COMP.6210

Test Plan for Assignment 2

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# Test Plan

This document provides a comprehensive Test Plan with information about the construction and functionality of the website I have created for the COMP.6210 Assignment 2, named Tech Inspect. The goal of this document is to provide test questions to ascertain whether the website is fully functional, dynamically driven via a database, and uses the MVC framework.

Q1.

Does the website resemble the design document from assignment 1?

A1.

Yes this Website matches the design document from assignment one, however there are some changes including the addition to the products section.This section required a new database table called products with several fields. This section dynamically displays all the products and allows the user to search for a product. Once they have found the product that they want they can click on it and the website will open up that product in a new dynamic page displaying a picture of the product with all its information.

Q2.

Is the website responsive?

A2.

Yes the website is responsive/fluid. Boxes and content move adjust themselves automatically depending on the screen size. The new dynamic pages are also responsive, however I had problems with getting the CSS to work in the later stages of the assignment which I saw to my tutor about ande has told me to do my best without adding new CSS which i have done.

Q3.

Is the website database driven?

A3.

Yes the website is database driven. The website is based on MVC framework, it uses this framework to access data from the database and display it to the user in the appropriate view. There are some problems loading the sql statements tho, they don't all load at once you have to load each table individually then load the data into each table in order for the website to initially load. But once the database is up and running everything runs smoothly and the content is delivered from the database not statically.

Q4.

Do all  the forms work properly and do the have sufficient validation, moderation and use a mixture of php and javascript to protect from code injection?

A4.

Yes , all the forms work correctly. There are 3 forms, a comment form, a contact form and an appointment request form. The comment form uses javascript to make sure all the fields are filled out then the php uses the bind function to protect the database from code injection. Once the comment is submitted it will enter the database as not validated by default, to validate it the admin person must manually change this in the database for the comment to be loaded when the page is called upon. The comment and appointment request form have similar validation where all the fields must be filled in. The firstname and lastname and name fields must only contain letters. The phone number must only contain numbers, and the email address must be valid and contain the @ symbol and a full stop. Once the fields are all filled out correctly the $\_post function passes the parameters to the model to be stored into the database. The model has protection from code injection by also using the bind function.

Q5

Are all the pages dynamically driven?

A5.

All the content is delivered from the database however not every page is dynamically driven. Only the necessary pages are dynamically driven due to the fact that not every page needs to be dynamic. The dynamic pages were added in by direction of my tutor Jeff to cover the dynamic aspect of the assignment.