Web Development CA2



Part 2 : Report

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Introduction

The website we chose to create for CA2 is a website called Sourced Soles. Sourced Soles is the brand name for the online store we chose to create. Sourced Soles is an online store which sells high end hard to find ‘runners’ or ‘sneakers’. We also provide the option for our customer to request for us to ‘source’ a pair for them which may be hard to find. This is a very specific area and due to this we had to do a lot of research on our target audience and other similar sites in the same market. A lot of thought went into the planning and design of the website before we even started to programme. You can see some information about the process of part 2 of designing our website.

Goal of part 2

The goal of part two of this project was to add server side /dynamic functionality. From here we had the task of taking our static website and adding dynamic functions. This first involved constructing a set of tables to hold the data for our website. We needed tables for Products, users and also the different category of products too. We also had to add in dynamic functions to add a log in, and also give admins the option to add update and delete products. Below we have outlined some of the problems that we faced along the way and how we resolved them.

Team Contribution

While designing our website we would pair programme. This meant that no one person would have done all the work in a particular aspect of the website and also meant we were able to learn from each other. We feel that we all had an equal part to play in each part of the website. Each team member has contributed something to each aspect of the website.

Problems/ errors we encountered

During part 2 of this project we encountered many different errors and problems. Below we have outlined some of the most troublesome errors that we faced.

Problem 1.

An error which was intermittent during the course of part 2 of this project was no data showing in the database. When we would re-build the project and run it again or take a new version from bitbucket and run it for the first time, no data would show. The products page would be blank and we were puzzled. A temporary fix we would use for this was to run our sql files manually in the h2-browser but this was only a temporary fix not a solution. Eventually we realised that the problem was that the order of inserting the data into the tables in our ‘sql2’ file was incorrect. No data was populating because the products were being inserted before the categories and this was a problem because each product has a category and you cannot give a product a category that hasn’t been created yet. To fix this we simply moved the inserts for category to be executed before the products inserts and this solved out problem. This problem wasted a lot of time for us and when it was fixed we were able to worry about more important aspects of the site and get other things done more efficiently.

Problem 2.

This is a problem that we could not fix before submitting our final version of the project to bitbucket. Any time we run the project now we encounter no compilation errors, but there is still something that does not quite work. When you log in as an admin and try to add a product there is no errors and when you submit the form to add a product it will submit the form with no errors also. The only problem we have with this aspect of our site is that after you submit the add product form and are told it was successful, the new product is nowhere to be seen. We tried lots of things to fix this and we could not find a solution. We referenced back to Enda’s lab sheet for create and delete and we could not see any problem with our code. We spent a lot of time and effort trying to fix this problem and unfortunately it is still present.

Final Website

Below we have outlined which dynamic features do and do not work in our final version of the project.

The features which do not work in our final version of the project are the below. As outlined above there is no errors while submitting a new product but new products are not visible. Another feature which does not work is that when we upload images in add product or in update product these images do not show. We had not enough time to eliminate this problem as a lot of our time was spent trying to fix the other problem.

All the rest of the dynamic features work in our website. They are as follows. Our delete product function works. Our update product also works. Our log ins work also. We also made sure that add product, delete product and update product are only visible to someone that is logged in as an admin. All of those dynamic features are fully functioning on our website.