



**CSCI 202 - Dynamic Web Pages**

**Winter 2019**

**Final Project**

Create your own 10-page Web site. Any topic is okay so long as it is school-appropriate. Each site must be original and unique.

The topic/theme of the major project has to be selected by the students and should be based on any of the following:

- **Educational:** University or High School
- **News:** CNN news, BBC news, FOX
- **Business:** Yahoo finance, CNBC, Bloomberg.com
- **Online Job Board:** Indeed, CareerBuilder, job.com, monster.com
- **Photography:** Photosite.com, Google's Picasa, Flickr.com
- **E-commerce:** Sites like Amazon.com or Ebay.com, Alibaba.com, flipkart.com, Walmart.com
- **Blog/Portfolio**

*The information contained in this project is subject to change, any changes will be announced in class.*

**READ ALL OF THE REQUIREMENTS CAREFULLY.**

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**A. Main Requirements**

1. 10 or more HTML pages
  2. All presentation is controlled by CSS (not outdated HTML methods)
  3. All HTML pages pass [HTML validation](#)
  4. All CSS passes [CSS validation](#)
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## B. Usability Requirements

1. **LAYOUT.** The arrangement of text and images on each page should be attractive and well organized.
  2. **NAVIGATION.** Each page links to each of the others. The navigation must be visible without scrolling, and located in the same place on every page. The only exception is the page which serves as a "pop-up".
  3. **CONSISTENCY.** All pages are consistent in the layout: navigation, content, logo, etc. are always in the same place on the page.
  4. **TEXT.** The text is large enough to read and contrasts strongly with the background color.
  5. **IMAGE SIZES.** Each image should be original. Avoid copying from online.
  6. **TITLES.** Each page must have a logical <title> element that identifies both the Website and the topic of the page.
  7. **JavaScript.** Add interactivity to at least one page.
  8. **jQuery.** Use lightbox and Slideshow in at least one of your page.
  9. **Bootstrap** for responsive web design.
  10. **Bootswatch** for different web template.
  11. **Material Design** for form designs.
  12. **Server Side Scripting using PHP**
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## C. Getting Started

1. Download and Install [XAMPP](#) server your computer.
2. Open XAMPP Control Panel start the Apache and MySQL.
3. Depending on your port, you might have to configure the Apache by clicking on the **Config button**, if you have another server running on your computer.
4. After configuration, go to **localhost:8080** or **localhost/phpmyadmin** in your web browser.
5. Click on **Explorer button** on MySQL which opens the default directory where XAMPP has been installed.
6. Create a folder in **htdocs** folder called **webproject**.
7. Make a new **index.php** in Notepad++, and save it inside your **webproject** folder. Your home page **must** be called **index.php**
8. Make a new **main.css** in Notepad++ and save it in css folder.
9. Make a new **script.js** in Notepad++ and save it in js folder.
10. Embed a **bootstrap** into your webpage.

11. Name your other Web pages whatever you like, being sure to end the file name in ".php".
  12. Complete the coding of the Web site according to the **Requirements** listed above.
  13. Save and test the pages frequently as you work.
  14. Test all your pages in the appropriate validators, linked above.
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## D. HTML Skeleton

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.css">

    <title>Bellingham Hotel</title>
  </head>
  <body>

    <?php
      $title = "Bellingham Hotel";

      echo $title;
    ?>

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"></script>
```

```
<scriptsrc="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.js"></script><scriptsrc="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.js "> </script></body></html>
```

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### E. PHP Skeleton

```
<?php
    $title = "Bellingham Hotel";

    echo $title;
?>
```

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### F. TO OPEN YOUR HOME PAGE ON YOUR BROWSER

1. Open your web browser on your computer
  2. Your URL should be <http://localhost/webproject/index.php>
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### G. Turn in Your Work

The project is due at the date and time shown on the course schedule. Late projects will be subject to a penalty of 20 points per 24 hours.

Submit your project **URL** and a zip file (**webproject.zip**) to Canvas. Export your **sql** file from the phpMyAdmin database and zip it with the website files.

NB. You get the opportunity to get your website uploaded and hosted for a quarter on <http://www.csci202.com/winter19>

## Rubric

Criteria		Ratings	Points
Layout		Ful Marks 5.0pt	5.0pts
CSS Flexbox		Ful Marks 5.0pt	5.0pts
CSS Variables		Ful Marks 5.0pt	5.0pts
Colors		Ful Marks 5.0pt	5.0pts
Images		Ful Marks 5.0pt	5.0pts
Bootstrap		Ful Marks 5.0pt	5.0pts
Links		Ful Marks 5.0pt	5.0pts
Form (validated)		Ful Marks 10.0pt	10.0pts
Responsive pages		Ful Marks 5.0pt	5.0pts
Photo Gallery <i>with Lightbox/ Fancy box</i>		Ful Marks 10.0pt	10.0pts
Slide show		Ful Marks 5.0 pt	5.0 pt
JavaScript – Cool Effect		Ful Marks 10.0pt	10.0pts
PHP Include/ Required		Ful Marks 5.0 pts	5.0pts
MySQL Database		Ful Marks 10.0pts	10.0pts
Presentation		Ful Marks 10.0 pts	10.0pts

**\*Text (No Lorem Ipsum)**