

COMP229 – Advanced Web Application Development

Assignment 1

ASP.NET Web Forms Portfolio Site

Due: Friday, September 30, 2016 @ midnight

Value 10%

ASP.NET Web Forms Portfolio Site

Maximum Mark: 57

Overview: Create an ASP.NET Web Forms Portfolio site. Your site must include a **Home Page** (Landing Page), a **Bio Page** (About Me), a **Projects page**, a **Services page** and a **Contact page**. You must create your site from scratch (i.e. do not use one of the built-in or downloaded templates). Your site must be hosted live on **Microsoft Azure** or the school server.

Instructions:

This ASP.NET site must include 5 pages for your Personal Portfolio, at least two master pages that include a basic page structure and main navigation – **(20 Marks GUI, 13 Marks: Functionality, 8 Marks: Content, 4 Marks: Site Structure, 4 Marks: Internal Documentation, 4 Marks: Version Control, 4 Marks: Cloud Hosting)**

1. Your **Home page** (Landing Page) should include the following components **(3 Marks: GUI, 2 Marks: Content, 1 Mark: Functionality)**:
 - a. A unique company logo (1 Mark: GUI, 1 Mark: Content).
 - b. Your Landing page should include a “Hero” Image or Banner (you may use a Bootstrap Jumbotron if it works) that gives your site an interesting look and feel (1 Marks: GUI, 1 Mark: Content).
 - c. Two **Images** that link to the **Projects** and **Services** Pages of your site respectively (1 Mark: GUI, 1 Marks: Functionality).
2. Your **Bio Page** (About Me page) should include the following components **(3 Marks: GUI, 3 Marks: Content)**:
 - a. A current image of you. No Avatars! (1 Mark: GUI, 1 Mark: Content).
 - b. A **Personal Tagline** and **your mission statement**. Your tagline should be short and snappy, summarizing what you do. Your mission statement includes at least 3 reasons for doing what you do. (1 Mark: GUI, 1 Marks: Content).
 - c. A condensed **bio section** that includes **highlights from your latest CV** and a bit about you (1 Mark: GUI, 1 Mark: Content).
3. Your **Projects page** should include the following components **(1 Marks: GUI, 1 Marks: Content, 1 Marks: Functionality)**:

- a. At least **3 Images** representing your **current projects** and / or **assignments** (1 Mark: GUI, 1 Mark: Content).
 - b. When the user **clicks** on the **project images** they can either link to their location on **GitHub** or a separate sub-page of your site that includes details of the project or **previous work** that you have done for other courses and / or clients (1 Mark: Functionality).
4. Your **Services page** should include the following components (**1 Marks: GUI, 1 Mark: Content**):
 - a. A Services Section that includes related images and text of the services you offer. Your tagline summed up what you do, but you'll want to go into a bit more detail here about each service that you offer. Make it **clear**, and break it down: **Web design, development, video, copywriting, branding**, etc. (1 Mark: GUI, 1 Mark: Content).
5. Your **"Contact Me" page** should include the following components (**5 Marks: GUI, 1 Mark: Content, 4 Marks: Functionality**):
 - a. A **"Contact Info" Section**. Include your email address, work address and contact number(s). Any **phone numbers** should be formatted to allow the mobile device to dial out (1 Mark: GUI, 1 Mark: Content).
 - b. A **"Keep Connected" Section**. Include at least 3 social media links / icons here (e.g. Facebook, Instagram, Twitter, YouTube, etc.) (1 Mark: GUI, 1 Mark: Functionality)
 - c. Include a short form that asks the user for their contact information (e.g. **Name, Contact Number and Message** and a **Send Button**). When the user clicks on the **Send button**, the form will take the user back to the Landing Page. The form does not have to work for this assignment (3 Marks: GUI, 3 Marks: Functionality).
6. Your Portfolio site will use **ASP.NET Web Forms** and your web pages have been split to use two or more Master Pages and uses a common **navbar** (**7 Marks: GUI, 7 Marks: Functionality**):
 - a. Your site should include at least 2 Master Pages – one for your **Home Page** and one for your **Contact Me** page. **Note:** You may include additional Master Pages as needed to accommodate other site pages (4 Marks: Functionality, 4 Marks: GUI).
 - b. Build a common **navbar** to use throughout your web project (each page should include it). You will code this navigation bar within your Master pages. Your navbar will provide links to each page in your portfolio site. (2 Marks: Functionality, 2 Marks: GUI)
 - c. A **page footer** that includes your **copyright Statement** (1 Mark: Functionality, 1 Mark: GUI).
7. Your site files will be placed in your **Assets, Content** and **Scripts** folders (**4 Marks: Site Structure**):
 - a. Your **JavaScript, CSS and Multimedia Asset Files** should be moved to separate folders (Scripts, Content and Assets folders). Using the Twitter Bootstrap CSS framework is strongly recommended, though not required (3 Marks: Site Structure).
 - b. All Your Code (HTML, CSS, JavaScript, C#, etc.) is error free (1 Mark: Site Structure).
8. Include **Internal Documentation** for your site (**4 Marks: Internal Documentation**):
 - a. Ensure you include a **comment header** for your **HTML, CSS, JavaScript and C# files** that indicate: The **File name, Author's name, Student ID, and Creation Date** (1 Marks: Internal Documentation).

- b. Ensure you include **section headers** for all of your **HTML structure, CSS style sections,** and any **JavaScript functions** and/or **C# Methods** (1 Marks: Internal Documentation)
- c. Ensure all your code uses **contextual variable names** that help make the files human-readable (1 Marks: Internal Documentation).
- d. Ensure you include **inline comments** that describe your GUI Design and Functionality.
Note: Please avoid “over-commenting” (1 Marks: Internal Documentation)
- 9. Share your files on **GitHub** to demonstrate Version Control Best Practices and push your site to a cloud host (**4 Marks: Version Control, 4 Marks: Cloud Hosting**).
 - a. Your repository must include **your code** and be well structured (2 Marks: Version Control).
 - b. Your repository must include **commits** that demonstrate the project being updated at different stages of development – each time a major change is implemented (2 Marks: Version Control).
 - c. You must deploy your site to your Cloud Server using **git** (4 Marks: Cloud Hosting).

Optional Site Features (i.e. Potential Bonus Marks).

- A. Create a working **contact form** on the Contact Me page using **ASP.NET** and any appropriate NuGet packages (4 Bonus Marks).
- B. Host Your Site on Microsoft Azure (4 Bonus Marks).

SUBMITTING YOUR WORK

Your submission should include:

- 1. A zip archive of your website’s Project files
- 2. A link to GitHub.
- 3. A link to your live portfolio site hosted on the school server or Microsoft Azure (Bonus)

Feature	Description	Marks
GUI / Interface Design	Display elements meet requirements. Appropriate spacing, graphics, colour, and typography used.	20
Functionality	Site deliverables are met and site functions are met. No errors, including submission of user inputs.	13
Content	Your site content is well organized and does not include any spelling errors. Grammar has also been checked so that the messages are clear and concise. Any images that are included are sharp and proportioned appropriately.	8
Site Structure	Well organized site files. Separate HTML and CSS. Appropriate links to external documents and code. Code is error free.	4
Internal Documentation	File header present, including site & student name & description. Functions and classes include headers describing functionality & scope. Inline comments and descriptive variable names included.	4
Version Control	GitHub commit history demonstrating regular updates.	4
Cloud Deployment	Deploy site to Cloud Service.	4
Total		57

This assignment is weighted **10%** of your total mark for this course.

Late submissions:

- 20% deducted for each day late.

External code (e.g. from the internet or other sources) can be used for student submissions within the following parameters:

1. The code source (i.e. where you got the code and who wrote it) must be cited in your internal documentation.
2. It encompasses a maximum of 10% of your code (any more will be considered cheating).
3. You must understand any code you use and include documentation (comments) around the code that explains its function.
4. You must get written approval from me via email.