



COMP1231 Web Programming

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Winter 2015 – V 1.1

**Date: Week 14 – April 05, 2015 11:59PM**

## Introduction

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For this assignment as an individual you will be creating a tutorial web site. You will cover a topics in JavaScript, PHP and topics from chapter 12, 15, 16, 17, 18, 19, 20.

You must create only one page about a topic you have selected. You will have the opportunity to present to the class. The content of the page must be original and cannot be copied.

If you prefer to work in a group you may, but you have to pick a topic that can be divided into multiple sub topics which is present by each member. Make sure you inform your instructor and he/she is agrees with the topic.

## Goals and Outcomes

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- Being able to research, understand and explain a new topic.
- Analyze, evaluate, and apply relevant information from a variety of sources
- Use a variety of thinking skills to anticipate and solve problems
- Respond to written, spoken or visual messages in a manner that ensures effective communication

## Page format and structure:

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- Topic (i.e. JavaScript Function)
- Tutorial content
- Description
- Where and why to use
- At least 3 examples if applicable
- The content and examples must be original (no copying)
- All examples provided must work

## Time and content

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- Each presenter has 10 minutes
- Remember you are going to teach a new topic on your presentation. Please make sure you have a plan from start to end and proper content to support your plan.

## Topics:

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- PHP:
  - Global Variables – Superglobals \$\_GET, \$\_POST, \$\_REQUEST,
  - \$\_COOKIE
  - \$\_SESSION
  - File upload and \$\_FILES
  - PHP OOP class and object
  - PHP Array
  - Compare a topic from PHP to JavaScript

- JavaScript
  - Regular expression
  - Handle exceptions
  - Data validation
  - Advanced Dom manipulation
  - How to script CSS (must use javascript properties)
  - How to script tables (must use javascript objects and properties to build the table not just loop)
  - Animation with DOM Scripting
  - How to control the web Browser
  - JQUERY for basics
  - JavaScript Ajax
  - JavaScript frameworks
    - AngularJS,
    - Backbone.js,
    - Ember.js
    - Of your choice
  - JavaScript Cookie
  - Chapters 12, 15, 16, 17, 18, 19, 20

### Submission deadline and rules

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- No late submission is accepted
- All pages must be valid HTML5 and CSS 3.
- Presentation/Due date: week 14 (during lab and lecture)

### Mark breakdown

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1. Original content and examples 40%
2. Why and where section 10%
3. Layout 20%
  - a. Error free HTML 5%
  - b. Error free CSS 5%
  - c. Responsive ([read more](#)) 5%
  - d. Accessible (User friendly structure.) 5%
4. Presentation 30%
  - a. Complete the presentation within the set time (10 minutes) 5%
  - b. Proper plan that helps audience to follow the presentation 5%
  - c. Clear voice (speak loud so everyone can hear you) 5%
  - d. Proper use of media such as whiteboard, projector... (if you use whiteboard make sure you writing is clear and big enough for audience to see it) 5%
  - e. Talk to all the audience (don't read from paper, project or talk to one person only) 5%
  - f. Write a simple example (write from scratch) 5%