

ASSESSMENT 1

ASSIGNMENT 1 – CASE STUDY

Assignment 1	Web Site Development Using Validated HTML5, CSS and JS
Due date	5.00 PM, 19th April, 2020
Weighting	60%

You are required to write HTML and CSS code yourself. You may be asked to explain the code that you submit.

Goal:

To apply knowledge of HTML mark up, CSS styling, DOM manipulation and JavaScript in the development of a small web site, including forms for data input by the user

Overview:

For this assignment you will develop a small website for a lodging business. The website will consist of 5 pages

- The home page that is intended to be the main entry point to the site
- The room types page that provides information about the types of rooms available and the kind of amenities available in each type of room, and the per night price of stay.
- The booking page in which a customer provides their details, room selection and dates for which they want to make a booking.
- An about us page that provides user with some background information about the business, has contact information and has a small form for sending comments and questions to the business.
- A things to do page, where you provide information about what first time visitors can do in Hamilton

You will need to invent content for some of the pages. In places where you can't think of any reasonable content, you can use the text generator at www.lipsum.com to generate dummy content.

Your implementation will require use of the following:

- Validated HTML5
- Validated CSS
- Javascript

Details

1. The home page

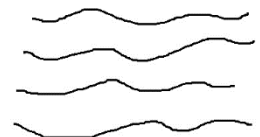
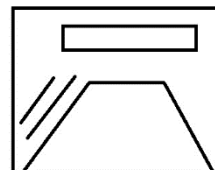
This will include overview information about your business, and links to other pages. It must include

- A logo (you can create your own, or download/create one for free from the web – a web search for 'free web logo creator' and variants will find lots of sites that allow you to do this).
- Links to the other pages in the site
- The RoomType link will have a drop down menu which contains links to all the three types of room. When you click on any one of them, then it will take you to that specific part of the page. Same should happen for ThingsToDo link.
- A slideshow container showing various images.
- Some text describing the business and its services
- Some text describing how to reach the motel from 2 prominent landmarks in the city You can add other content if you wish.

2. The Room Types page

This will present information about 3 types of rooms. A studio, a one bedroom unit and a 2 bedroom unit. It will contain

- For each room type there will be an image of the room (You can find free stock images at websites such as www.freeimages.com. Read their licenses and abide by them), a description of the amenities available and the per night price.
- The sketch indicates how each room description should be laid out. The text will appear to the right of the image.



3. The booking page

This page provides a form where the user can enter their details. This information includes

- Title (drop-down list containing three options: Ms. , Mr., Mrs.)
- User's First name
- User's Last name
- User's email address (use the email type) [Note: when the user start typing the email address, a message should appear on the right-hand side " Email must be correct as it will be used to send booking confirmation"]
- User's contact number
- Room type (drop–down list)
- No. of Rooms (drop–down list)
- Two drop down lists for selecting number of adults and children [You can display a note indicating the maximum no. of adults and children allowed per room]

- Start and end dates of the reservation period (use date type)
- Estimated Time of Arrival [This only becomes visible after the user has entered the start and end date]
- A checkbox for whether breakfast is needed.
- When the user has selected a room type and entered the start and the end dates, you also need to display the total cost of stay somewhere on the page which is immediately visible to the user. If the user selects breakfast, then the cost of breakfast for each person for each day should be added.
- Two buttons: Confirm Booking and Reset. The form can be reset to initial state via a Reset button.

4. The about us page

This will contain full contact information for the business (address).

It will also contain a Google Map that shows the physical location of the business. Follow the instructions at <https://support.google.com/maps/answer/3544418?rd=1> to create and add the map.

In addition, it will contain phone no., Email, Fax and links to social web pages.

5. The things to do page

The page should list 4 items for things to do in and around your city. Each item must have an image and a few lines of description.

6. For all pages

The logo should appear at the same place in all your pages and should be a clickable link. Clicking the logo on any page should take you to the main page.

Other requirements:

CSS

Use one or more CSS files to control the presentation and layout of your site's pages.

Comments

Include appropriate comments in all your HTML, CSS and Javascript files.

Validation

All HTML must validate as HTML 5. All CSS must validate as CSS3.

Use the following validation tools:

<https://validator.w3.org/nu/>

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

Third party content

If you include third party content in your site (such as images, artwork etc) you must ensure that you comply with any licensing restrictions that apply to the content you have used

If the license of the content requires the source to be acknowledged then the acknowledgment must be visible in your web page, otherwise include the details of the source as a comment in the HTML of the page.

Do not link to the original location of an image. Download the image and use your copy.

Folder Structure

Organize your resources by using folders. All HTML goes in one folder, CSS in a separate folder, images in a separate folder, Javascript files in a separate folder and link the resources in your HTML files appropriately. If you are using other resources, make sure you create a separate folder for each resource type. Your index.html file (The main/landing page), should be outside of the folder structure.

What to submit:

All of your material for this assignment must be submitted electronically using Moodle.

Create a folder with a name of the form **COMP602-A1-FName**. Place all files and folders for your web site inside this folder. Create a ZIP archive of this folder so that you end up with a file with a name of the form **COMP602-A1-FName.zip**. Submit this ZIP archive via Moodle.

NOTE: your site should work 'as is' when unzipped from your ZIP archive, without any modification. You should check that this is the case by unzipping your archive and *testing the site yourself*, in the lab or any other computer before submission.

Marking Guide

Validation and Folder Structure	
Validated HTML (proper indentation/layout and commenting of HTML code)	15
Validated CSS (proper indentation/layout and commenting of CSS code, and use of appropriate selectors)	10
Sensible folder structure to organise site resources	5
	30
Webpage meets functional requirement	
Home page	15
Room types page	5
Booking page	25
About us page	10
Things To do page	5
	60
Miscellaneous	
Consistently logo icon redirects to HOME page	3
Photoshop images	7
	10