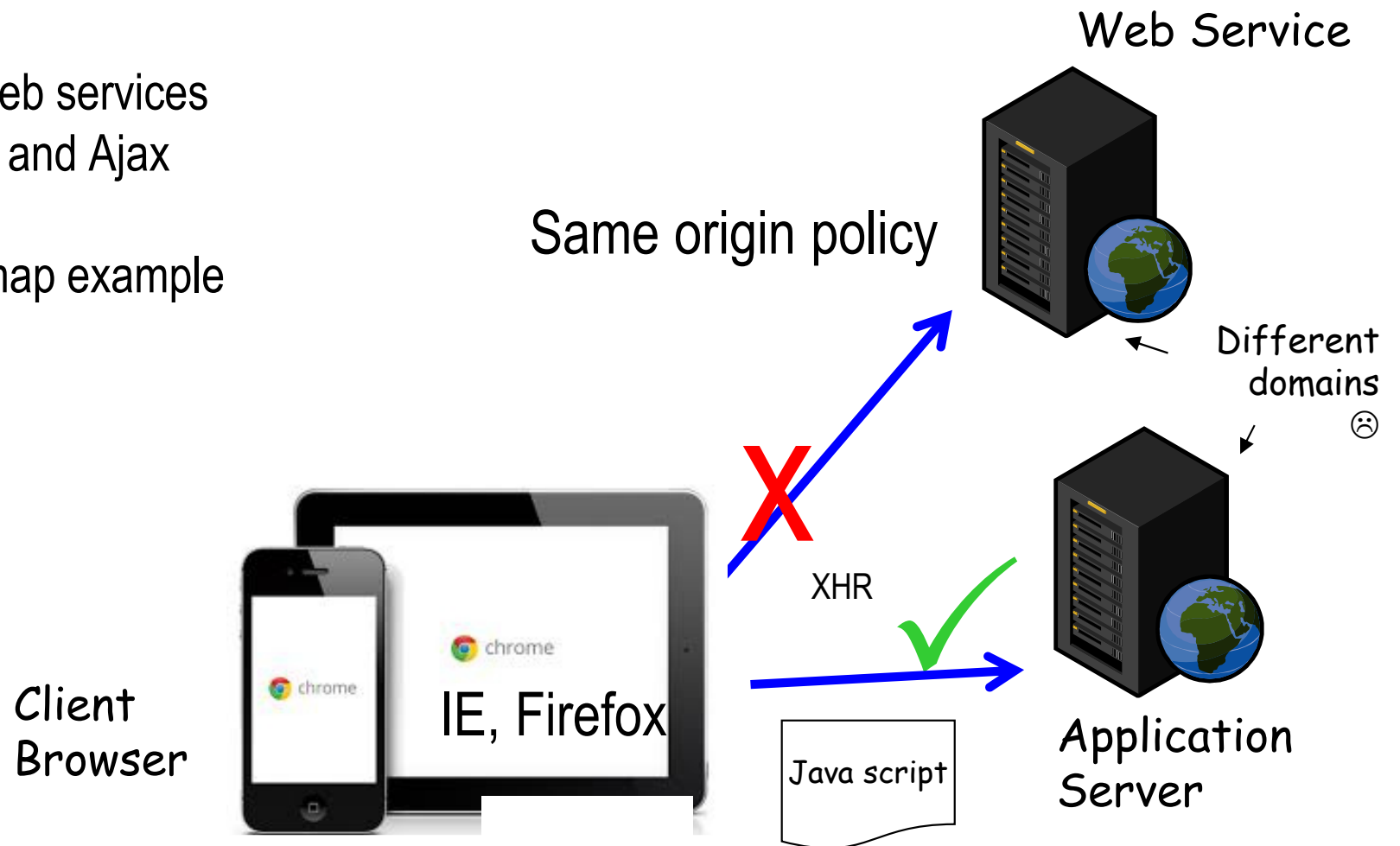
# Week 10: Angular OO framework



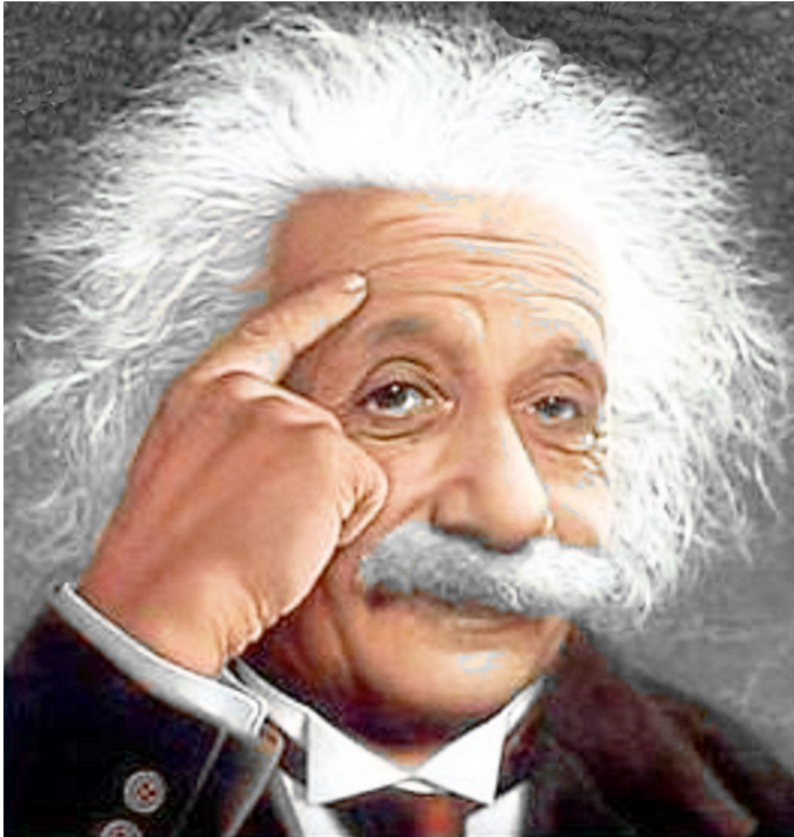
# Week 11: Web Services and APIs

Consuming web services  
Web services and Ajax

The Google map example



# Conclusion



Education is not the learning of facts, it's rather the **training of the mind to think.** -  
Albert Einstein