
Nicholas Thompson

Assignment: 10

BLOG: Brunelleschi's Dome - Ross King

Version <1.0>

<p align="center">BLOG: Brunelleschi's Dome - Ross King</p>	<p>By Nicholas Thompson (Nick) Version <1.0></p>
<p>Software Requirements Specifications: 1. Books-CSS The Definitive Guide, Don't Make Me Think Revisited. 2. Tools-W3 CSS and HTML Validator, FireFox, IE, Chrome, Firebug, Devices, Browser Shots, NetBeans, WinSCP, Text Editor, Stack Overflow, W3Schools, Bob's Initial Database Setup Code for CS148.</p> <p>A Visual Introduction to SQL by David Chappell and J. Harvey Trimble Jr. ISBN: 0-471-41276-7</p> <p>GitHub repository for class: https://github.com/Robert-Erickson/cs148</p> <p>mySQL account: Request a mySQL username and password.</p>	<div></div> <p>Date : 12/8/15</p>

Table Of Contents

Time Log	4
Introduction	5
Purpose	5
Definitions, acronyms, and abbreviations	5
Overall Description	6
Data Dictionary.....	6-7
Entity Relationship Diagram.....	7
Schema.....	8-9
Story Board	10
Assignment requirements.....	11-12
Specific requirements	13-14

BLOG: Brunelleschi's Dome - Ross King	By Nicholas Thompson (Nick) Version <1.0>
<p>Software Requirements Specifications: 1. Books-CSS The Definitive Guide, Don't Make Me Think Revisited. 2. Tools-W3 CSS and HTML Validator, FireFox, IE, Chrome, Firebug, Devices, Browser Shots, NetBeans, WinSCP, Text Editor, Stack Overflow, W3Schools, Bob's Initial Database Setup Code for CS148.</p> <p>A Visual Introduction to SQL by David Chappell and J. Harvey Trimble Jr. ISBN: 0-471-41276-7</p> <p>GitHub repository for class: https://github.com/Robert-Erickson/cs148</p> <p>mySQL account: Request a mySQL username and password.</p>	
	Date : 12/8/15

Time Log			
Estimated time to complete assignment =>			100 Hours
Date	Time Spent (in hours)	Description	Author
08/19/14	2.0	First Version of Software Requirements	Robert Erickson
11/1/15-12/4/15	30.0	Django, PHP, MySQL, Python. I had a localhost setup working and then did an installation of Django on w3.uvm.edu. Note: Unable to complete the initial Django project in time I left available to myself. Still on localhost and unable to share in public domain.	Nick
12/6/15-12/7/15	5.0	Decided to scrap the initial Django project and instead create a Blog using Bob's code given for the Poet and Register examples under PHP Lecture Notes.	Bob and Nick
12/8/15	7.0	Uploading/Organizing the tables on MySQL and troubleshooting the PHP code on Bob's Example. Three tables (tblStudents, tblAdmin and tblPeople).	Nick

<p align="center">BLOG: Brunelleschi's Dome - Ross King</p>	<p>By Nicholas Thompson (Nick) Version <1.0></p>
<p>Software Requirements Specifications: 1. Books-CSS The Definitive Guide, Don't Make Me Think Revisited. 2. Tools-W3 CSS and HTML Validator, FireFox, IE, Chrome, Firebug, Devices, Browser Shots, NetBeans, WinSCP, Text Editor, Stack Overflow, W3Schools, Bob's Initial Database Setup Code for CS148.</p> <p>A Visual Introduction to SQL by David Chappell and J. Harvey Trimble Jr. ISBN: 0-471-41276-7</p> <p>GitHub repository for class: https://github.com/Robert-Erickson/cs148</p> <p>mySQL account: Request a mySQL username and password.</p>	<div></div> <p>Date : 12/8/15</p>

		<p>Note: Due to the limited time I left for myself I could not get the admin interface or the form to work (poetCode.php, poetAddCode.php and form.php). Both are incomplete. I understand these were requirements and that points will be taken off.</p>	
12/8/15	2.5	Creating six web pages	Nick
12/8/15	1.5	Storyboard, schema, ER diagram	Nick
12/8/15	.5	HTML/CSS Validation and adding comments	Nick
12/8/15	1	Finalizing the spec sheet, main sitemap.php and uploading to GitHub	Nick
	49.5	<=Total Time Spent	

<p align="center">BLOG: Brunelleschi's Dome - Ross King</p>	<p>By Nicholas Thompson (Nick) Version <1.0></p>
<p>Software Requirements Specifications: 1. Books-CSS The Definitive Guide, Don't Make Me Think Revisited. 2. Tools-W3 CSS and HTML Validator, FireFox, IE, Chrome, Firebug, Devices, Browser Shots, NetBeans, WinSCP, Text Editor, Stack Overflow, W3Schools, Bob's Initial Database Setup Code for CS148.</p> <p>A Visual Introduction to SQL by David Chappell and J. Harvey Trimble Jr. ISBN: 0-471-41276-7</p> <p>GitHub repository for class: https://github.com/Robert-Erickson/cs148</p> <p>mySQL account: Request a mySQL username and password.</p>	<p>Date : 12/8/15</p>

Introduction

Purpose

The purpose of this document is to describe the requirement specification for the web site "BLOG: Brunelleschi's Dome - Ross King".

The intended audience for this document is the prospective developers of this site. The goal being that you can give this document to someone and they can make the site without having to ask any questions.

First it is the contract between you and the client. Second it is for the developer of the site. Two primary goals are:

- 1. Client gets a very good understanding of what you will be delivering.*
- 2. Developer has a very good understanding of what they are going to create.*

Definitions, acronyms, and abbreviations

Sample for the client:

HTML – Hypertext markup language – used to define your content.

PHP – Personal Home Page – language that helps to customize html.

CSS – Cascading Style Sheets – used to define the look of a web site.

W3 Validation – refers to both Html and CSS validation tool provided by the W3c.org. the html validator is located at:

<http://validator.w3.org/>

with the CSS validator located at:

<http://jigsaw.w3.org/css-validator/>

<p align="center">BLOG: Brunelleschi's Dome - Ross King</p>	<p>By Nicholas Thompson (Nick) Version <1.0></p>
<p>Software Requirements Specifications: 1. Books-CSS The Definitive Guide, Don't Make Me Think Revisited. 2. Tools-W3 CSS and HTML Validator, FireFox, IE, Chrome, Firebug, Devices, Browser Shots, NetBeans, WinSCP, Text Editor, Stack Overflow, W3Schools, Bob's Initial Database Setup Code for CS148.</p> <p>A Visual Introduction to SQL by David Chappell and J. Harvey Trimble Jr. ISBN: 0-471-41276-7</p> <p>GitHub repository for class: https://github.com/Robert-Erickson/cs148</p> <p>mySQL account: Request a mySQL username and password.</p>	<p>Date : 12/8/15</p>

Overall Description

The site is unfortunately a last minute effort to create a blog about the **book Brunelleschi's Dome by Ross King**. The point of the site is provide information regarding the characters in the book, a timeline and an overall summary. This could be directed towards history students who want to share their perspectives on the Renaissance and especially Florence, Italy. The site could serve as an area to share their ideas, add, update and delete table records in the process. The final project should be to complete a Graphical User Interface using PHP for people in an academic environment to access the database information.

Data Dictionary

tblStudents-

pmkStudentId- int
fldFirstName-varchar
fldLastName-varchar
fldStreetAddress-varchar
fldCity-varchar
fldZip-varchar
fldGender-char

tblPeople-

pmkPeopleId-int
fnkStudentId-int
fnkNetId-varchar
fldFirstName-varchar
fldLastName-varchar

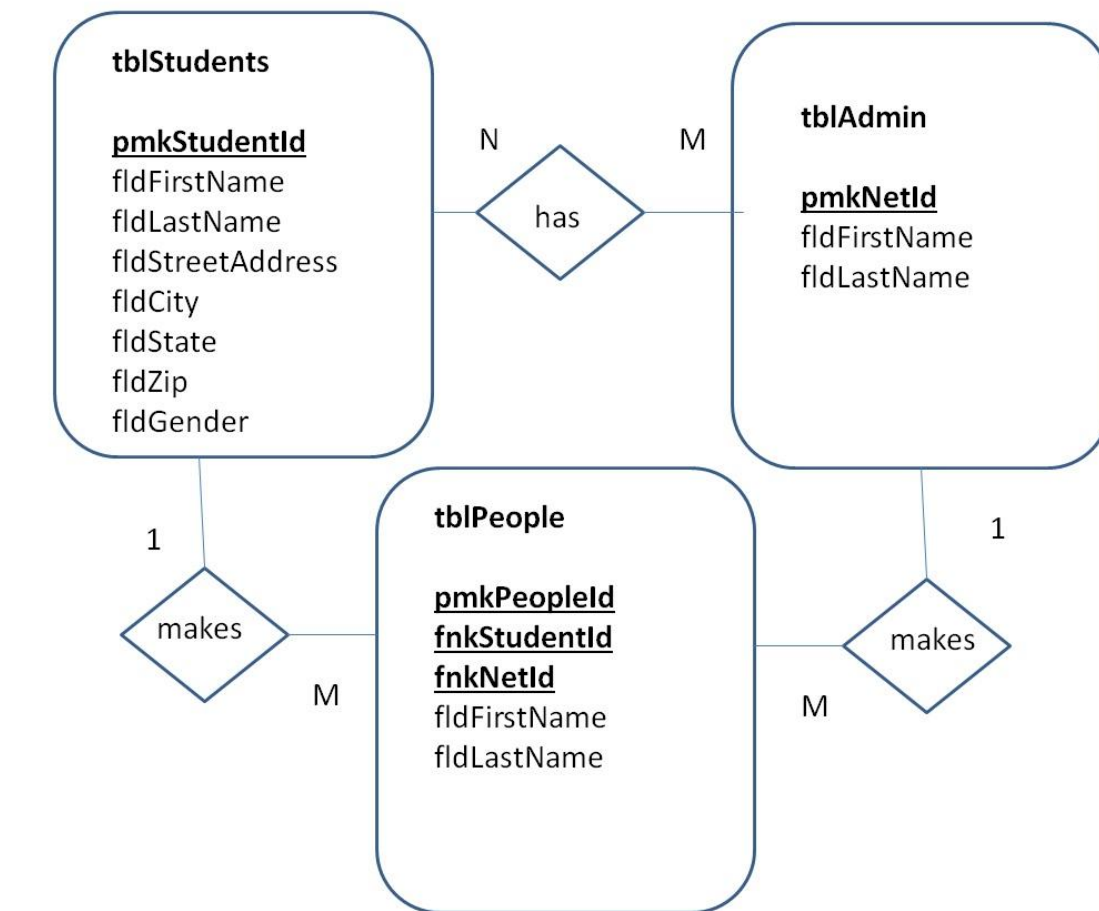
tblAdmin-

pmkNetId-varchar

<p align="center">BLOG: Brunelleschi's Dome - Ross King</p>	<p>By Nicholas Thompson (Nick) Version <1.0></p>
<p>Software Requirements Specifications: 1. Books-CSS The Definitive Guide, Don't Make Me Think Revisited. 2. Tools-W3 CSS and HTML Validator, FireFox, IE, Chrome, Firebug, Devices, Browser Shots, NetBeans, WinSCP, Text Editor, Stack Overflow, W3Schools, Bob's Initial Database Setup Code for CS148.</p> <p>A Visual Introduction to SQL by David Chappell and J. Harvey Trimble Jr. ISBN: 0-471-41276-7</p> <p>GitHub repository for class: https://github.com/Robert-Erickson/cs148</p> <p>mySQL account: Request a mySQL username and password.</p>	<p>Date : 12/8/15</p>

fldFirstName-varchar
fldLastName-varchar

Entity Relationship Diagram



<p align="center">BLOG: Brunelleschi's Dome - Ross King</p>	<p>By Nicholas Thompson (Nick) Version <1.0></p>
<p>Software Requirements Specifications: 1. Books-CSS The Definitive Guide, Don't Make Me Think Revisited. 2. Tools-W3 CSS and HTML Validator, FireFox, IE, Chrome, Firebug, Devices, Browser Shots, NetBeans, WinSCP, Text Editor, Stack Overflow, W3Schools, Bob's Initial Database Setup Code for CS148.</p> <p>A Visual Introduction to SQL by David Chappell and J. Harvey Trimble Jr. ISBN: 0-471-41276-7</p> <p>GitHub repository for class: https://github.com/Robert-Erickson/cs148</p> <p>mySQL account: Request a mySQL username and password.</p>	<p>Date : 12/8/15</p>

Schema

tblPeople

```
CREATE TABLE `tblPeople` (
  `pmkPeopleId` int(11) NOT NULL AUTO_INCREMENT,
  `fnkStudentId` int(11) NOT NULL,
  `fnkNetId` varchar(15) NOT NULL,
  `fldFirstName` varchar(100) NOT NULL,
  `fldLastName` varchar(100) NOT NULL,
  PRIMARY KEY (`pmkPeopleId`),
  UNIQUE KEY `pmkPoetId` (`pmkPeopleId`)
) ENGINE=InnoDB AUTO_INCREMENT=9 DEFAULT CHARSET=utf8
```

tblAdmin

```
CREATE TABLE `tblAdmin` (
  `pmkNetId` varchar(12) NOT NULL,
  `fldFirstName` varchar(100) NOT NULL,
  `fldLastName` varchar(100) NOT NULL,
  PRIMARY KEY (`pmkNetId`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8
```

tblStudents

```
CREATE TABLE `tblStudents` (
  `pmkStudentId` mediumint(8) unsigned NOT NULL,
```


<p align="center">BLOG: Brunelleschi's Dome - Ross King</p>	<p>By Nicholas Thompson (Nick) Version <1.0></p>
<p>Software Requirements Specifications: 1. Books-CSS The Definitive Guide, Don't Make Me Think Revisited. 2. Tools-W3 CSS and HTML Validator, FireFox, IE, Chrome, Firebug, Devices, Browser Shots, NetBeans, WinSCP, Text Editor, Stack Overflow, W3Schools, Bob's Initial Database Setup Code for CS148.</p> <p>A Visual Introduction to SQL by David Chappell and J. Harvey Trimble Jr. ISBN: 0-471-41276-7</p> <p>GitHub repository for class: https://github.com/Robert-Erickson/cs148</p> <p>mySQL account: Request a mySQL username and password.</p>	<div></div> <p>Date : 12/8/15</p>

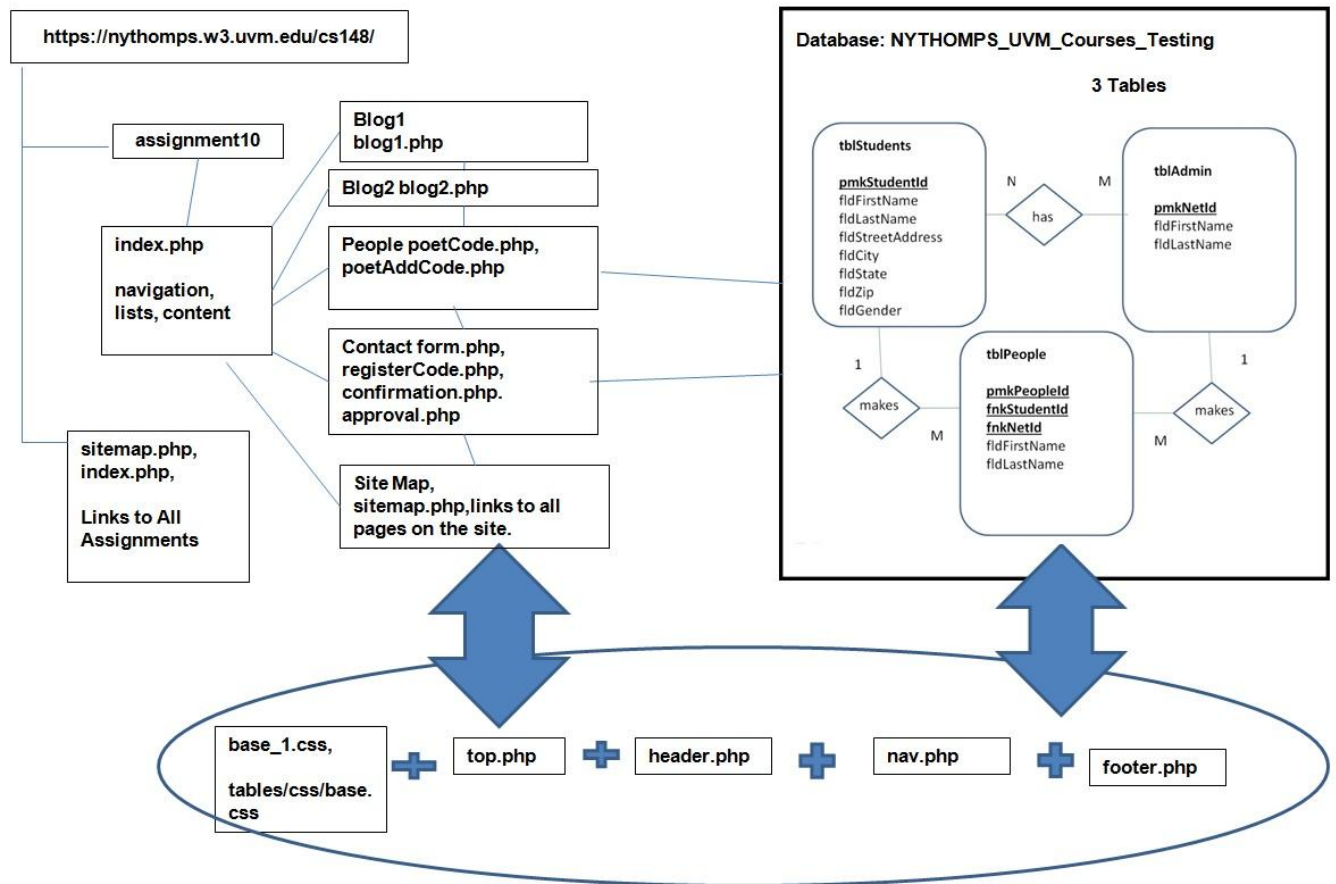
```

`fldFirstName` varchar(255) DEFAULT NULL,
`fldLastName` varchar(255) DEFAULT NULL,
`fldStreetAddress` varchar(255) DEFAULT NULL,
`fldCity` varchar(255) DEFAULT NULL,
`fldState` varchar(50) DEFAULT NULL,
`fldZip` varchar(10) DEFAULT NULL,
`fldGender` char(1) DEFAULT NULL,
PRIMARY KEY (`pmkStudentId`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8

```

<h2 style="text-align: center;">BLOG: Brunelleschi's Dome - Ross King</h2>	By Nicholas Thompson (Nick) Version <1.0>
<p>Software Requirements Specifications: 1. Books-CSS The Definitive Guide, Don't Make Me Think Revisited. 2. Tools-W3 CSS and HTML Validator, FireFox, IE, Chrome, Firebug, Devices, Browser Shots, NetBeans, WinSCP, Text Editor, Stack Overflow, W3Schools, Bob's Initial Database Setup Code for CS148.</p> <p>A Visual Introduction to SQL by David Chappell and J. Harvey Trimble Jr. ISBN: 0-471-41276-7</p> <p>GitHub repository for class: https://github.com/Robert-Erickson/cs148</p> <p>mySQL account: Request a mySQL username and password.</p>	<div style="height: 200px;"></div> <p>Date : 12/8/15</p>

Story Board



<p align="center">BLOG: Brunelleschi's Dome - Ross King</p>	<p>By Nicholas Thompson (Nick) Version <1.0></p>
<p>Software Requirements Specifications: 1. Books-CSS The Definitive Guide, Don't Make Me Think Revisited. 2. Tools-W3 CSS and HTML Validator, FireFox, IE, Chrome, Firebug, Devices, Browser Shots, NetBeans, WinSCP, Text Editor, Stack Overflow, W3Schools, Bob's Initial Database Setup Code for CS148.</p> <p>A Visual Introduction to SQL by David Chappell and J. Harvey Trimble Jr. ISBN: 0-471-41276-7</p> <p>GitHub repository for class: https://github.com/Robert-Erickson/cs148</p> <p>mySQL account: Request a mySQL username and password.</p>	<div></div> <p>Date : 12/8/15</p>

Assignment requirements

1. You must have at least 3 tables plus their relationship tables as needed.
2. Create a design specification (External documentation) for this project (pdf or web page).

[Sample Project Specification Document](#) (MS Word).

[Sample Project Specification Document](#) (pdf). NOTE: you will need to edit the document and save as a pdf).

1. cover page
2. time log
3. table of contents
4. Introduction
5. Purpose
6. Definitions, acronyms, and abbreviations
7. Overall Description
8. Data Dictionary
9. Entity Relationship Diagram
10. Schema
11. Story Board
12. Specific requirements
3. You need a minimum one form
 - o insert data into at least two tables.
 - o include one text box for a users email address.
 - o include two additional text boxes.
 - o include one list box.
 - o include three check boxes.
 - o include three radio buttons.
 - o include Submit button.

<p align="center">BLOG: Brunelleschi's Dome - Ross King</p>	<p>By Nicholas Thompson (Nick) Version <1.0></p>
<p>Software Requirements Specifications: 1. Books-CSS The Definitive Guide, Don't Make Me Think Revisited. 2. Tools-W3 CSS and HTML Validator, FireFox, IE, Chrome, Firebug, Devices, Browser Shots, NetBeans, WinSCP, Text Editor, Stack Overflow, W3Schools, Bob's Initial Database Setup Code for CS148.</p> <p>A Visual Introduction to SQL by David Chappell and J. Harvey Trimble Jr. ISBN: 0-471-41276-7</p> <p>GitHub repository for class: https://github.com/Robert-Erickson/cs148</p> <p>mySQL account: Request a mySQL username and password.</p>	<div></div> <p>Date : 12/8/15</p>

- Field sets and legends as needed
 - data should be validated for not missing, valid format etc as needed with php, appropriate error messages will be displayed
 - form should email the person who filled it out
 - form data should be saved to your database (one form needs to save to more than one table at once).
4. Your interface should be easy to follow and understand.
 5. Your interface needs to allow the administrator to do the following (for all tables):
 0. Add new records (populating relation tables automatically)
 1. Update Existing records
 2. Delete records (deleting relational records automatically)
 3. Be sure to validate all information
 6. Use git and github to version your project.
 7. You may present your project to the class (up to 10 points bonus) if we have time.
 8. Minimum of six web pages.
 9. As always be sure to:
 - validate your html and CSS (w3c.org).
 - have the following Meta tags: author, content, description.
 - have a link on your main index page to this assignment.

<p align="center">BLOG: Brunelleschi's Dome - Ross King</p>	<p>By Nicholas Thompson (Nick) Version <1.0></p>
<p>Software Requirements Specifications: 1. Books-CSS The Definitive Guide, Don't Make Me Think Revisited. 2. Tools-W3 CSS and HTML Validator, FireFox, IE, Chrome, Firebug, Devices, Browser Shots, NetBeans, WinSCP, Text Editor, Stack Overflow, W3Schools, Bob's Initial Database Setup Code for CS148.</p> <p>A Visual Introduction to SQL by David Chappell and J. Harvey Trimble Jr. ISBN: 0-471-41276-7</p> <p>GitHub repository for class: https://github.com/Robert-Erickson/cs148</p> <p>mySQL account: Request a mySQL username and password.</p>	<div></div> <p>Date : 12/8/15</p>

Specific requirements

1. phpMyAdmin, webdb.uvm.edu, silk account
2. Initial Database Connection and build Tables following Bob's Example
3. *Title for main page: Assignment10*
4. *Meta Description: Assignment10*
5. *Meta Character set: UTF - 8*
6. *Logo:*
<https://nythomps.w3.uvm.edu/cs148/assignment10/images/favicon.gif>
7. Build HTML Structure and PHP HardCode:
 1. Site ID
 2. Tagline
 3. Main Nav
 4. Form
 5. Site Map
 6. Tables
 7. DIV, Class, ID
 8. Footer
 9. Head, Header, Meta Tags, Links to Style Sheet, Links to web pages or specific content
 10. Author Comments in the Code as a Guide
 11. Admin Interface
8. Build CSS Style:
 1. Background
 2. Article
 3. Text
 4. Text and Box shadow
 5. Position
 6. Float
 7. Display
 8. Width

<p align="center">BLOG: Brunelleschi's Dome - Ross King</p>	<p>By Nicholas Thompson (Nick) Version <1.0></p>
<p>Software Requirements Specifications: 1. Books-CSS The Definitive Guide, Don't Make Me Think Revisited. 2. Tools-W3 CSS and HTML Validator, FireFox, IE, Chrome, Firebug, Devices, Browser Shots, NetBeans, WinSCP, Text Editor, Stack Overflow, W3Schools, Bob's Initial Database Setup Code for CS148.</p> <p>A Visual Introduction to SQL by David Chappell and J. Harvey Trimble Jr. ISBN: 0-471-41276-7</p> <p>GitHub repository for class: https://github.com/Robert-Erickson/cs148</p> <p>mySQL account: Request a mySQL username and password.</p>	<div></div> <p>Date : 12/8/15</p>

- 9. Padding
- 10. Margin
- 11. Tables
- 12. Border/Outlines
- 13. Lists
- 14. Author Comments in the Code as a Guide

9. Validate HTML/CSS

10. Provide the correct path when uploading assignment files and submitting to grader. Path when assignment submitted--

<https://nythomps.w3.uvm.edu/cs148/assignment10/index.php>

11. Provide username and password to user if necessary to view admin interface

12. Use git and github to version your project