

Group Project

Task 2: Software Demonstration and Project Report



Online Supermarket

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3 Abstract

Group Projects can prove to be a great experience as well as an unpleasant one. With the correct mindset and management skills, a project can path towards success. This consists of working together with your team members. You will learn about your team members' strengths, weaknesses, experience, and knowledge.

The case study for this Group Project suggests a shopping application to facilitate the service of online shopping. Where the user (customers) will be able to see a list of products and compare with others. Each product consists of a picture and a description.

The case study also lists the possible individual components:

- A customer can register online and create an account before purchasing of goods.
- Customers can add products into their basket.
- Customers will be allowed to choose an appropriate payment method where the supermarket will connect with the bank for the transaction. The transaction can fail if the customer has insufficient funds in their account.
- Stock status will change if payment from the customer is made.
- Automatic order is made to the supplier if the stocks are low based on a given threshold.
- Reports for sales and popularity of products are generated.

The list of possible individual components gave us a clear understanding of what is expected from the solution. Based on the skills and experience in our team, we decided to implement most of these components and add more if possible.

For our project, we made use of an online website builder, *WordPress*. This helped us develop a website using a template and manage its database. *WordPress* is written in *PHP* where its component can be manipulated using *HTML*, *CSS*, and *JSS*. Furthermore, its database is paired with *MySQL* making it easier to manage and make queries.

We made use of *Blackboard's* component *File Exchange* to share our work and view them for improvements. All sudden announcement was posted in our personal *WhatsApp* group.

The accomplished implemented features were:

- Login/Registration.
- Items displayed through categories.
- Items can be filtered based on price range and categories too.
- Each item includes its page with its description.
- Reviews.
- Add/ Remove items from the basket.
- Quantity change for products on the basket.
- Item suggestions during check out.
- Coupons can be applied during check out.
- Direct Bank Transfer or PayPal payment options.
- Billing Form during checkout.
- Users can make payments.
- Search Feature.
- Full Admin Panel.
- Social Media external links.
- Contact Information.

Here are the features we plan to implement in the future:

- Item Comparison.
- Brand pages where all items with the same brand will be displayed together.
- Special Offer page.
- Referral Programme.

4 Project Team

At our first meeting, we had a long discussion on how to split the work. Our team included members who have designed and developed a website in the past. As well as members that were great with managing and planning projects. Eventually, we decided to separate the work based on what's comfortable for each member. This is how it follows:

Samig Sherchan- Project Manager and Team Leader

- Create Agenda for meetings.
- Update PowerPoint.
- Create a Report
- Create Backlog.
- Record Minutes from the meetings.
- Provide support for team members.
- Project Description.

Aminata- Project Manager and Front-End Developer

- Create Agenda for meetings.
- Update Backlog.
- Record Minutes from the meetings.
- Allocate the task to each member.
- Designs for the website.
- Provide support for team members.

Thierno Bah- Front-End Developer and Back-End Developer

- Designs for the website.
- Project Description.
- Develop Back-End of the website.
- HTML/CSS/JS Developer.
- Graphic Designer.
- Add/Remove Items to/from the basket.
- Search function.
- Reviews function.
- Login and Registration.
- Database Management.
- Suggestion and Coupon function.

Fahimul- Back-End Developer and Diagrams Developer

- Gantt Chart.
- Critical Path Analysis.
- Provide User Requirements for PowerPoint.
- Payment System.
- Login and Registration.
- Database Management.

Kevin- Front-End and Back-End Developer

- HTML/CSS/JS Developer
- Product Images.
- Product Categories.
- Product Description.
- Payment System.
- Login and Registration.
- Database Management.
- Designs for the website.
- Graphic Designer

5 Introduction

DWF (*Don't Waste Food*) is an online supermarket that allows users to view and purchase food that is about to expire or thrown to waste. The purpose of this project is to reduce food wastage which occurs every day and to reduce poverty as not everyone can afford food daily. This project will collaborate with major supermarkets who will provide the stock for our products.

The project includes five key members who all have roles distributed based on experience and comfort. Two members will mainly be focusing on project management and the other three members will be mainly focusing on developing the actual website. The development of the website includes both front-end and back-end. Project managers also help with certain tasks on the website development.

All tasks were scheduled to a certain completion date based on its difficulties. However, our development team didn't hesitate to make an early start. They had already made designs and developed a few pages of their own. Furthermore, this also gave us time to focus on the database and back-end development. Apart from development, there were difficulties with creating diagrams like *Gantt Chart* and *Critical Path Analysis*. Eventually, this was solved by working on it together.

We usually had project meetings at the library regularly until the coronavirus outbreak prevented us from further meetings. Fortunately, we took our meetings online using *Zoom* which allowed us to make a group video call. Our online meetings weren't responsive as our live meetings so there were difficulties with feedback on some tasks.

Overall, this project has helped us learn new skills that can help us in the future. We learned programming languages, management skills, and cooperation. It challenged us to the best of our abilities and helped us improve on our weaknesses. We also learned some new lessons which we will apply in our future endeavour.

6 Project Requirements

We created our project requirements based on the case study description:

A supermarket requires a shopping application to facilitate the service of online shopping, and the management of the goods' stock status and the online payment in the purchasing. The software should provide the following functions:

Core:

A customer can see a list of goods and compare the goods from different manufacturers with different brands and choose their favourite one by seeing the pictures and the brief description of the features of the goods.

Possible Individual Components:

1. A customer can register online with the supermarket to create an account before they can purchase goods by online shopping in the first time.
2. After choosing the goods, the customer can move the goods to the shopping e-cart/e-basket. When the customer change mind before making the payment, the goods can be put back from the e-cart/e-basket.
3. After the customer completes choosing the goods for the shopping, he/she needs to make the payment to complete the purchasing process.
4. In the processing of making online payment, the customer needs to enter the payment method and details, the supermarket connects to a bank in order to make the transaction. The transaction may be declined if the customer does not have sufficient funds at his/her account. For this component, an actual payment is not mandatory, but it is expected to record purchases in an appropriate manner.
5. After the goods have been paid, the supermarket changes the stock status of the goods by reducing the stock number.
6. When the amount of the goods in stock falls below a given threshold, an order will be automatically placed with the supplier with the predetermined number.
7. The marketing department of the supermarket keeps track of the goods' sales information and generate the monthly report about the sales statistics and popularity of the goods.

These components helped our team understand how the users will interact with the website application and how we will manage it. It'd be inappropriate to implement these components as one huge task. So, we decided to take the *Divide and Conquer* approach splitting the task into a group of smaller tasks. This approach is far easier, and we will be able to complete our tasks efficiently.

The task was split for each page where appropriate. For example, the homepage will display introductory contents while the basket page will display products and payment contents.

1. Home
 - a. Display Induction Contents.
 - b. Display Best Selling Products.
 - c. Display New Arrival Products.
 - d. Display Categories of Products
 - e. Display External Links, Contact Details and Tags.
2. Shop
 - a. Display all products with their Prices, Picture, and Categories.
 - b. Display Sorting tab which allows users to sort the list of products how they would like to.
 - c. Display the Filters tab which allows us to filter all the products and hide unwanted products.
 - d. Display Top Rated Products.
 - e. Display External Links.
 - f. Add to Basket.
3. Item Details
 - a. Display Product Name and Description.
 - b. Display Product Images.
 - c. Display Quantity and Add to Basket.
 - d. Display Reviews.
 - e. Display Related Products with similar food categories.
4. Basket
 - a. Display Products added to the basket.
 - b. Apply Coupon Code.
 - c. Display Basket Total
 - d. Display Products that the user may like.
 - e. Display Billing Address, Order and Payment Method.
5. Login/Register Account
 - a. Display Login and Register
 - b. Display Account Dashboard.
6. Contact Us
 - a. Display Contact Details.
 - b. Display Contact Form.
7. Database/Tables/Queries

7 Project Plan [Samig, Aminata, Fahimul]

7.1 Backlog [Samig, Aminata]

Group Backlog								Group	2	
Task No.	Date	Task Name	Task Description	Priority	Assigned to	Due Date	Completed	Uploaded	Reassigned to	Notes/ Tools and Languages
1a	07-Feb	Create Minutes	Record the meeting in the minutes for Meeting 1.	Medium	Samig	07/02/2020				Microsoft Word
1b	07-Feb	Create Agenda	Create an agenda for Meeting 2.	Low	Samig	09/02/2020				Microsoft Word
1c	07-Feb	Allocation	Allocate task to each members	High	Ami	07/02/2020				Microsoft Word
1d	07-Feb	Backlog	Update the backlog	High	Ami	07/02/2020				Microsoft Excel
1e	07-Feb	Plan Requirements	Requirements for: -Users -Back End -Front End -E-commerce	High	All	10/02/2020				
1f	07-Feb	Create Gantt Chart	Create a Gantt Chart using Microsoft Project	High	Fahim	11/02/2020				Microsoft Project
1g	07-Feb	Table of contents	Create table of contents	Medium	Kevin and Ami	14/02/2020				Microsoft Word
1h	07-Feb	Project description	Presentation of the project which will be included in the Powerpoint, give other team members details about the overall project	High	Thierno and Samig	14/02/2020				Microsoft Word, PowerPoint
1i	07-Feb	Powerpoint	Create a powerpoint to upload on 1st March 2020	High	All	01/03/2020				Microsoft PowerPoint
1j	07-Feb	Create CPA	Create a Critical Path Analysis for the Project	Optional	Fahimul	17/02/2020				

Figure 7.1.1

Task No.	Date	Task Name	Task Description	Priority	Assigned to	Due Date	Completed	Uploaded	Reassigned to	Notes/ Tools and Languages
2c	13-Feb	Create Agenda	Create an agenda for Meeting 3.	Low	Samig	13/02/2020				Microsoft Word
2d	14-Feb	Create Minutes	Record the meeting in the minutes for Meeting 3.	Medium	Ami	17/02/2020				Microsoft Word
2e	14-Feb	Create Agenda	Create an agenda for Meeting 4.	Low	Ami	21/02/2020				Microsoft Word
3a	17-Feb	Design	Design of: -Layout of the Website -Databases & Tables -Interactive features of the website -Login system	High	Thierno and Ami	24/02/2020				Draw.io
3b	21-Feb	Create Minutes	Record the meeting in the minutes for Meeting 4.	Medium	Ami	22/02/2020				Microsoft Word
3c	21-Feb	Create Agenda	Create an agenda for Meeting 5.	Low	Ami	28/02/2020				Microsoft Word

Figure 7.1.2

Task No.	Date	Task Name	Task Description	Priority	Assigned to	Due Date	Completed	Uploaded	Reassigned to	Notes/ Tools and Languages
4a	24-Feb	Develop Front-End of Website	Develop: -The layout of website with HTML/CSS -Add features with Javascript -Bootstrap & FontAwesome	High	Thierno and Ami	09/03/2020				WordPress
4b	24-Feb	Develop Back-End Website	Development of: -Login System using PHP -Develop SQL	High	Thierno, Kevin, Fahimul	09/03/2020				WordPress, phpMyAdmin
4c	28-Feb	Create Minutes	Record the meeting in the minutes for Meeting 5.	Medium	Samig	29/02/2020				Microsoft Word
4d	28-Feb	Create Agenda	Create an agenda for Meeting 6.	Low	Samig	06/03/2020				Microsoft Word

Figure 7.1.3

5a	06-Mar	Create Minutes	Record the meeting in the minutes for Meeting 6.	Medium	Ami	07/03/2020	20/03/2020		Microsoft Word
5b	06-Mar	Create Agenda	Create an agenda for Meeting 7.	Low	Ami	13/03/2020	21/03/2020		Microsoft Word
5c	09-Mar	Testing	Testing: -Main Website -Login/Register System -E-commerce Features	High	Samig and Ami	13/03/2020	08/04/2020		Microsoft Word
5d	09-Mar	Evaluation	Evaluating the website with the user.	High	All	13/03/2020	15/04/2020		Microsoft Word
5e	13-Mar	Create Minutes	Record the meeting in the minutes for Meeting 7.	Medium	Samig	13/03/2020	17/04/2020		Microsoft Word

Figure 7.1.4

6a	13-Mar	Create Agenda	Create an agenda for Meeting 8.	Low	Samig	20/03/2020			Microsoft Word
6b	13-Mar	Report	Create a report for the project	High	All	27/03/2020			Microsoft Word
6c	20-Mar	Create Minutes	Record the meeting in the minutes for Meeting 8.	Medium	Ami	21/03/2020			Microsoft Word
6d	20-Mar	Create Agenda	Create an agenda for Meeting 9.	Low	Ami	27/03/2020			Microsoft Word
6e	27-Mar	Create Minutes	Record the meeting in the minutes for Meeting 9.	Medium	Samig	28/03/2020			Microsoft Word
6f	28-Mar	Software Demo Clip	Record a clip together with group members for Software Demo	High	All	01/04/2020			Zoom

Figure 7.1.5

This is our group backlog will be used to record completion of our tasks and It will be updated after each meeting. The backlog includes the attribute *Priority* which will make sure our team members work on the task with the most priority. *Priority* can be displayed with colours; *Low (Blue)*, *Medium (Yellow)*, *Red (High)*, and *Optional (Green)*. Another feature it includes is the *Completion Date*. If the actual completion date is past the due date, then it will display a red colour else it will display green colour if the task is completed before the due date. If the task cannot be completed by a team member it can easily be reassigned to another team member. The completed backlog will be included in the *Evaluation* stage.

7.2 Gantt Chart [Fahimul]

Gantt chart is a bar chart that displays project schedules graphically. It is a great way of keeping your task up to date and meeting its deadlines.

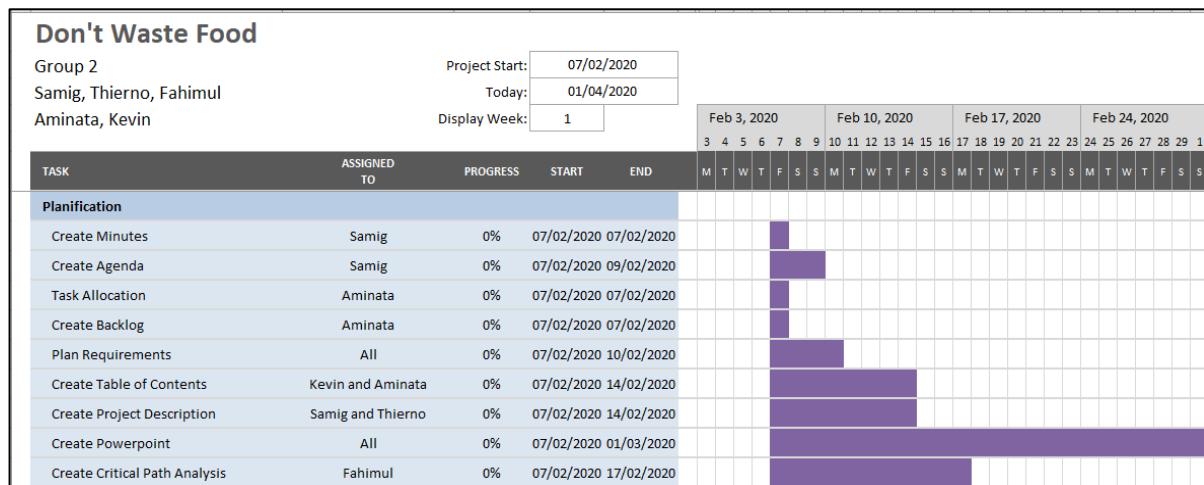


Figure 7.2.1

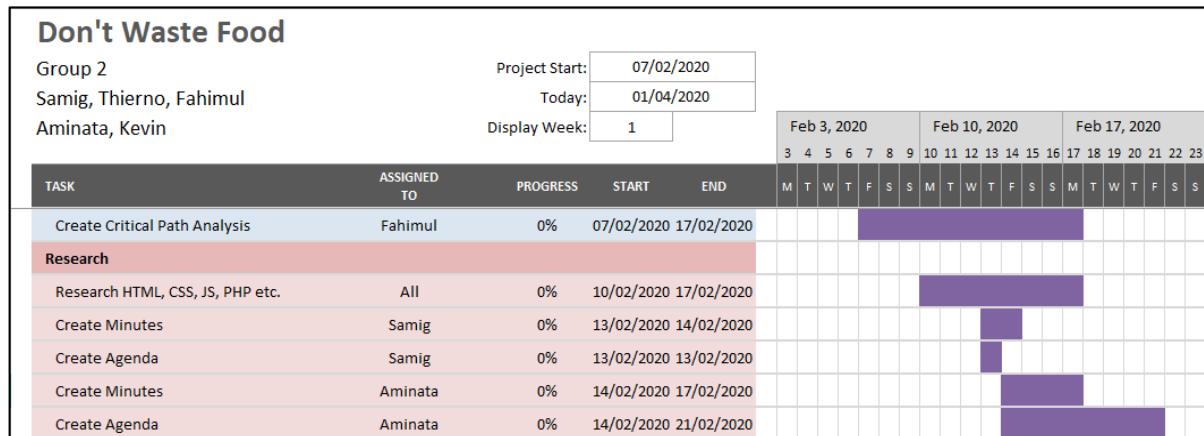


Figure 7.2.2

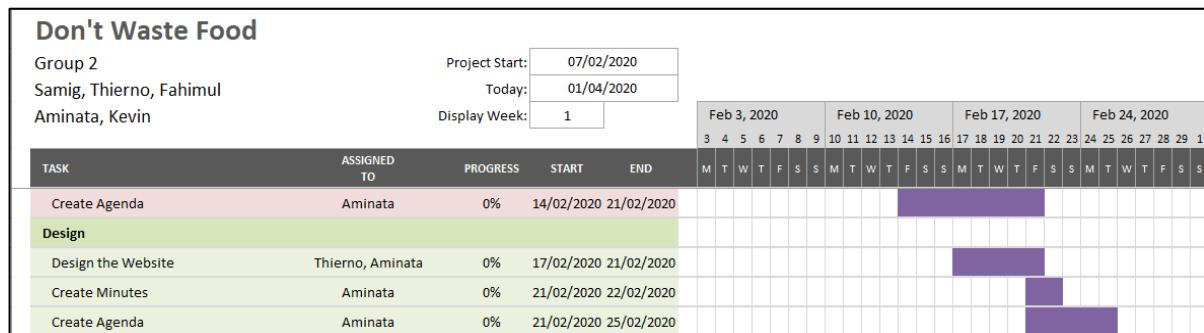


Figure 7.2.3

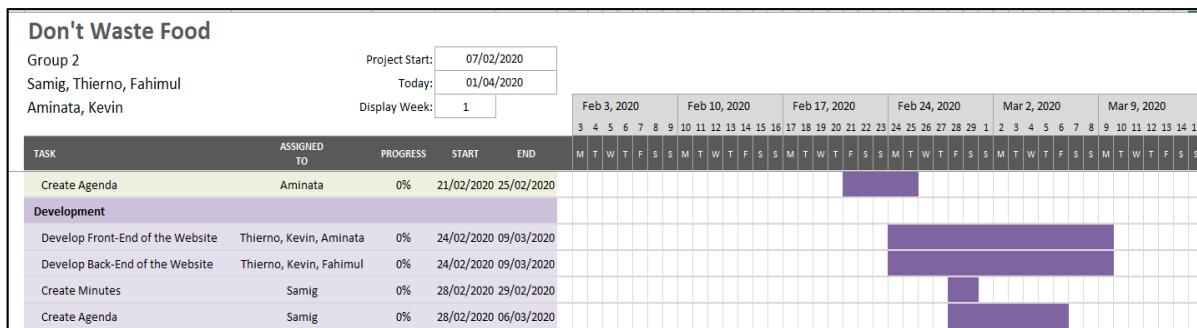


Figure 7.2.4

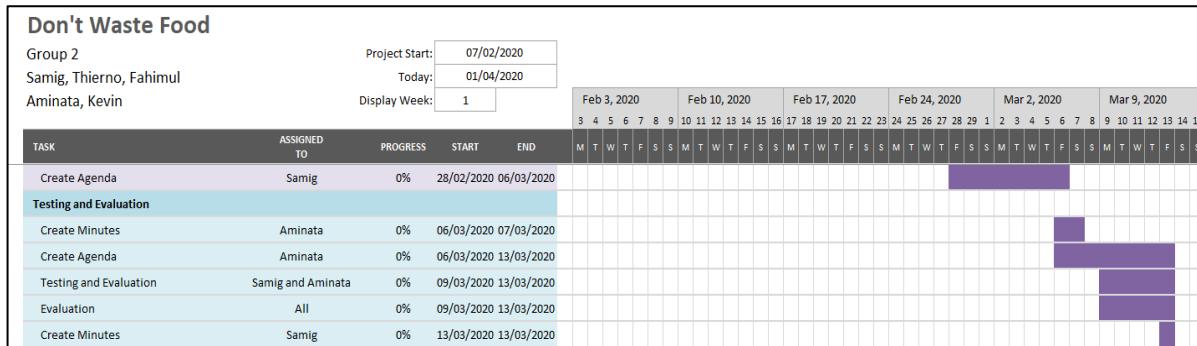


Figure 7.2.5

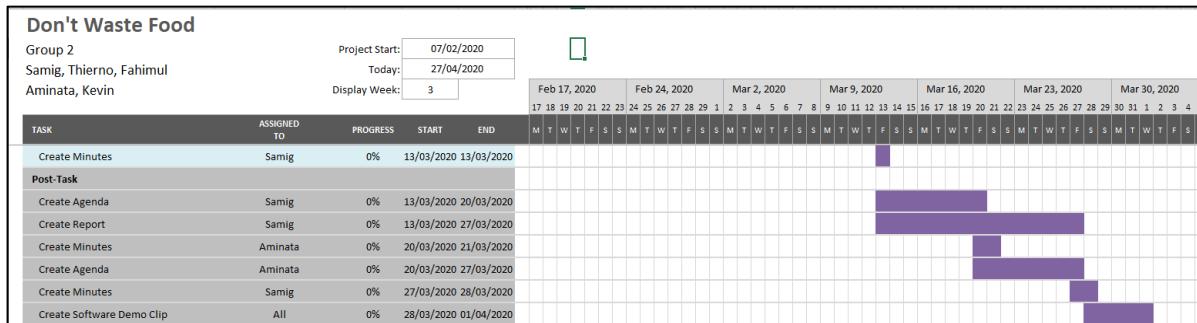


Figure 7.2.6

These figures represent our Gantt chart which includes key fields such as task name, progress, start and end date. The progress will initially begin at 0% and it is expected to reach 100% each week. The bars will be fully purple at 0% and will turn grey depending on the progress. So, if the progress is 100% the whole bar will turn grey. In this section, we will only display the Gantt Chart at 0%. The red vertical lines indicate a target date which can be modified at 'Today' which is on the default to 01/04/2020. The purpose of this is to compare all the progress before the target date. The updated Gantt Chart will be displayed at the Evaluation section 12.2.

7.3 Use Case Diagram [Samig]

Use Case Diagram is a graphical representation of how the system reacts to user interaction. There are two types of users in this case; customer and admin. Customers will be able to interact with the main website e.g. adding items to the basket. Admin will access that can modify the main website e.g. removing items from the database.

Customer:

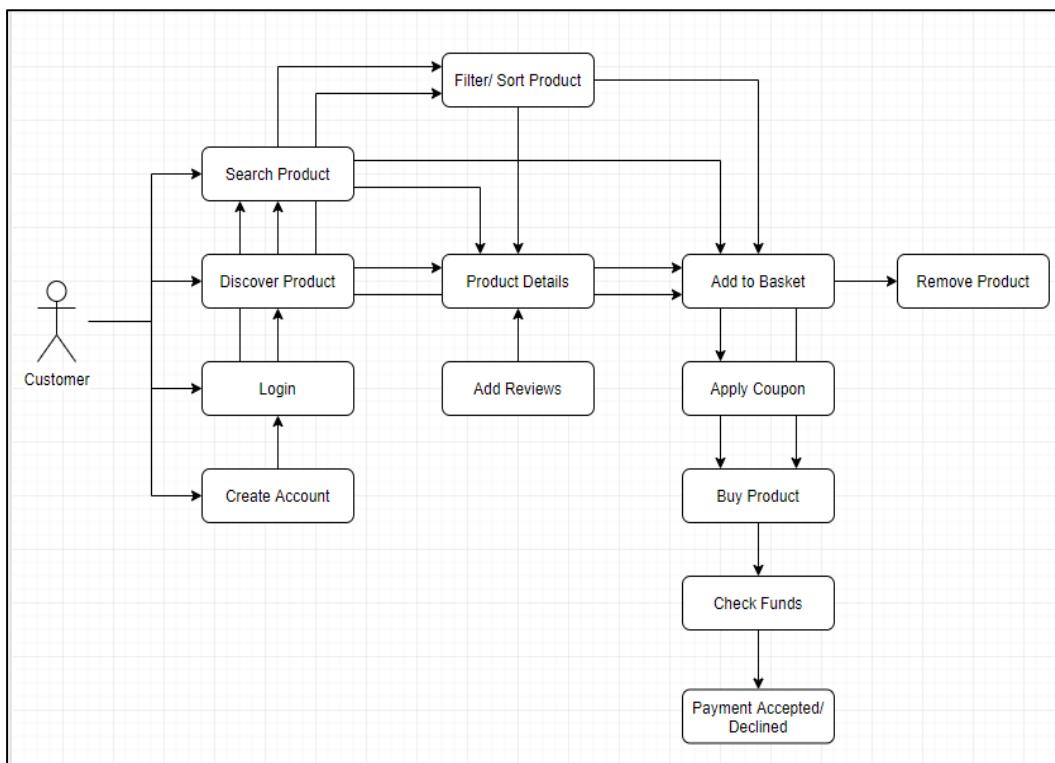


Figure 7.3.1

Admin:

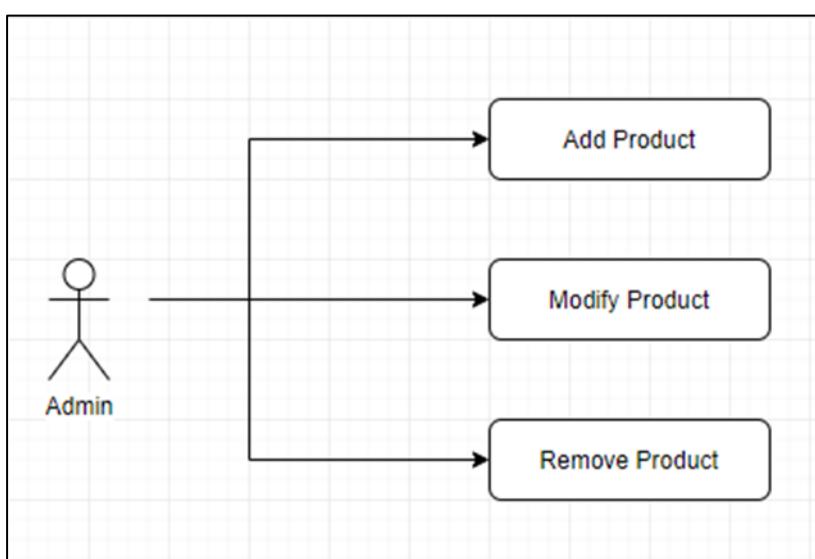


Figure 7.3.2

Functionality:

- Customer Registration
- Customer Login
- View Products
- Search Products
- Filter/Sort Products
- Add Reviews
- Add to Basket
- Remove Product from Basket
- Apply Coupon
- Checkout Payment
- Check Funds
- Admin Panel

7.4 Critical Path Analysis [Fahimul]

Critical Path Analysis is an algorithm which schedules a set of project activities. Most used in Engineering. This algorithm will be illustrated with circles, figures, and arrows. CPA purpose is for us to find the earliest end date for the project.

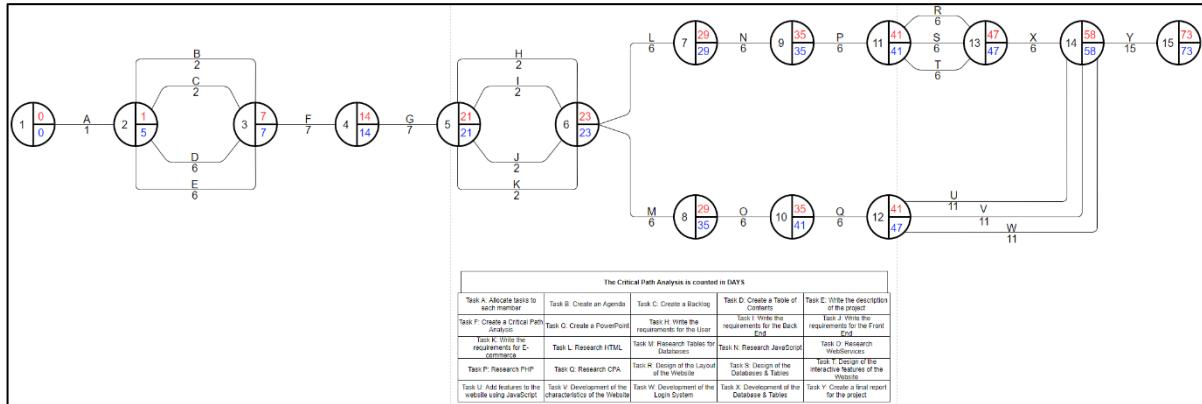


Figure 7.4.1

CRITICAL PATH ANALYSIS EXPLANATION

In Critical Path Analysis, various parts are required to be explained. First of all, we look at how the critical path analysis is counted. It can be counted in Days, Weeks, Months, etc. It all depends on how much time is needed to complete the project.

The Critical Path Analysis is counted in DAYS				
Task A: Allocate tasks to each member	Task B: Create an Agenda	Task C: Create a Backlog	Task D: Create a Table of Contents	Task E: Write the description of the project
Task F: Create a Critical Path Analysis	Task G: Create a PowerPoint	Task H: Write the requirements for the User	Task I: Write the requirements for the Back End	Task J: Write the requirements for the Front End
Task K: Write the requirements for E-commerce	Task L: Research HTML	Task M: Research Tables for Databases	Task N: Research JavaScript	Task O: Research WebServices
Task P: Research PHP	Task Q: Research CPA	Task R: Design of the Layout of the Website	Task S: Design of the Databases & Tables	Task T: Design of the interactive features of the Website
Task U: Add features to the website using JavaScript	Task V: Development of the characteristics of the Website	Task W: Development of the Login System	Task X: Development of the Database & Tables	Task Y: Create a final report for the project

Figure 7.4.2

This represents this part:

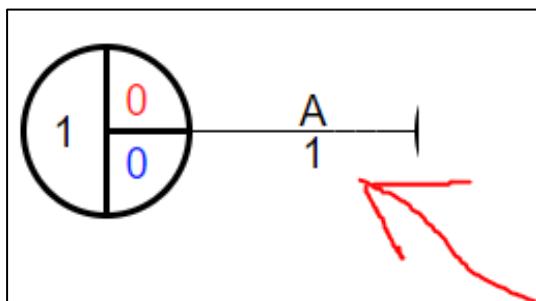


Figure 7.4.3

This means it will be 1 day to finish this part of the project to go onto the next step. Now, we will discuss how the different tasks are divided. It is represented as a letter or number, for example, "Task B" would represent "Create an Agenda".

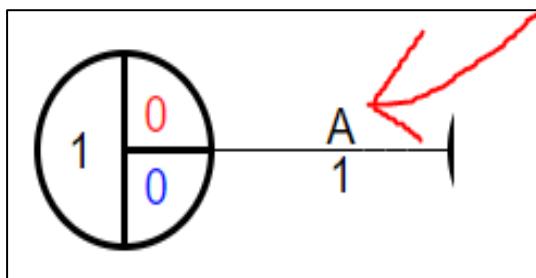


Figure 7.4.4

This figure shows Task A will take 1 week. Next, we will explain what the circle means in the CPA diagram.

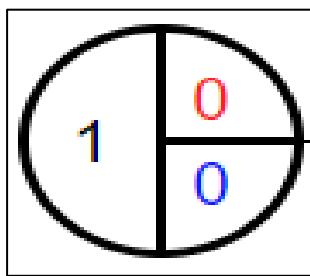


Figure 7.4.5

There are three parts in the circle of CPA diagram. First is the number in black, representing if this circle can be carried out before or after another circle. So, circle number 2 can't go before number one. In other words, the second part of the project can't go before the first part. The red part is the sum of the most possible consumed time on the project.

An example can be seen here:

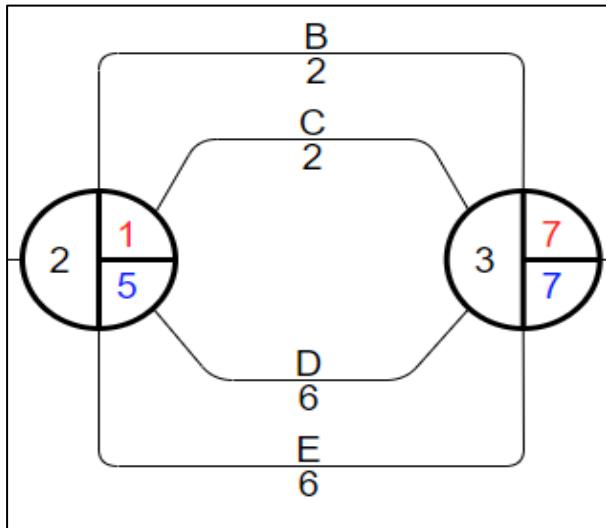


Figure 7.4.6

Four tasks are required to be completed before proceeding from state 2 of the project to state 3. Task D cannot be done before task B; it will always go from top to bottom. The red number in a circle requires to take the route with the most time consumed, in this case, it is possible to choose from 2 and 6, our option must be 6. This will continue until the last one.

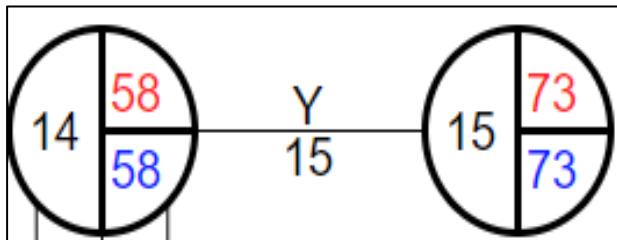


Figure 7.4.7

The next step to understand how the blue number in CPA circle works. The blue number always goes from the last circle towards the first number. In a drawing, it would be shown like this:

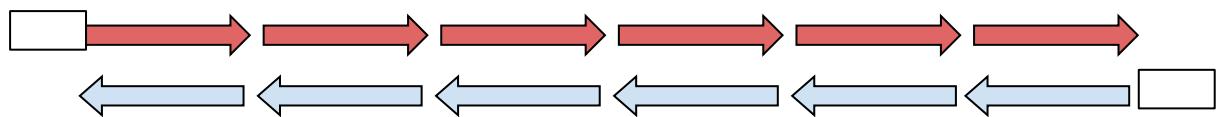


Figure 7.4.8

So, the red number starts from circle 1 towards the end circle while calculating the most consuming time number. The blue number starts from the end circle towards circle 1 while calculating the least consuming time number. So, instead of choosing 6 for the blue number, we choose 2.

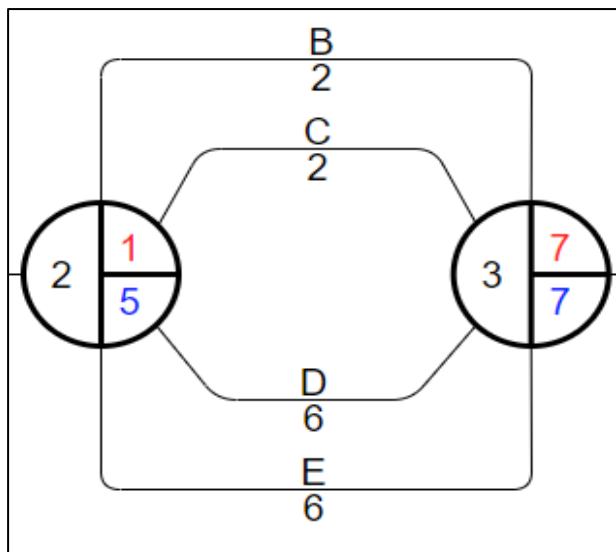


Figure 7.4.9

Remember, when we talk about the most consuming time number or least consuming time number, it means this part:

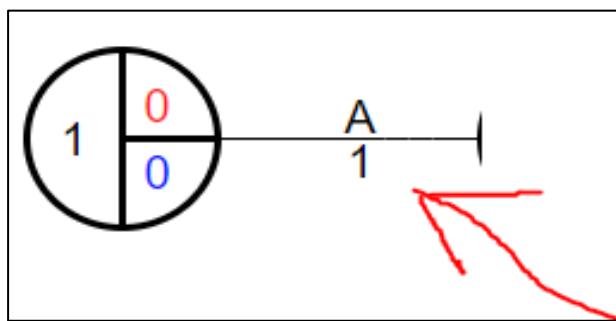


Figure 7.4.10

So, for the red number in the circle, it would represent the activity that takes the most days, while the blue number would represent activity that takes the least days. The last step to understand how a CPA works are how the activities are divided to make different routes and paths. If we are talking about Planification, such as dividing works for everyone, from circle X to circle Y then it would have included all of the planification activities, so the project can advance from state X to state Y.

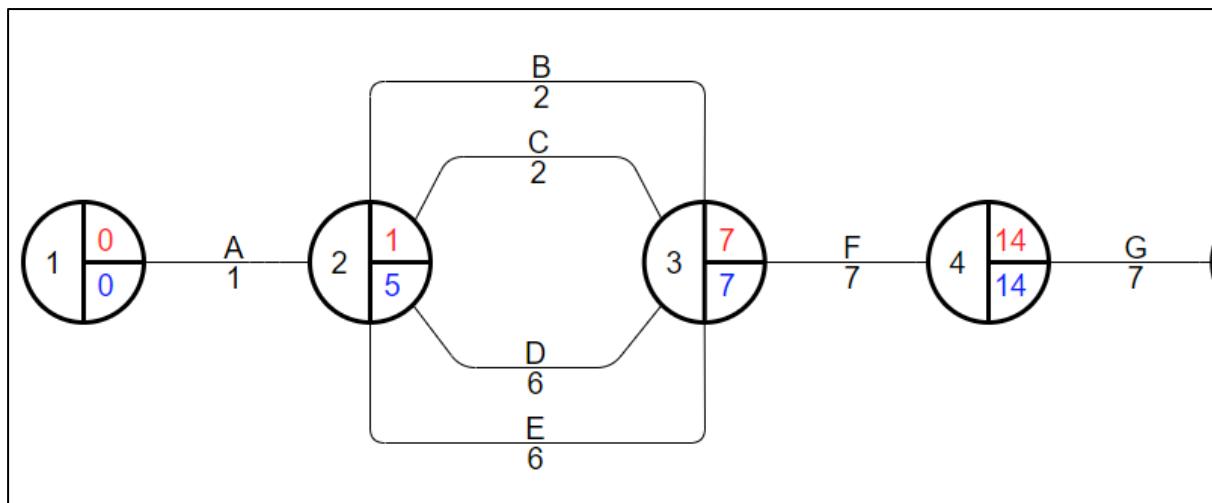


Figure 7.4.11

It is extremely important to divide the CPA well without complicating it too much with irrelevant activities or it may turn out to be confusing to understand.

8 Project Components and Documentation

The main components of this project are *Design, Development, Testing, and Evaluation*. All these components will explain our decisions and ideas. *Design* will display wireframes and the main design of the website. *Development* will display how the main website and database is developed. *Testing* will include all possible tests on the website to make sure it's functioning correctly to meet the user's needs. *Evaluation* will include feedback and improvement to help with our future project.

Furthermore, all decisions will be explained in each component. The decisions will also be based on the case study making sure most of the possible functionalities are implemented. Of course, additional functionalities may also be implemented to improve the user experience while interacting with the website.

The documentation will include wireframes and illustrations for the design of the website. There will also be screenshots of the code used to develop the website and database. Multiple members will be working on *Design and Development*, so their name will also be titled to clarify who worked on what. We will also include *Testing Table* and test screenshots. A user manual will also be included so the user knows how the website works and what else they can do.

9 Design [Thierno, Kevin, Aminata]

In this section, we will be discussing the design decisions that we have implemented. It will include wireframes, main designs and images etc. We also made sure our design matched the design principles. For example, visibility which makes sure the website contains visible features, so the user has no problems making an interaction.

9.1 Wireframes [Thierno]

We started off our designs by creating wireframes for our website. A wireframe is like a blueprint of the website design. This helped us plan and get a preview of our website. Of course, the actual website design is subject to change, but we use the wireframe to guide us. We created two main wireframes one for homepage and other for the shop page.

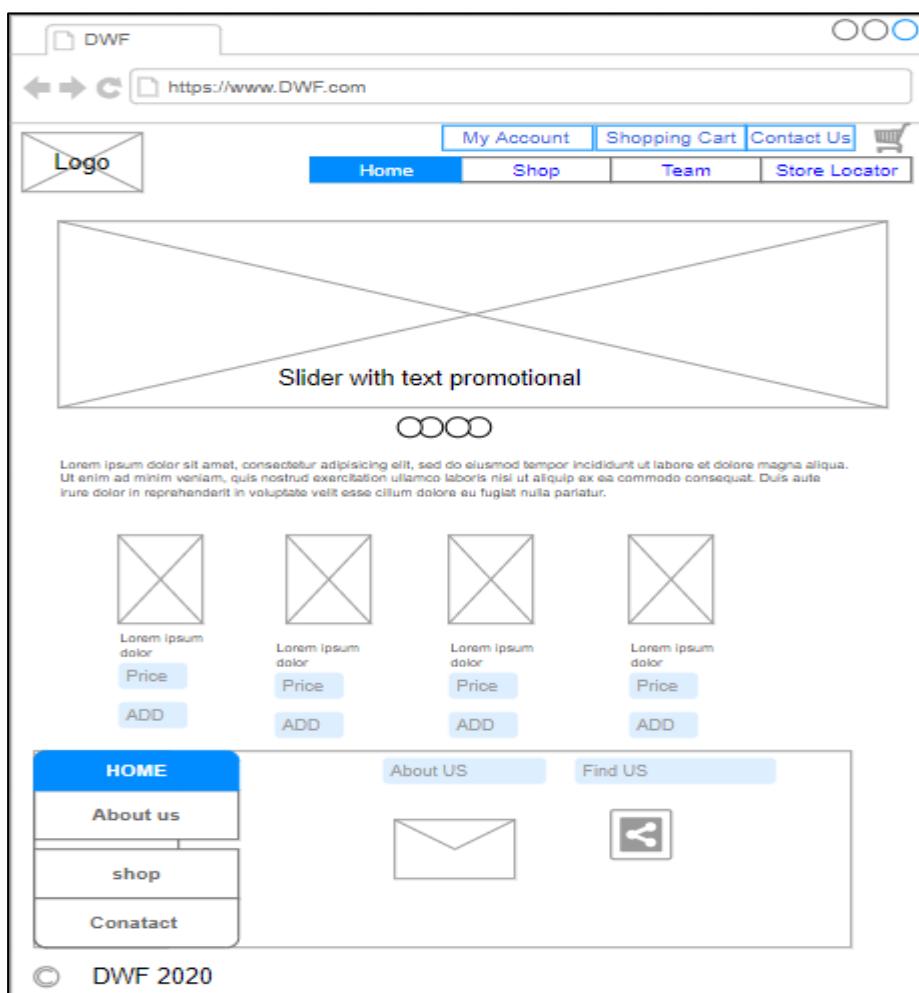


Figure 9.1.1

This figure shows the wireframe for our homepage. It includes navigation buttons and logo at the top. The main content includes a slider with images and introductory paragraphs. Followed by featured products and a footer which includes contact details and social media links.

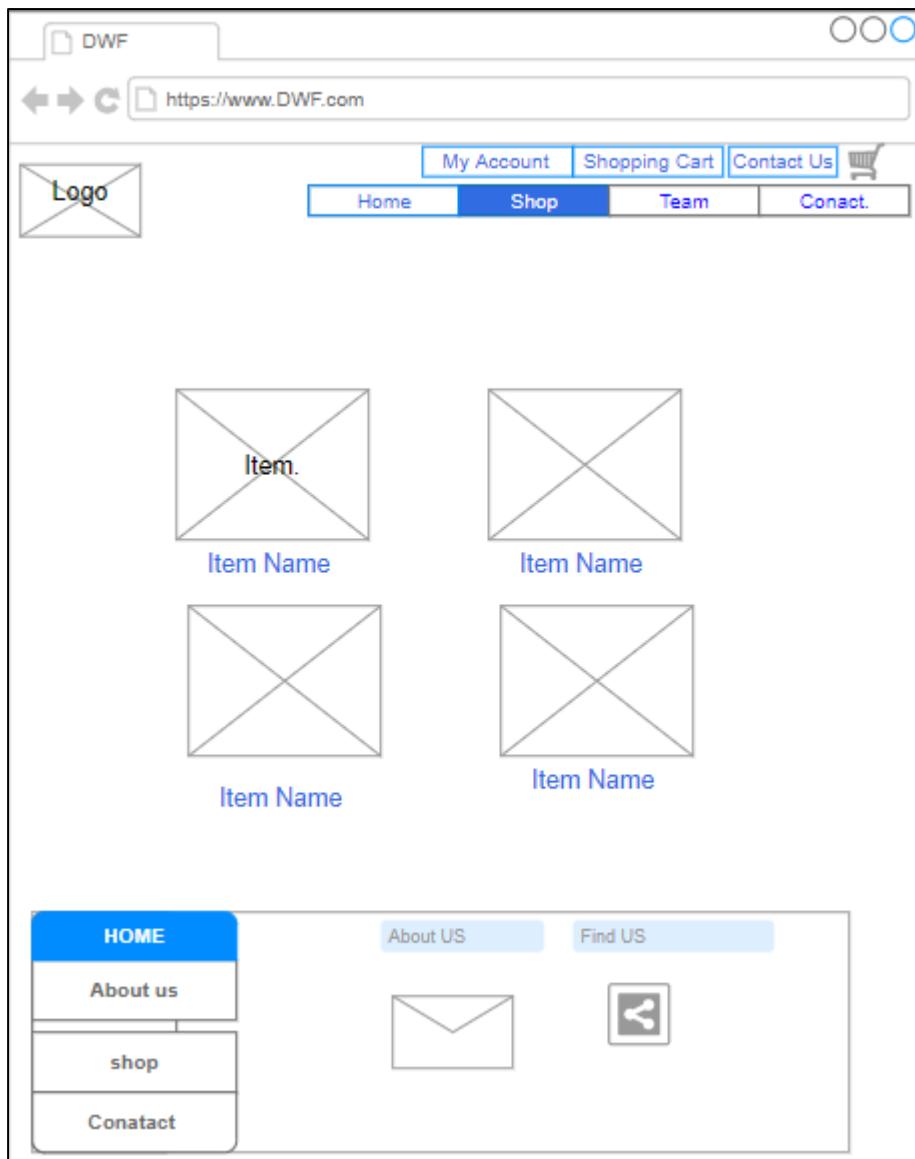


Figure 9.1.2

This is the wireframe for the shop page. The shop page will have the same layout as the homepage to keep it consistent. It includes product picture with product details like a name. It will eventually include price and other features once we implement it on WordPress.

9.2 Homepage Design [Thierno]

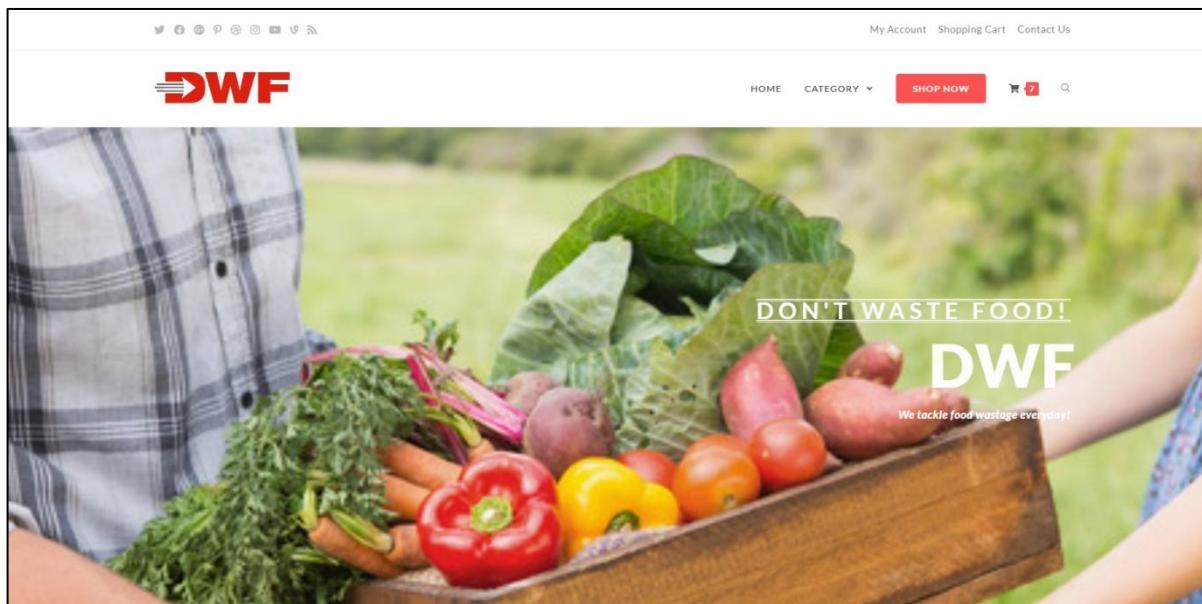


Figure 9.2.1

This is our main homepage and the figure above is the first thing the user will see. It includes social media logo on the top left tab which will direct the user to our social media pages if clicked. While on the top right tab includes buttons for personal features for 'My Account', 'Shopping Cart' and 'Contact Us'. We didn't put them on the main navigation bar because we don't want the user to think those are the main feature of this website. The main feature of this website is shopping for products with and without categories.

It includes a logo and navigation bar. The navigation bar includes buttons which will direct the user to their respective pages. It has a search bar which the user can search for the product instead. Usually, we as humans read the website on an F-pattern or Z-pattern in other words left to right then repeat. In this case, we put our logo in the left so it is the first thing the user will see, and this will help them remember who we are, DWF.

We opted in going red, black and white colours. Red symbolises our passion for food and the importance of not wasting food. Our background is white, and the text is black. These colours may be simple, but they improve the visibility of our website. Too many colours and details can cause users confusion, so simplicity is important.

Followed by a large image of food handed out to one person to another which does represent shopping and delivery. So, it's relevant to our case study. We also used white text because it seemed it was the most visible and aesthetically pleasing colour.

9.3 Discover Our Best Selling (Home) [Thierno]

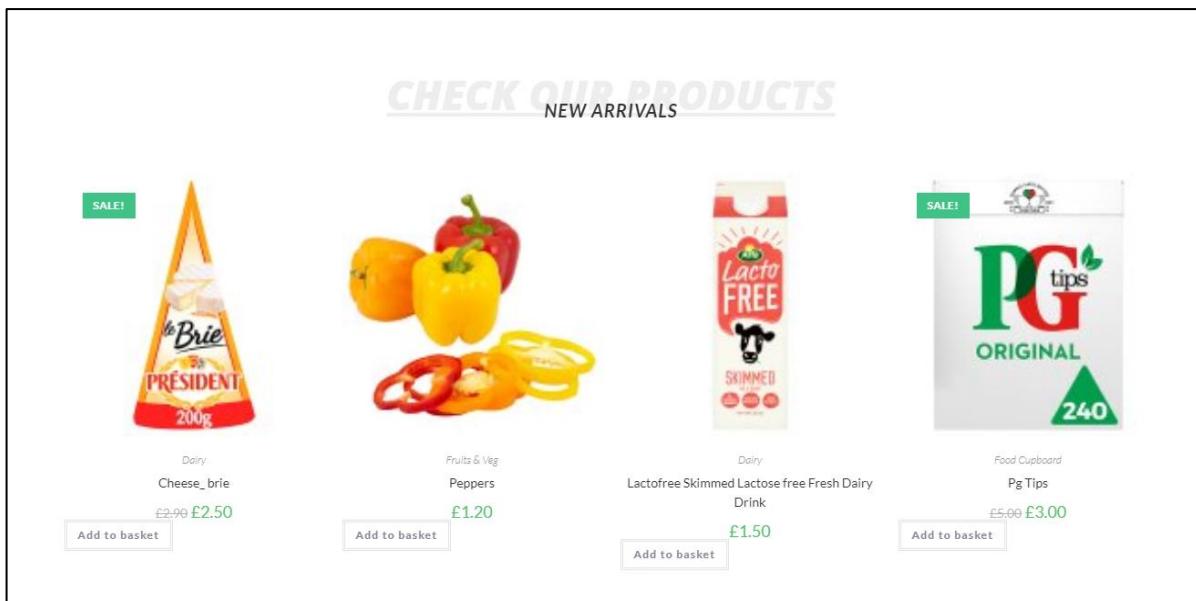


Figure 9.3.1

Following the large image, comes the 'Best Selling' section. Which displays the top 4 best-selling products on this website. If the user is interested in these products they can simply press 'Add to Basket' and add the product into their basket. They can also click on the image or text to see its product detail page.

9.4 Fruits and Veg Summer Promo Video (Home) [Kevin]

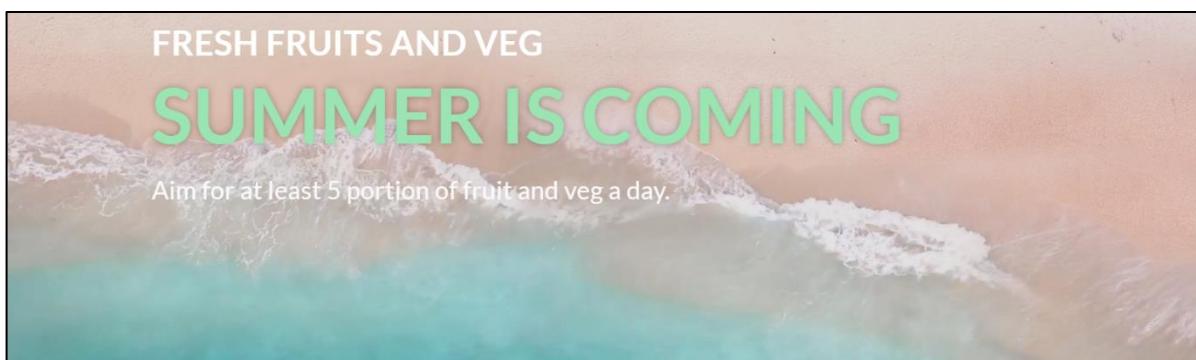


Figure 9.4.1

After, 'Discover Our Best Selling' section follows 'Fruits and Veg' summer promo video. This includes a video of sea waves representing summer. With summer approaching fruits and vegetables will be selling rapidly due to their watery and juicy contents. For example, watermelons will be high in demand due to its watery contents perfect for staying hydrated during summer. This also links to our green text "Summer is Coming" as watermelon are green and mostly eaten during summer. Our other text is white because it is visible with the sea waves.

9.5 Check Our Products New Arrivals (Home) [Aminata]

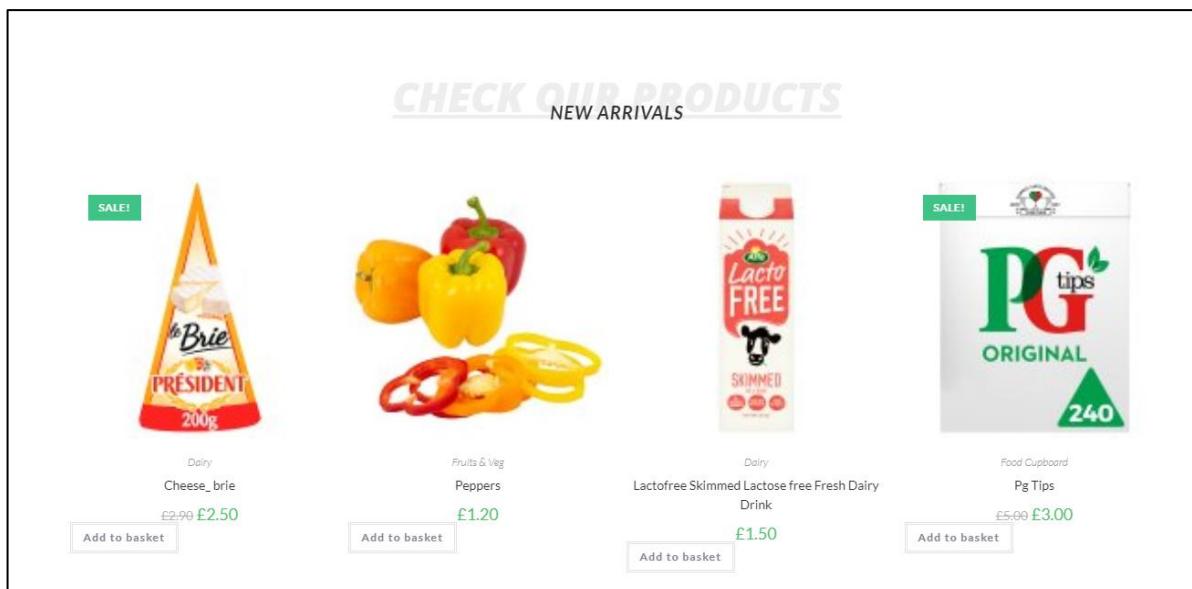


Figure 9.5.1

This figure shows the 'New Arrivals' section. This displays the last 4 new products added to the website. We included this on the homepage so it can receive some attention. If the user does like the product they can press 'Add to Basket' and the product will be included in their basket. They can also click on the image or text to see its product detail page.

9.6 Product Categories Shop Now (Home) [Kevin]

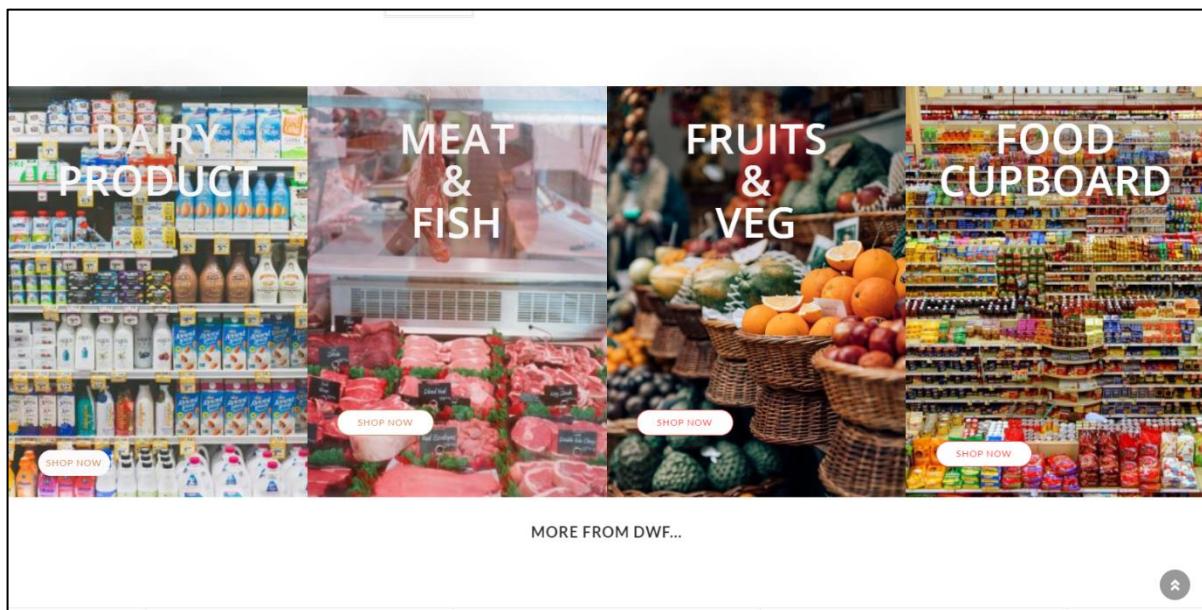


Figure 9.6.1

The user may get so curious with the homepage that they are below the page where shop buttons may not be visible. Instead, they can just click shop now on food categories and they will navigate to that food categories' page. Or they can click the text 'More from DWF...' which will direct to 'Shop Now' page which includes foods from all categories. If the user wants to scroll up regardless, they can save time by clicking on the double arrow button on the bottom left side. The double arrow button will instantly direct the user back to the top of the page.

9.7 Footer (Home) [Thierno]

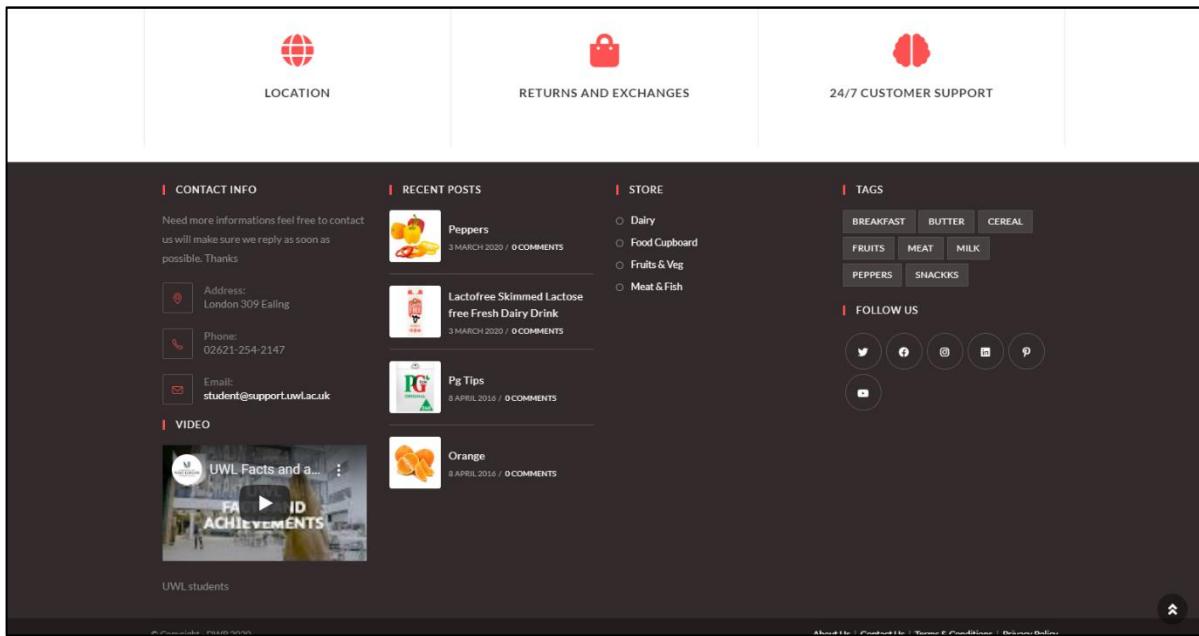


Figure 9.7.1

This figure shows a footer of the website which is included not just at homepage but other pages. It contains contact info, video, food categories and link etc. The colours we used were brown, red, grey and white. The most footer is black or brown which is used to set a border for the page content. Footer will also include copyrights, terms and policies.

9.8 Category: Dairy [Thierno]

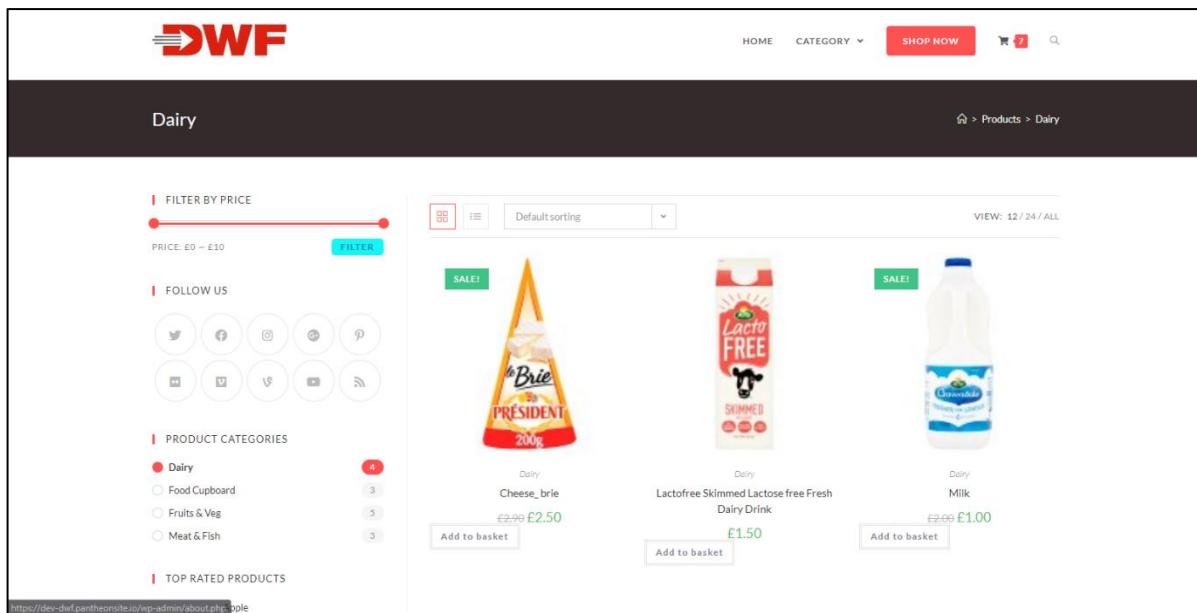


Figure 9.8.1

This figure shows the 'Dairy' Page which is accessed through 'Category' drop-down box. It displays all the dairy products. The dairy products listing can be filtered (left) or sorted (top). This would be great if the user wants a low price dairy product, they can filter and exclude other expensive product. Or they can sort from low to high products which will show low price products on the top of the listing. It also includes 'Add to Basket' button which they can quickly add a dairy product to their basket/cart.

If the users would like to see a specific dairy product's detail, they can click on the image or text and it will send the user to its product details page. Social media links are included on the left side. Followed by 'Product Categories' and 'Top Rated Products'. Product Categories tells the user which page they are in with red colours on the category, dairy is red in this case as well as how many products are listed in that category, 4. Top Rated Products are popular products reviewed by the users they don't have a specific category.

Furthermore, the colours and design are pretty much the same as the homepage which represents the consistency of the website. Consistency is important so the user does not get confused each time they navigate to a different page. So, the other Category pages: 'Food Cupboard', 'Fruit & Veg' and 'Meat & Fish' will have the same design with different products.

9.9 Category: Food Cupboard [Aminata]

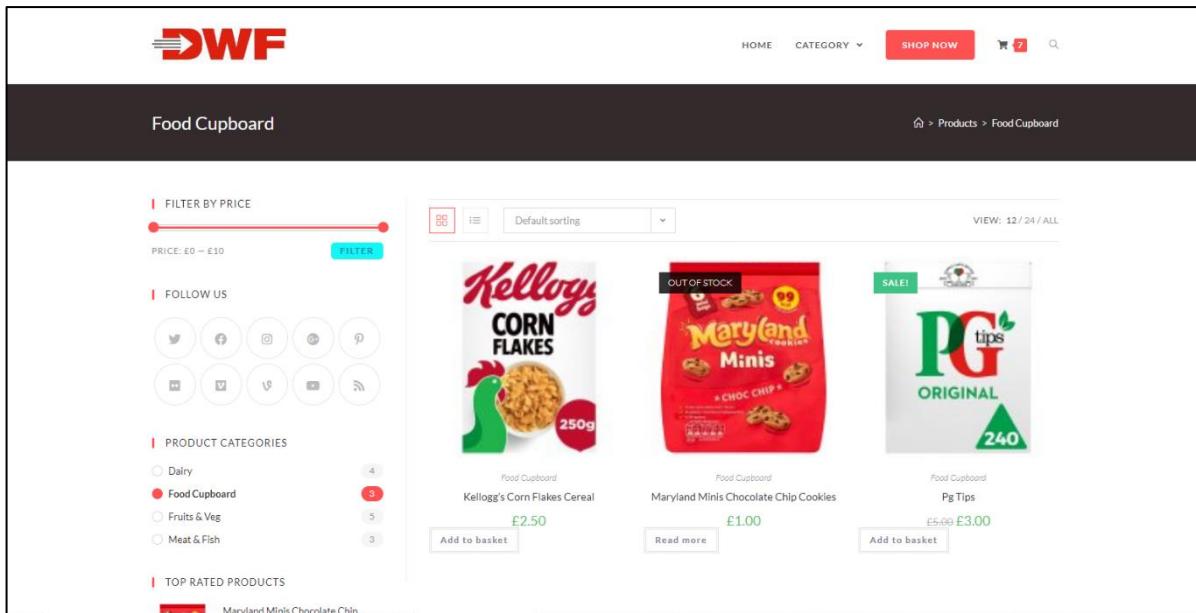


Figure 9.9.1

This figure shows the 'Food Cupboard' Page which is accessed through 'Category' drop-down box. It displays all the snack products. The snack products listing can be filtered (left) or sorted (top). It also includes 'Add to Basket' button which they can quickly add a snack product to their basket/cart. If the user wants more details on specific snack product they can click on the image or text which will direct them to its details page. Product Categories on the left is 'Food Cupboard' which is red, and the number of products listed is 3. Top Rated Products are popular products reviewed by the users they don't have a specific category.

9.10 Category: Fruits & Veg [Thierno]

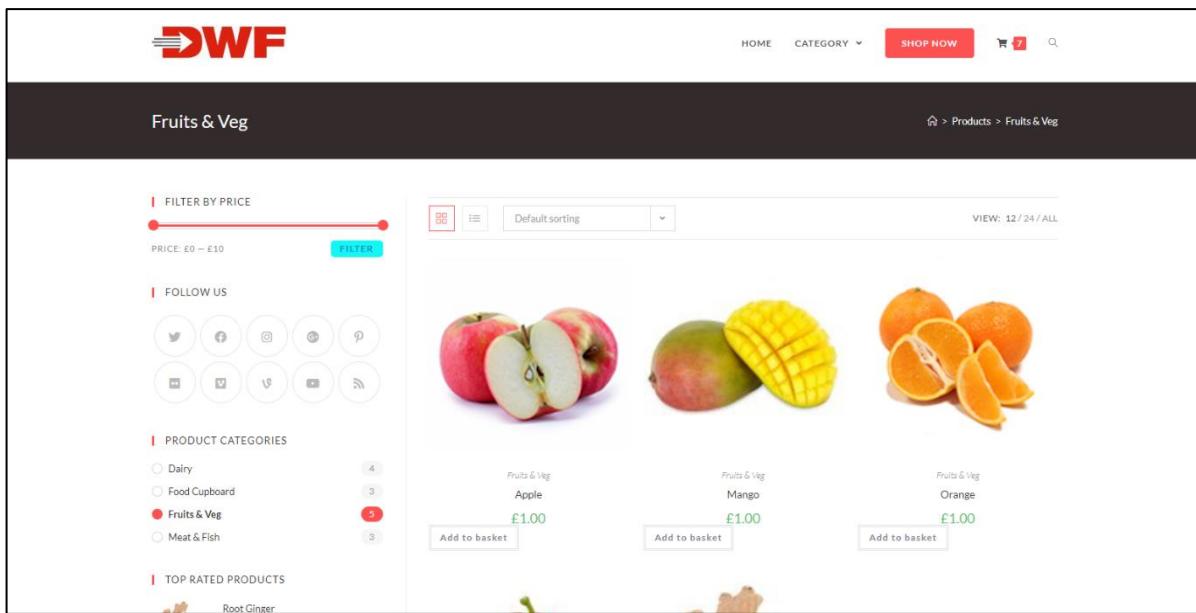


Figure 9.10.1

This figure shows the 'Fruits & Veg Page' which is accessed through 'Category' drop-down box. It displays all the fruits and veg products. The product listing can be filtered (left) or sorted (top). It also includes 'Add to Basket' button which they can quickly add a fruit or a veg product to their basket/cart. If the user wants more details on the specific fruit or veg product they can click on the image or text which will direct them to its details page. Product Categories on the left is 'Fruits & Veg' which is red, and the number of products listed is 5. Top Rated Products are popular products reviewed by the users they don't have a specific category.

9.11 Category: Meat & Fish [Kevin]

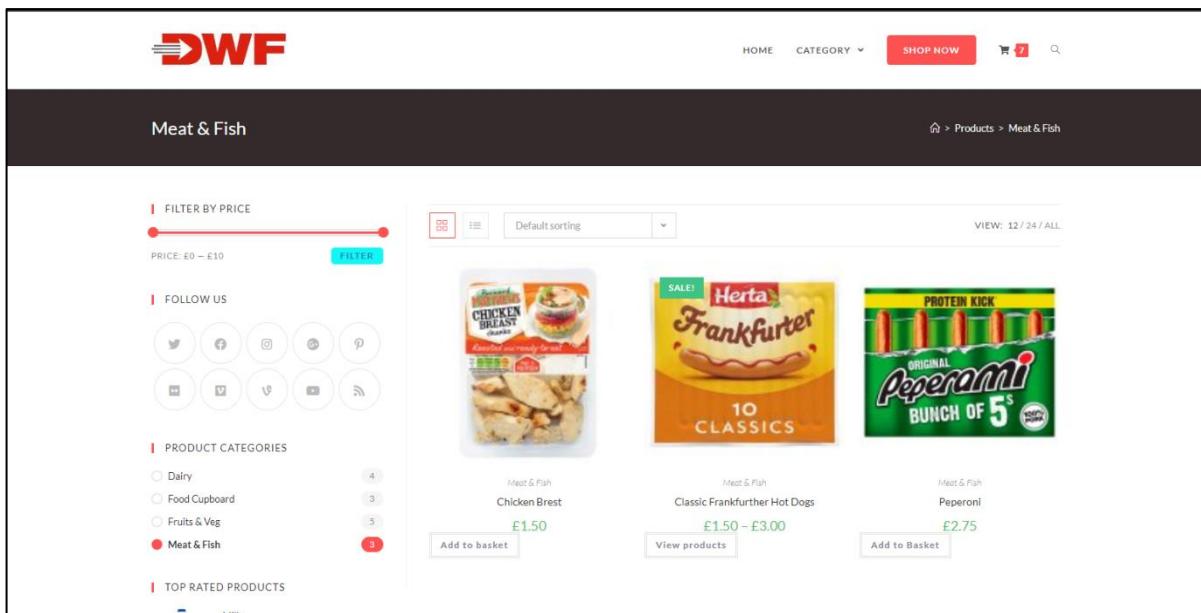


Figure 9.11.1

This figure shows the 'Meat & Fish' Page which is accessed through 'Category' drop-down box. It displays all the meat and fish products. The product listing can be filtered (left) or sorted (top). It also includes 'Add to Basket' button which they can quickly add meat or a fish product to their basket/cart. If the user wants more details on specific meat or fish product they can click on the image or text which will direct them to its details page. Product Categories on the left is 'Meat & Fish' which is red, and the number of products listed is 5. Top Rated Products are popular products reviewed by the users they don't have a specific category.

9.12 Product Details Page [Thierno]

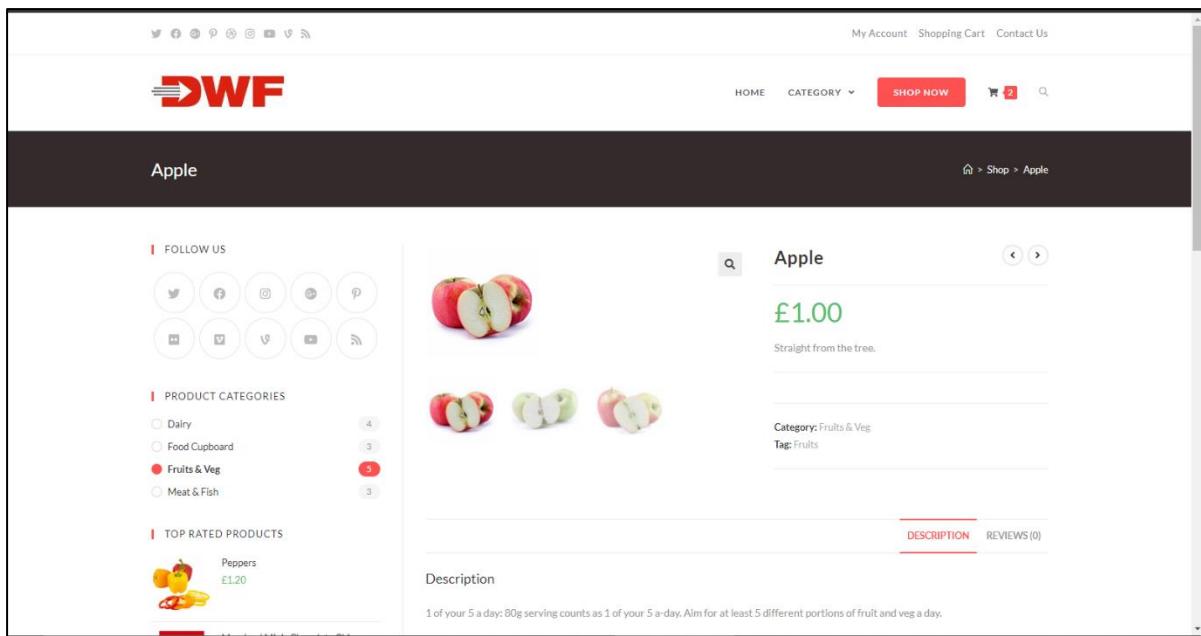


Figure 9.12.1

This is the product details page where each product has its own. You can access this by clicking on the product image or title. The overall page has the same design as other pages with social media, product categories and top-rated products on the left. The main content includes images of the product, name, price, description, category and tag. You can go to the next or previous product detail page using arrows next to the name. We decided to make the cost of product colour is green which is the same throughout all pages. The universal colour used for money is usually green, so we decided to go along with it.

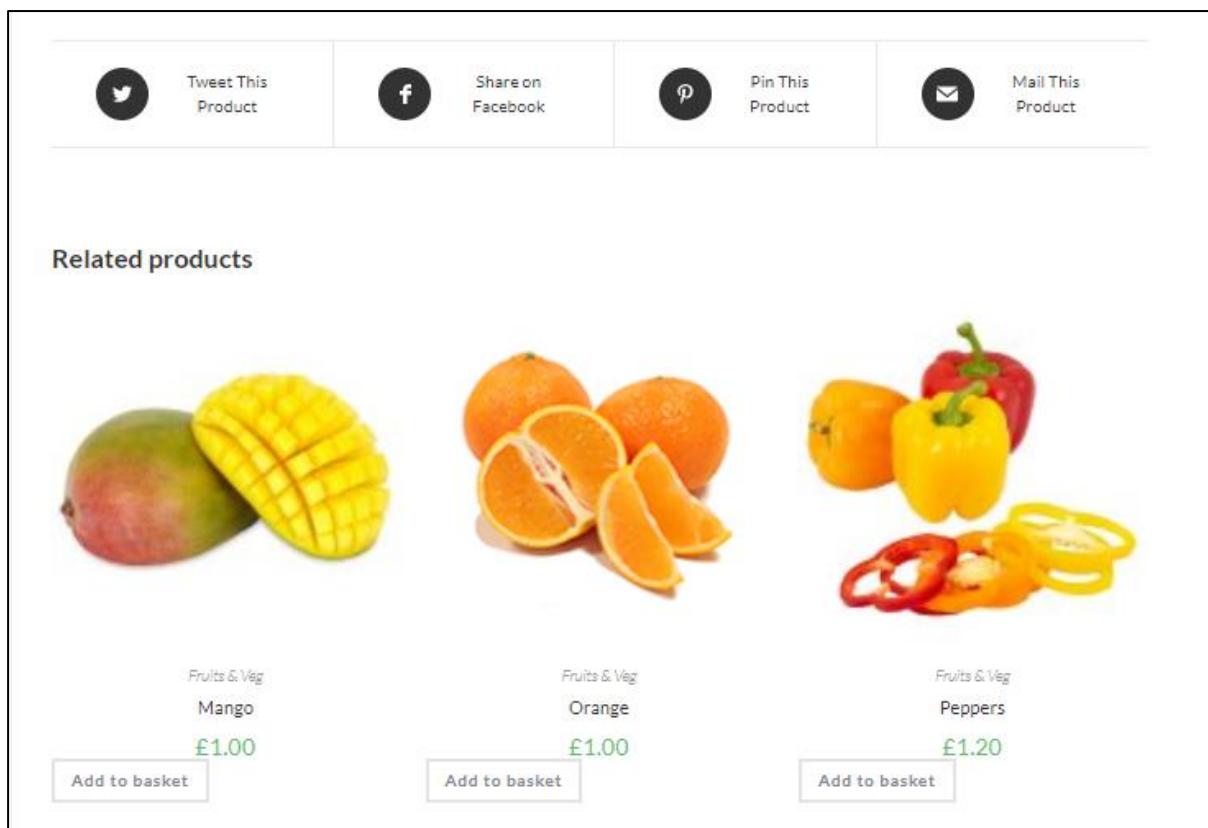


Figure 9.12.2

This is the share and 'Related Product' section. The user can share the products in social media. The user can also add or view related products that are part of the same categories. For example, the product apple the related products would come from 'Fruit & Veg' category.

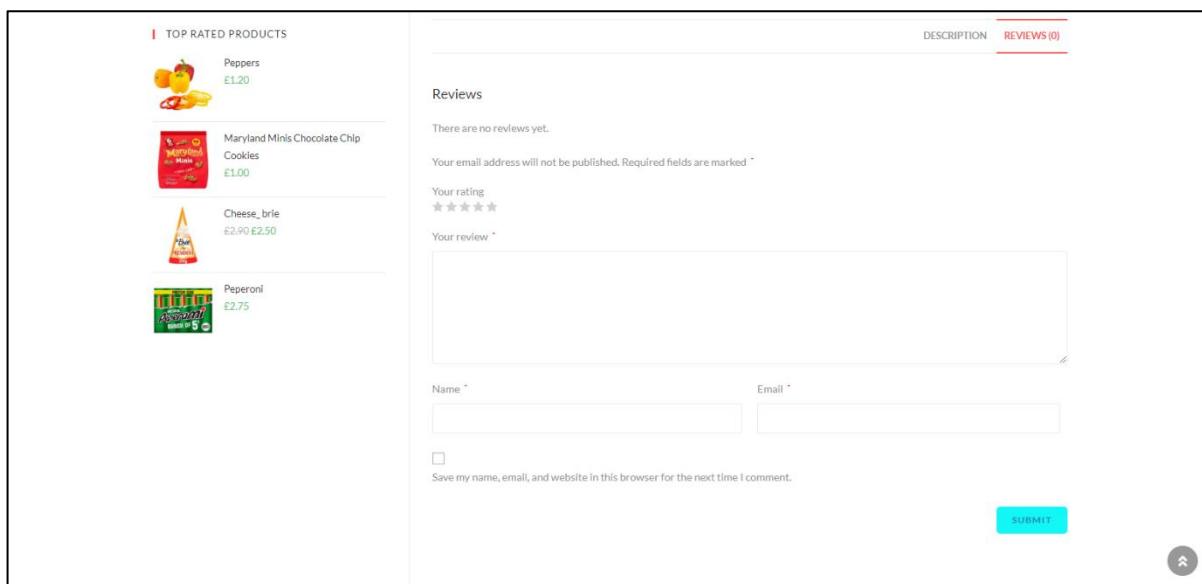


Figure 9.12.3

If the users would like to write a review down for the product they can. They can give a star rating to represent their satisfaction. The ratings can also play a huge part in other customers' decision.

9.13 Shop Now [Thierno]

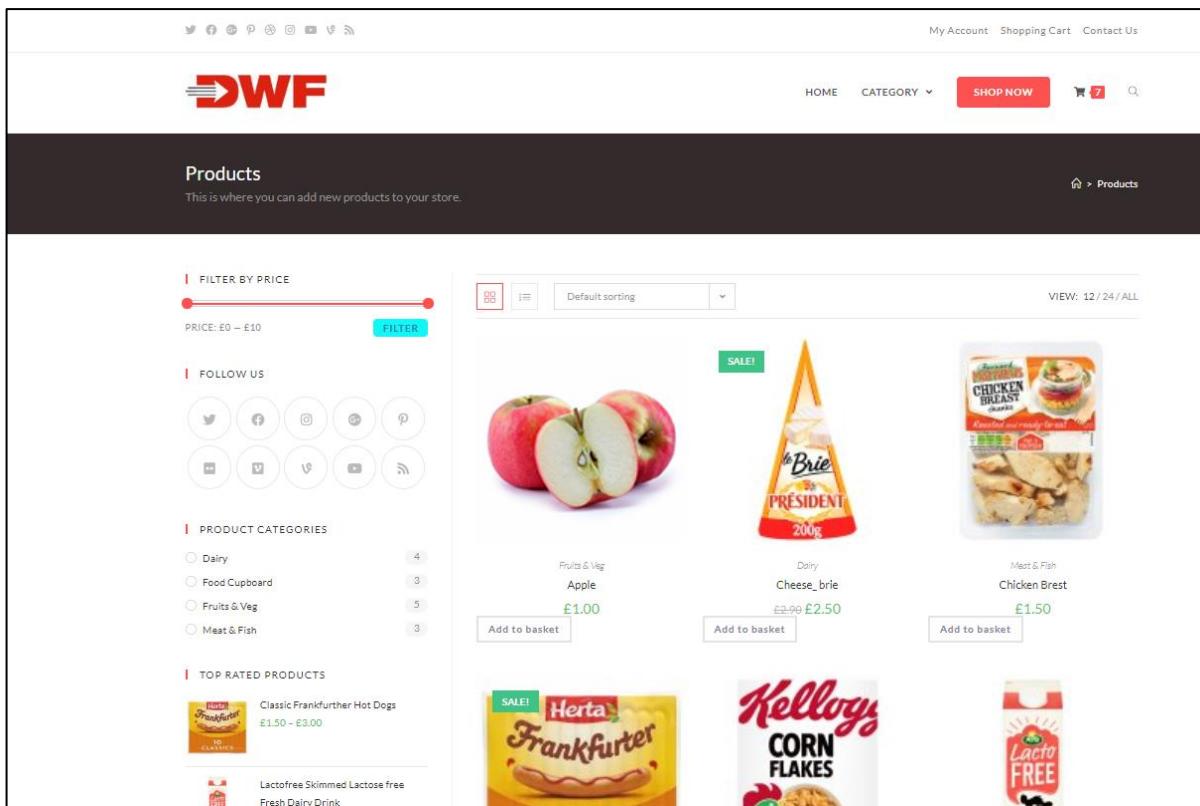


Figure 9.13.1

The navigation bar includes a big red button with white text 'Shop Now'. The red button helps grab the user's attention. This is great if the user wants to quickly shop products and if they don't have time to browse through each category. The 'Shop Now' page will display all the products regardless of the categories. It will have the same design as each 'Category' pages to keep the website consistent.

9.14 Basket Icon & Shopping Cart Button [Thierno]



Figure 9.14.1

The website includes two ways of accessing the 'Cart' page which will show all the products you have added to your basket and its total. You can click on the 'Shopping Cart' button or the basket icon. We decided to keep both methods since some users may not know the basket icon is a button too. Also, the basket icon displays a number to represent how many products the user has added to the basket so far.

9.15 Cart Page [Kevin]

The screenshot shows the DWF Cart Page. At the top center is the DWF logo. Below it is a table listing four items in the basket:

PRODUCT	PRICE	QUANTITY	SUBTOTAL
Chicken Breast	£1.50	- 2 +	£3.00
Kellogg's Corn Flakes Cereal	£2.50	- 3 +	£7.50
Pg Tips	£3.00	- 1 +	£3.00
Milk	£1.00	- 1 +	£1.00

Below the table are buttons for "Coupon code" and "APPLY COUPON" (in blue), and a "UPDATE BASKET" button.

In the middle left, there is a section titled "You may be interested in..." with two items:

- President Butter: Dairy, £2.00, Add to basket
- Maryland Minis Chocolate Chip Cookies: Food Cupboard, OUT OF STOCK, £1.00, Read more

To the right, under "Basket totals", are tables for Subtotal (£14.50) and Total (£14.50). Below these is a large blue "PROCEED TO CHECKOUT" button.

Figure 9.15.1

This is the 'Cart' page which can be accessed clicking the basket icon or 'Shopping Cart' button as explained at 9.14. It includes the DWF logo in the middle with no navigation bar. This is to make the page feel personal. Then you will see a product form with all the products added to the basket. It includes an image, name, price, quantity (changeable) and subtotal (subject to change). You can remove the product from the basket by pressing the cross icon. You can change the quantity of the product using the plus or minus icon then 'pressing Update Basket'. Coupons can be applied if given which reduce the total of the basket. We also included products the user may be interested in which they can just press 'Add to Basket' and the basket total will automatically change. Once the user has confirmed their basket, they can go to the checkout by clicking 'Proceed to Checkout'. We used bright turquoise colours for our buttons, so the user is aware of what they are going to buy. Bright colours alert the user, but it can be irritating to the eye.

9.16 Checkout Page [Kevin]

The screenshot shows a checkout interface. On the left, under 'BILLING DETAILS', there are fields for First name*, Last name*, Company name (optional), Country / Region* (set to United Kingdom (UK)), Street address*, Apartment, suite, unit, etc. (optional), and Town / City*. On the right, under 'YOUR ORDER', there is a table showing the cart items:

PRODUCT	SUBTOTAL
Apple × 1	£1.00
Cheese_Brie × 1	£2.50
Subtotal	£3.50
Total	£3.50

Below the table, a radio button for 'Direct bank transfer' is selected. A note below says: 'Make your payment directly into our bank account. Please use your Order ID as the payment reference. Your order will not be shipped until the funds have cleared in our account.' There is also a small circular icon with an upward arrow.

Figure 9.16.1

This screenshot shows the continuation of the checkout form. It includes fields for County (optional), Postcode*, Phone*, Email address*, and a checkbox for 'Create an account?'. Below these, there is an 'ADDITIONAL INFORMATION' section with an 'Order notes (optional)' field containing the placeholder 'Notes about your order, e.g. special notes for delivery.' To the right, there is a large blue 'PLACE ORDER' button. Above the button, there is a note: 'Your personal data will be used to process your order, support your experience throughout this website, and for other purposes described in our [privacy policy](#)'. To the right of the note, there is a PayPal logo with the text 'PayPal What is PayPal?' and icons for various payment methods.

Figure 9.16.2

The two figures above show the 'Checkout' page which can be only accessed through Cart Page. If the user hasn't logged in, they can still log in and autofill their billing form details else they are required to manually fill in the fields. Fields with an asterisk are mandatory to fill in or the user won't be able to proceed with payment. If the user forgot to apply coupon in the 'Cart' page, then they can still apply and change the total payment. It also includes total cost, payment type and a button to confirm the payment.

9.17 Login and Register Page [Kevin]

The screenshot shows the 'My Account' page of the DWF website. At the top, there is a navigation bar with links for 'HOME', 'CATEGORY', 'SHOP NOW', 'Shopping Cart' (containing 2 items), and 'Contact Us'. Below the navigation is a red header bar with the 'DWF' logo. The main content area has a dark background and features the text 'Login OR Register' in white. Below this, there are two input fields: 'Username or email address' and 'Password', each with a required asterisk. Underneath the password field is a 'Remember me' checkbox and a 'LOG IN' button. To the right of the password field is a link 'Lost your password?'. The URL in the browser's address bar is 'http://www.dwf.com/MyAccount'.

Figure 9.17.1

This screenshot shows the same 'My Account' page as Figure 9.17.1, but with additional registration functionality. The 'REGISTER' button is now visible at the bottom of the login form. A note above the 'REGISTER' button states: 'Your personal data will be used to support your experience throughout this website, to manage access to your account, and for other purposes described in our [privacy policy](#)'. The URL in the browser's address bar is 'http://www.dwf.com/MyAccount'.

Figure 9.17.2

The two figures show the 'My Account' page which can be accessed by clicking the 'My Account' button'. This will only appear if you haven't logged in. If you press the Login text it will display a login form which you fill and press 'Login'. You can also tick the 'Remember Me' box so you don't have to login again next time. If the user forgot or lost their password, they can click on the text 'Lost your password?' for recovery. It'll ask for the username and it'll send a password reset to the user's email. If the user has not got an account, then they can press the 'Register' text and a registration form will display. Then the user can fill in their email and password to register which will create a new account.

The screenshot shows the 'My Account' page of a WooCommerce store. At the top, there's a navigation bar with social media icons, account links ('My Account', 'Shopping Cart', 'Contact Us'), and a search bar. The main header features the 'DWF' logo. Below the header, a dark navigation bar contains 'HOME', 'CATEGORY', 'SHOP NOW', a shopping cart icon with a '7' notification, and a search icon. The main content area has a dark background. On the left, a sidebar for 'WordPressGuy19' shows a profile picture, the username, and a 'Logout' link. Below this are links for 'Dashboard', 'Orders', 'Downloads', 'Addresses', 'Account details', and 'Logout'. The main content area includes sections for 'CONTACT INFO' (with a message about replying), 'RECENT POSTS' (listing 'Cheese_brie' and 'Peppers'), 'STORE' (listing categories like Dairy, Food Cupboard, Fruits & Veg, Meat & Fish), 'TAGS' (listing Breakfast, Butter, Cereal, Fruits, Meat, Milk, Peppers, Snacks), and 'FOLLOW US' (with a placeholder for social media links). The footer is a standard white footer.

Figure 9.17.3

If the users are logged in and they press the 'My Account' button, then it will show them a dashboard. Which includes important features such as orders, account details, and a logout button.

9.18 Contact Us [Thierno]

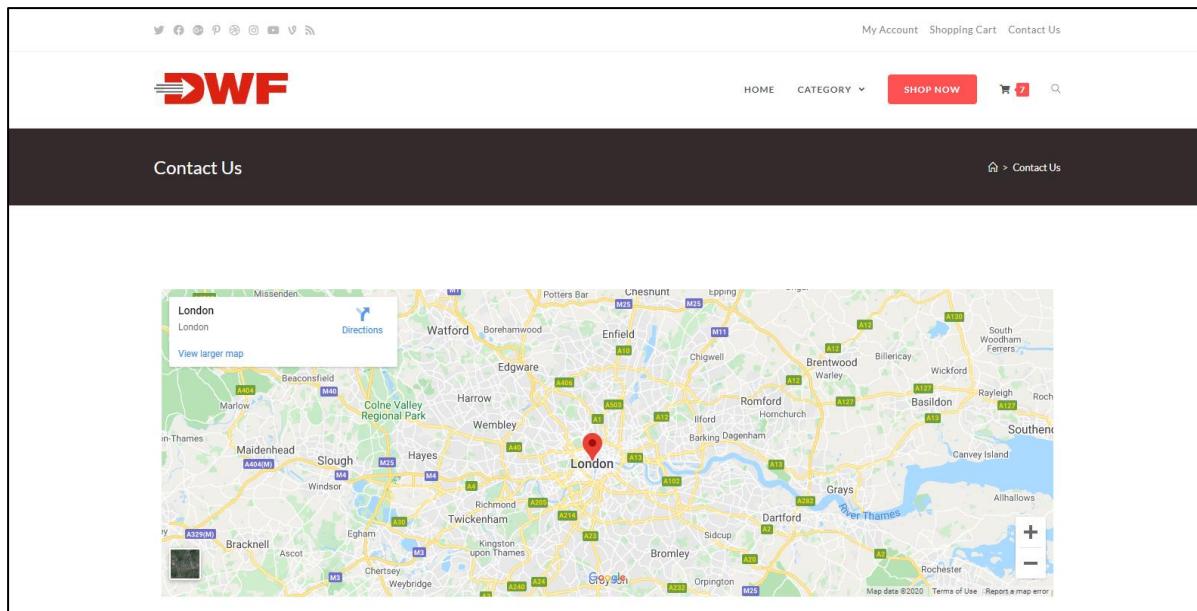


Figure 9.18.1

A screenshot of the DWF website's Contact US form. The form is titled "Contact US". It includes fields for "Name" (with "First" and "Last" sub-fields), "Email", and a large "Comment or Message" text area. A "SUBMIT" button is located at the bottom left of the form area.

Figure 9.18.2

This is the 'Contact Us' page which will allow the customers to make queries with the company if they come across any problems. It has a map to show where we are located as well as a form with compulsory fields. The customers are required to enter their name, email and they query they are making. They must be all filled in or it will warn the user.

9.19 DWF Logo [Kevin]



Figure 9.19.1



Figure 9.19.2

Here are our two logo designs. We first started with simple text design 'DWF' which was blue and appealing to the eye. Then we thought of another design which involved text but with streamlined arrow pointing right which represents quickness. This can also represent quick delivery. The logo still has text 'DWF', but it looks more dynamic along with red colour matching our website layout.

Note:

As you see in the figures above the 'Add to Basket' button is not aligned correctly on every page. This is because of a bug that does not allow free users to make a correct adjustment which other people have reported as well. Regardless, we still tried adjusting however, it only produced duplicate 'Add to Basket' button. So, we decided to leave it how it is unless we upgrade our WordPress plan to Premium. Other features have been limited too due to free plan which will be explained in the Development section.

10 Development [Thierno, Kevin, Fahimul]

To begin with, WordPress uses web content management system which allows you to pick and drop features for the website with little knowledge required. It also does provide access to the code of the website. However, for database adjustment and other SQL queries, it requires a premium plan which we were using the free plan. So, we could not make much adjustment. Most changes were made through the WordPress dashboard and its plugin WooCommerce which is CMS. Where some of the functionality was already included in the template.

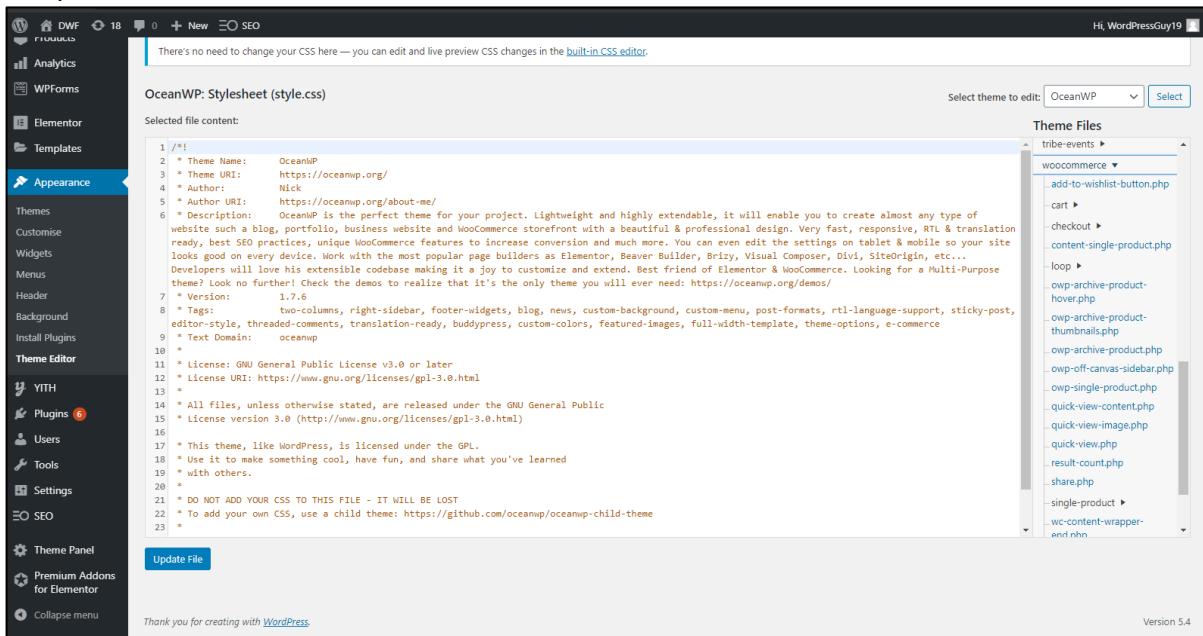


Figure 10.A

The codes for the website which were written in HTML/CSS/JS and PHP can only be accessed from Theme Editor in WordPress dashboard. Furthermore, WordPress automatically establishes a connection to the database on Pantheon which acts as a host.

In this section, we will explain our decisions using screenshots of CMS and show all accomplished features. We also may not have access to the codes for some of the accomplished features but will be explained regardless. We will begin from the database to accomplished features.

10.1 Establishing Connection to the Database [Thierno]

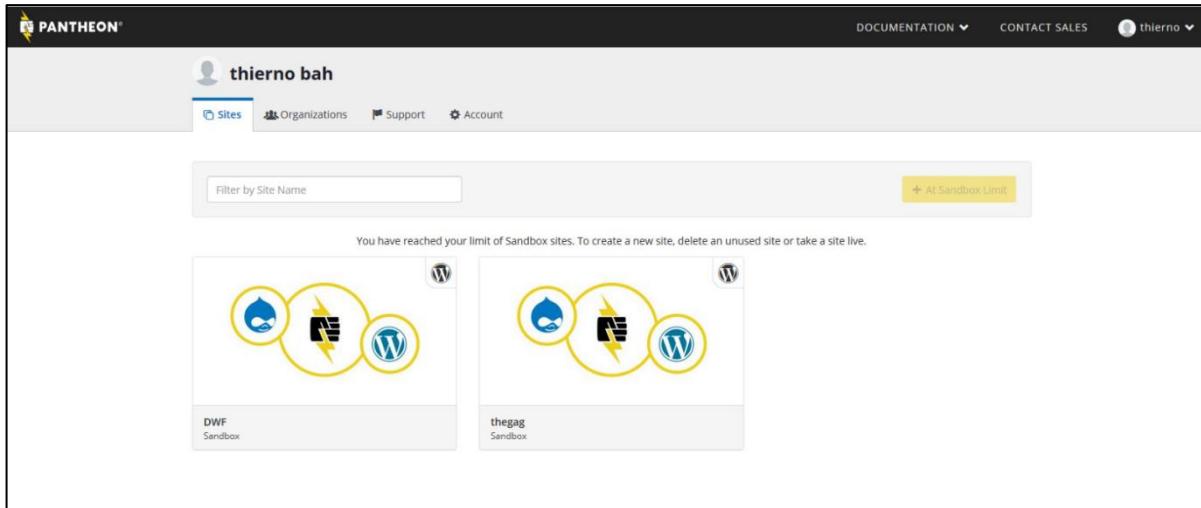


Figure 10.1.1

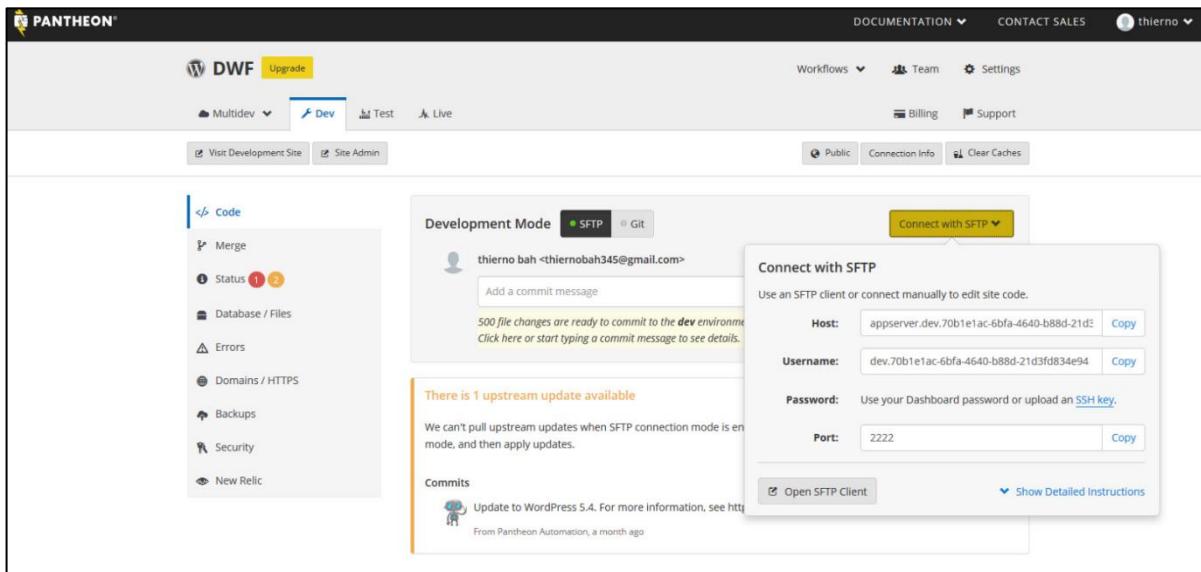
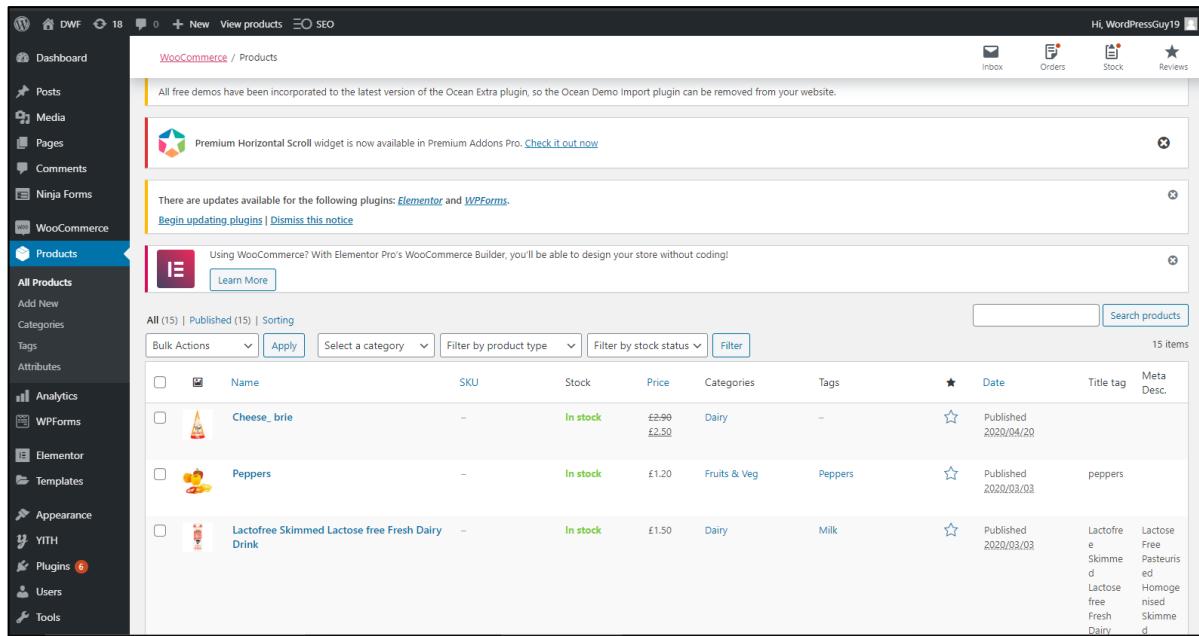


Figure 10.1.2

As explained in the introduction for the Development section, WordPress automatically establishes a connection to Pantheon. As you see in the figure above, the Pantheon dashboard includes our website DWF (Don't Waste Food). Pantheon acts our host which its coding contents cannot be accessed without a premium plan however its address details can be found.

10.2 Product Database [Kevin]



The screenshot shows the WordPress WooCommerce Products dashboard. The left sidebar has a 'Products' section selected. The main area displays a list of products with columns for Name, SKU, Stock, Price, Categories, Tags, Date, Title tag, and Meta Desc. There are three products listed: 'Cheese_brie', 'Peppers', and 'Lactofree Skimmed Lactose free Fresh Dairy Drink'. Each product row includes a checkbox for bulk actions and a star icon for rating.

Name	SKU	Stock	Price	Categories	Tags	Date	Title tag	Meta Desc.
Cheese_brie	-	In stock	£2.99 £2.50	Dairy	-	Published 2020/04/20		
Peppers	-	In stock	£1.20	Fruits & Veg	Peppers	Published 2020/03/03	peppers	
Lactofree Skimmed Lactose free Fresh Dairy Drink	-	In stock	£1.50	Dairy	Milk	Published 2020/03/03	Lactofree Skimmed Lactose free Fresh Dairy	Lactose Free pasteurised Homogenised Skimmed

Figure 10.2.1

This figure shows how the database is managed through the WordPress CMS and WooCommerce plugin. The database CMS is called Products which acts exactly like a database table it includes fields such as name, stock, price and categories etc. It can also be filtered like a recorded query. You can add and remove products however you cannot remove Products unlike tables in the database.

10.3 Accomplished Function: Reviews [Thierno]

DESCRIPTION	REVIEWS (0)
<p>Reviews</p> <p>There are no reviews yet.</p> <p>Your rating</p> <p>★★★★★</p> <p>Your review</p> <p>Great Product! Really Tasty.</p>	
	SUBMIT

Figure 10.3.1



Figure 10.3.2

<p>Reviews</p> <p>Enable reviews</p> <p><input checked="" type="checkbox"/> Enable product reviews</p> <p><input checked="" type="checkbox"/> Show "verified owner" label on customer reviews</p> <p><input type="checkbox"/> Reviews can only be left by "verified owners"</p> <p>Product ratings</p> <p><input checked="" type="checkbox"/> Enable star rating on reviews</p> <p><input checked="" type="checkbox"/> Star ratings should be required, not optional</p> <p>Save changes</p>

Figure 10.3.3

The reviews in each product can be enabled using the WooCommerce plugin in the WordPress dashboard. We made sure reviews can be done by verified and non-verified users where they all must do star rating together.

```

1 <?php
2 /**
3 * The template for displaying Comments.
4 *
5 * The area of the page that contains both current comments and the comment
6 * form. The actual display of comments is handled by a callback to
7 * oceanwp_comment() which is located at functions/comments-callback.php
8 *
9 * @package OceanWP WordPress theme
10 */
11
12 // Return if password is required
13 if ( post_password_required() ) {
14     return;
15 }
16
17 // Add classes to the comments main wrapper
18 $classes = 'comments-area clr';
19
20 if ( get_comments_number() != 0 ) {
21     $classes .= ' has-comments';
22 }
23
24 if ( ! comments_open() && get_comments_number() < 1 ) {
25     $classes .= ' empty-closed-comments';
26     return;
27 }
28
29 if ( 'full-screen' == oceanwp_post_layout() ) {

```

Documentation: Function Name... Look Up Update File

Figure 10.3.4

```

29 if ( 'full-screen' == oceanwp_post_layout() ) {
30     $classes .= ' container';
31 } ?>
32
33 <section id="comments" class="=php echo esc_attr( $classes ); ?&gt;"&gt;
34
35     &lt;?php // You can start editing here -- including this comment! ?&gt;
36
37     &lt;?php if ( have_comments() ) :
38
39         // Get comments title
40         $comments_number = number_format_i18n( get_comments_number() );
41         if ( '1' == $comments_number ) {
42             $comments_title = esc_html__( 'This Post Has One Comment', 'oceanwp' );
43         } else {
44             $comments_title = sprintf( esc_html__( 'This Post Has %s Comments', 'oceanwp' ), $comments_number );
45         }
46         $comments_title = apply_filters( 'ocean_comments_title', $comments_title );
47
48         &lt;h3 class="theme-heading comments-title"&gt;
49             &lt;span class="text"&gt;&lt;?php echo esc_html( $comments_title ); ?&gt;&lt;/span&gt;
50         &lt;/h3&gt;
51
52         &lt;ol class="comment-list"&gt;
53             &lt;?php
54                 // List comments
55                 wp_list_comments( array(
56                     'callback' =&gt; 'oceanwp_comment',
57                     'style'    =&gt; 'ol',
58                     'format'   =&gt; 'html5',
59                 ) );
60             &lt;/ol&gt;&lt;!-- .comment-list --&gt;
61
62             &lt;?php
63                 // Display comment navigation - WP 4.4.0
64                 if ( function_exists( 'the_comments_navigation' ) ) :
65
66                     the_comments_navigation( array(
67                         'prev_text' =&gt; '&lt;i class="fa fa-angle-left"&gt;&lt;/i&gt;'. esc_html__( 'Previous', 'oceanwp' ),
68                         'next_text' =&gt; esc_html__( 'Next', 'oceanwp' ) .'&lt;i class="fa fa-angle-right"&gt;&lt;/i&gt;',
69                     ) );
70
71                 elseif ( get_comment_pages_count() &gt; 1 &amp;&amp; get_option( 'page_comments' ) ) : ?&gt;
72
73                     &lt;div class="comment-navigation cl"&gt;
74                         &lt;?php paginate_comments_links( array(
75                             'prev_text' =&gt; '&lt;i class="fa fa-angle-left"&gt;&lt;/i&gt;'. esc_html__( 'Previous', 'oceanwp' ),
76                             'next_text' =&gt; esc_html__( 'Next', 'oceanwp' ) .'&lt;i class="fa fa-angle-right"&gt;&lt;/i&gt;',
77                         ) );
78                     &lt;/div&gt;
79
80             &lt;?php endif; ?&gt;
</pre

Documentation: Function Name... Look Up Update File


```

Figure 10.3.5

```

52     <ol class="comment-list">
53         <?php
54             // List comments
55             wp_list_comments( array(
56                 'callback' => 'oceanwp_comment',
57                 'style'    => 'ol',
58                 'format'   => 'html5',
59             ) );
60         </ol><!-- .comment-list -->
61
62         <?php
63             // Display comment navigation - WP 4.4.0
64             if ( function_exists( 'the_comments_navigation' ) ) :
65
66                 the_comments_navigation( array(
67                     'prev_text' => '<i class="fa fa-angle-left"></i>'. esc_html__( 'Previous', 'oceanwp' ),
68                     'next_text' => esc_html__( 'Next', 'oceanwp' ) .'<i class="fa fa-angle-right"></i>',
69                 ) );
70
71             elseif ( get_comment_pages_count() > 1 && get_option( 'page_comments' ) ) : ?>
72
73                 <div class="comment-navigation cl">
74                     <?php paginate_comments_links( array(
75                         'prev_text' => '<i class="fa fa-angle-left"></i>'. esc_html__( 'Previous', 'oceanwp' ),
76                         'next_text' => esc_html__( 'Next', 'oceanwp' ) .'<i class="fa fa-angle-right"></i>',
77                     ) );
78                 </div>
79
80             <?php endif; ?>

```

Documentation: Function Name... Look Up Update File

Figure 10.3.6

The screenshot shows the WordPress Theme Editor interface. On the left is a code editor containing PHP code for the 'Comments' template. The code includes logic for user authentication, a comment form with a text area and submit button, and various CSS classes and functions. On the right is a sidebar with a tree view of theme files. The 'Comments' file is selected, highlighted in blue. Other visible files include 'style.css', 'functions.php', 'header.php', 'footer.php', 'image.php', and 'index.php'. At the bottom left is a search bar with 'Function Name...' and a 'Look Up' button. At the bottom center is a blue 'Update File' button.

```

79      <?php endif; ?>
80
81      <?php
82          // Display comments closed message
83          if ( ! comments_open() && get_comments_number() ) : ?>
84              <p class="no-comments"><?php esc_html_e( 'Comments are closed.', 'oceanwp' ); ?></p>
85          </?php endif; ?>
86
87      <?php endif; // have_comments() ?>
88
89      <?php
90          comment_form(
91              array(
92                  'must_log_in'           => '<p class="must-log-in">'. sprintf( esc_html__( 'You must be %1$slogged in%2$s to post a comment.', 'oceanwp' ),',
93                  '<a href="'. wp_login_url( apply_filters( 'the_permalink', get_permalink() ) ).'"', '</a>' ).'</p>',
94                  'logged_in_as'          => '<p class="logged-in-as">'. esc_html__( 'Logged in as', 'oceanwp' ).' <a href="'. admin_url( 'profile.php' ).'">'.
95                  '$user_identity .'</a>, <a href="'. wp_logout_url( get_permalink() ).'" title="'. esc_html__( 'Log out of this account', 'oceanwp' ).'">'. esc_html__(
96                  'Log out &raquo;', 'oceanwp' ).'</a></p>',
97                  'comment_notes_before'   => false,
98                  'comment_notes_after'   => false,
99                  'comment_field'         => '<div class="comment-textarea"><textare name="comment" id="comment" cols="39" rows="4" tabindex="100"
100                     class="textarea-comment" placeholder="'. esc_html__( 'Your Comment Here...', 'oceanwp' ).'"></textare></div>',
101                     'id_submit'             => 'comment-submit',
102                     'label_submit'          => esc_html__( 'Post Comment', 'oceanwp' ),
103             );
104     ); ?>
105
106     </section><!-- #comments -->

```

Figure 10.3.7

This the PHP code for the Reviews labelled ‘Comments’ which is automatically generated by WordPress. It is accessed through the Theme Editor on WordPress Dashboard. It makes sure the user is logged in before making reviews, else they will be required to log in. The logged-in user does not require to be verified to post a review but can verify their account and post a review as well.

10.4 Accomplished Function: Login/Registration [Kevin]

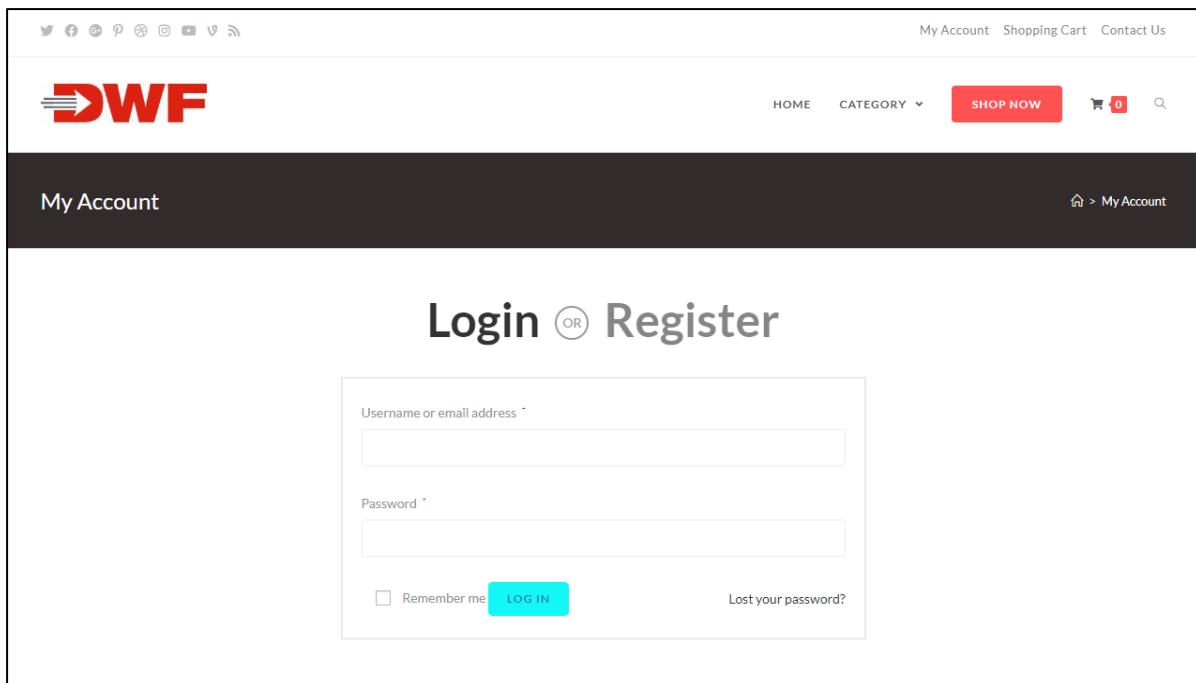


Figure 10.4.1

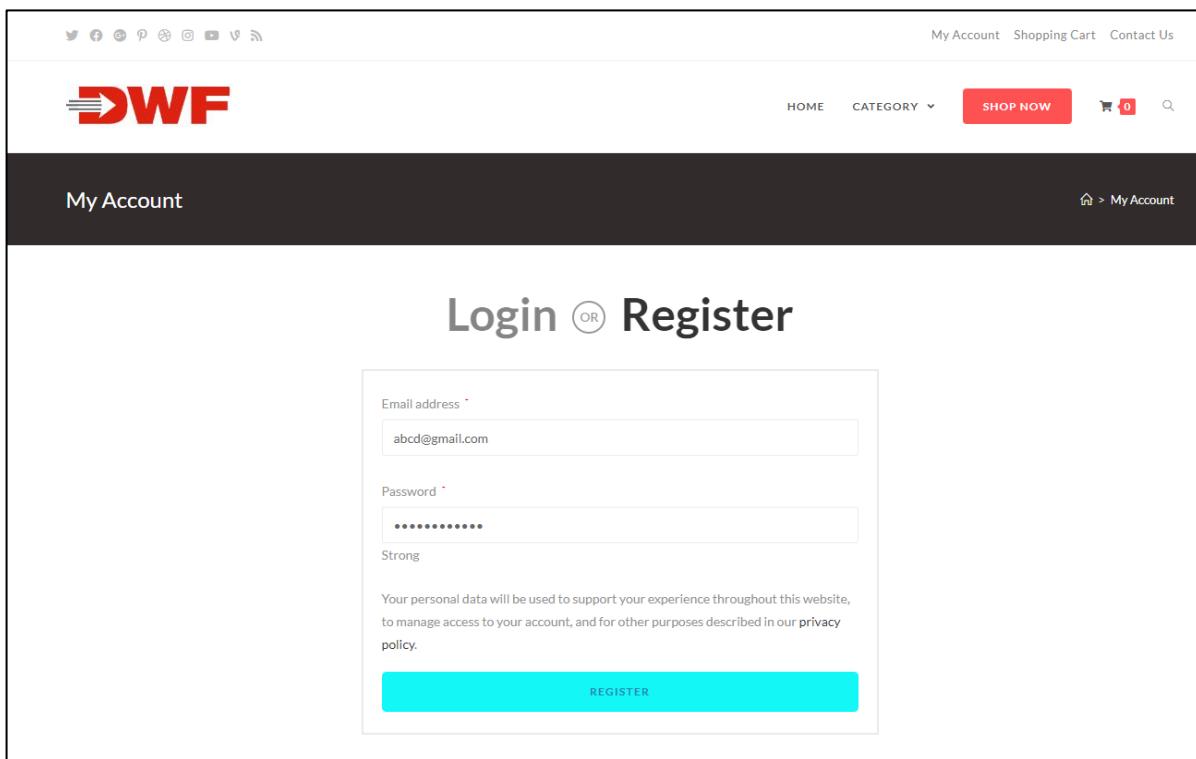


Figure 10.4.2

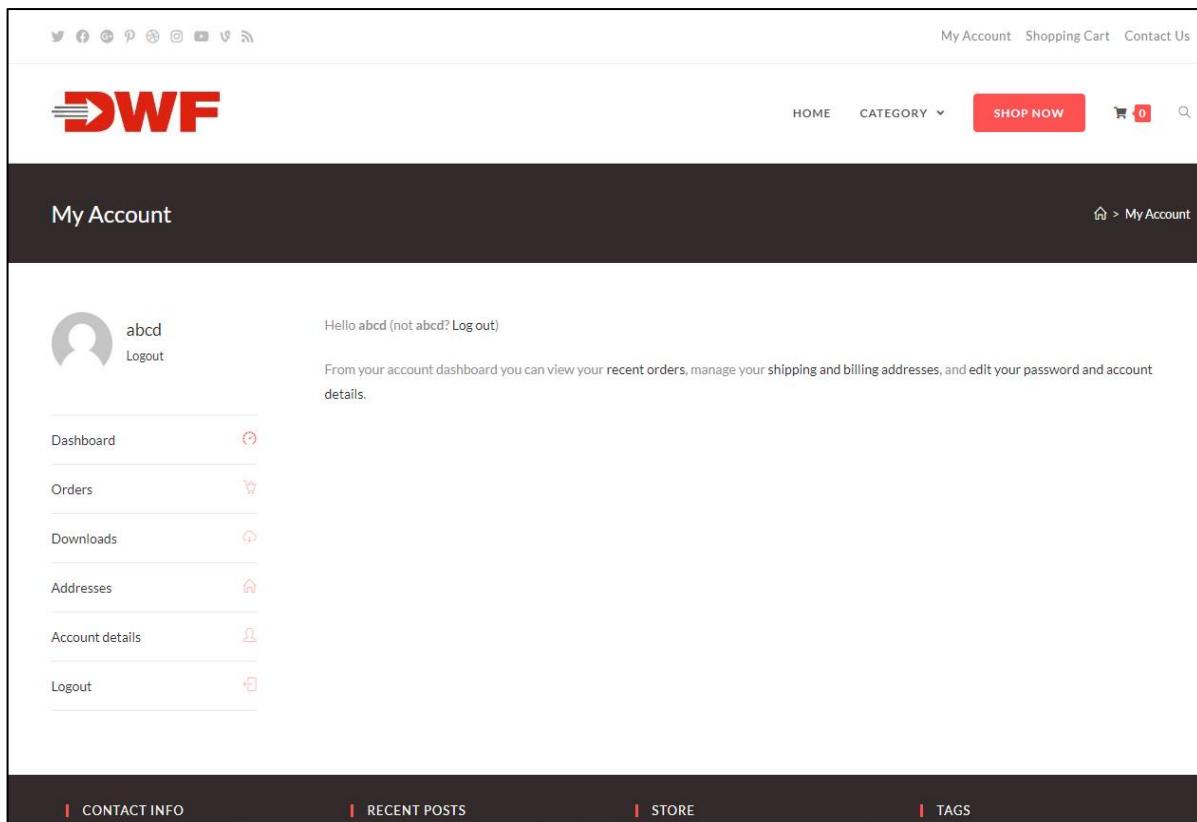


Figure 10.4.3

The Login and Registration feature was part of the template already which we made visual and text adjustment using WordPress tool Elementor.

The screenshot shows the 'Accounts & Privacy' settings page in the WooCommerce Admin. The top navigation bar includes 'WooCommerce / Settings / Accounts & Privacy' and a 'WOOCOMMERCE ADMIN: HISTORICAL ANALYTICS DATA' section with a 'Get Started' button. Below this, a note says 'To view your historical analytics data, you must process your existing orders and customers.' A 'General' tab is selected among several others: 'Products', 'Shipping', 'Payments', 'Accounts & Privacy' (which is active), 'Emails', 'Integration', and 'Advanced'. Under the 'Guest checkout' section, two checkboxes are checked: 'Allow customers to place orders without an account' and 'Allow customers to log into an existing account during checkout'. Under the 'Account creation' section, three checkboxes are checked: 'Allow customers to create an account during checkout', 'Allow customers to create an account on the "My account" page', and 'When creating an account, automatically generate an account username for the customer based on their name, surname or email'. An unchecked checkbox 'When creating an account, automatically generate an account password' is also present.

Figure 10.4.4

We also had to enable accounts through WooCommerce plugin. We also have allowed users to shop without an account. The users can create an account during checkout or if they click on the “My Account” page. The PHP code could not be found in the Theme Editor.

10.5 Accomplished Function: Categories [Kevin]

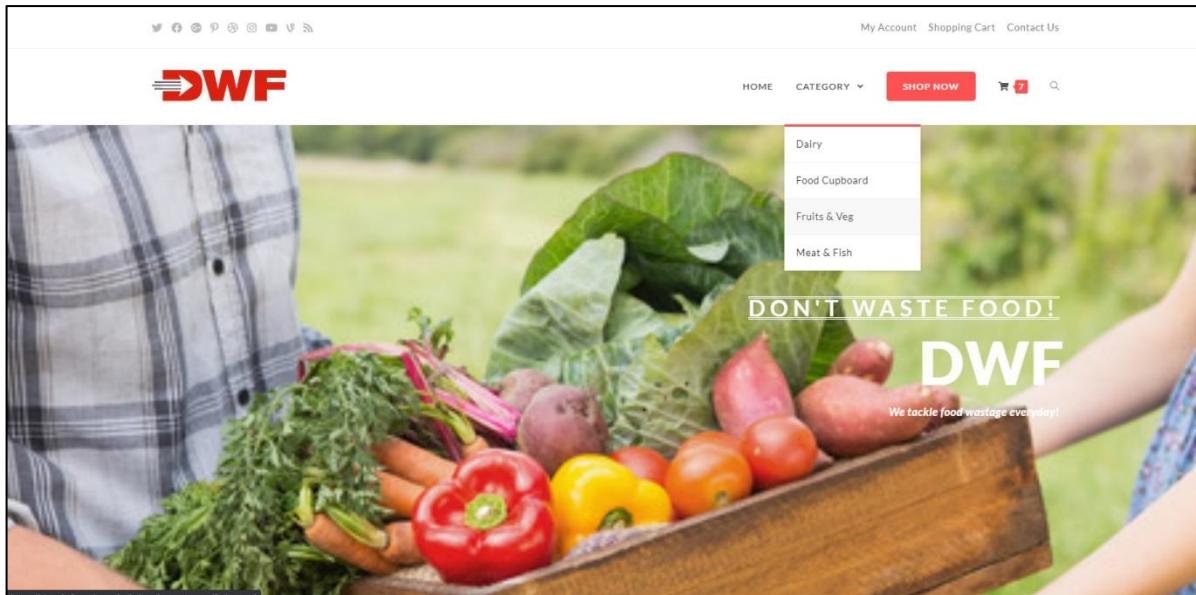


Figure 10.5.1

A screenshot of the WooCommerce Product categories screen. The left sidebar contains sections for 'Add new category' (Name: 'Uncategorized', Slug: 'fruits', Parent category: 'None'), 'Description' (Bebop and Big Band), and notices about free demos and plugin updates. The main area shows a table of 16 items with columns for Bulk Actions, Image, Name, Description, Slug, and Count. The categories listed are Uncategorized, Apple, — Jackets, — Pants, — Suit, and Dairy. The 'Dairy' category has a count of 4.

Figure 10.5.2

We manage to implement four main categories for our products: Dairy, Food Cupboard, Fruit & Veg, and Meat & Fish. Each category has its page with products that fall into that category. Categories are created using the WooCommerce plugin which allows us to create a new category. When we are adding a new product to the Products database we can easily give them an existing category and they will automatically appear in its category page.

10.6 Accomplished Function: Filters/Sort [N/A]

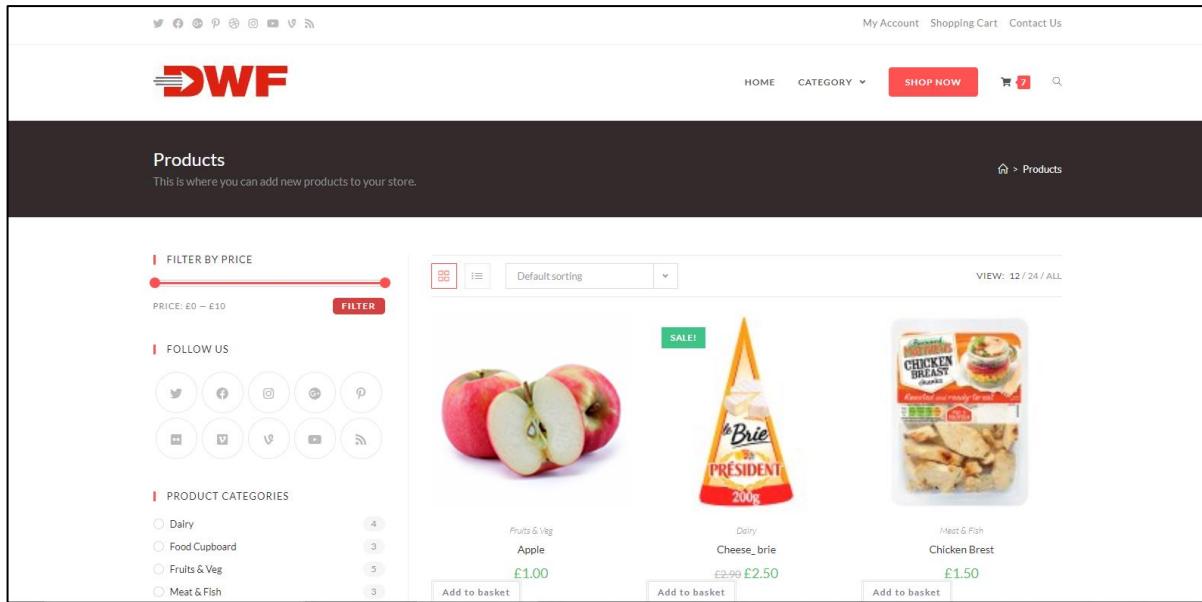


Figure 10.6.1

Every shop page includes a filter which will filter the product based on the price. This feature was automatically included within the template, so it didn't require any adjustment. Another feature included in the template was sorting, which sorts all products based on a condition e.g. low to high. Product with the lowest price will be displayed first then the higher priced products.

10.7 Accomplished Function: Product Page [Kevin]

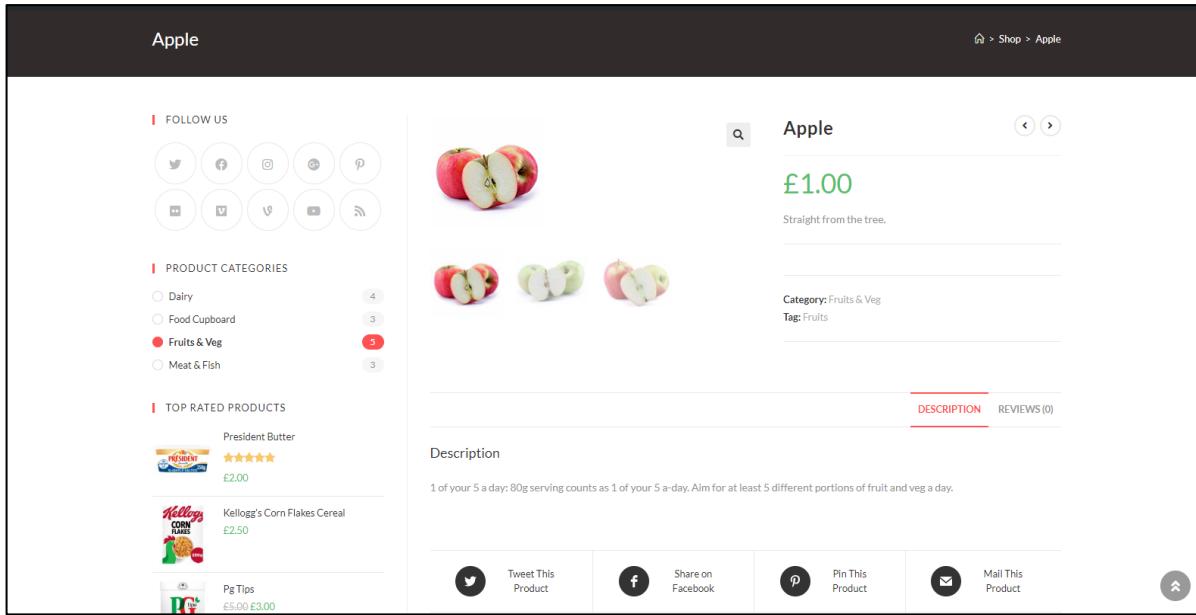


Figure 10.7.1

This is a product page, each product has its page. They include specific details such as description, price and category. Product page can be modified using the WooCommerce plugin on the Products section.

A screenshot of the WordPress admin interface, specifically the WooCommerce Products section. The left sidebar shows various menu items like Dashboard, Posts, Media, Pages, Comments, Ninja Forms, WooCommerce, and Products. Under Products, there are sub-options for All Products, Add New, Categories, Tags, Attributes, Analytics, WPForms, Elementor, Templates, Appearance, YITH, Plugins (with a red notification badge), Users, and Tools. The main content area is titled "Edit product" and shows a form for an item named "Apple". The form includes fields for Permalink (set to https://dev-dwf.pantheonsite.io/product/boot-noos/), a "Edit with Elementor" button, and a rich text editor with visual and text tabs. A note says "All free demos have been incorporated to the latest version of the Ocean Extra plugin, so the Ocean Demo Import plugin can be removed from your website." Another note says "There are updates available for the following plugins: Elementor and WPForms." Buttons for "Begin updating plugins" and "Dismiss this notice" are shown. To the right, there's a "Publish" sidebar with options like "Preview Changes", "Status: Published", "Visibility: Public", "Revisions: 2", "Published on: 8 Apr 2016 at 13:37", "Duplicate This", "Catalog visibility: Shop and search results", "Copy to a new draft", "Move to Bin", and an "Update" button. At the bottom, there's a "Product categories" section with a dropdown menu for "All categories" and "Most Used". The URL in the browser bar is https://dev-dwf.pantheonsite.io/wp-admin/edit.php?post_type=product&action=duplicate_product.

Figure 10.7.2

This figure shows the Products section (database) on the WooCommerce plugin for the product, Apple. You can write the name of the product and write a description.

The screenshot shows the WooCommerce Product Editor. On the left, there's a sidebar titled 'OceanWP Settings' with sections for Main, Shortcodes, Header, Logo, Menu, Title, Breadcrumbs, and Footer. Under 'Product data', it's set to 'Simple product'. The 'General' tab shows 'Regular price (€) 1.00'. The 'Inventory' tab shows 'Sale price (€)' with a button 'Schedule'. On the right, there are tabs for 'Inbox', 'Orders', 'Stock', and 'Reviews'. Below these are sections for 'Product tags' (with a search bar for 'Jeans' and a button '+ Add new category'), 'Post Attributes' (with a dropdown for 'Default Template'), and 'Product image' (which displays a thumbnail of two apples and includes links to edit or remove it).

Figure 10.7.3

You can also add the image of the product using the right tab section ‘Product Image’. You can also set the regular price and sales price, which the regular price is 1.00 now.

The screenshot shows the OceanWP theme editor. It displays the code for the file `wp-single-product.php`. The code handles the single product template, including logic for direct access and loops through summary elements. A sidebar on the right lists other theme files like `cart.php`, `checkout.php`, and `loop.php`. At the bottom, there's a search bar for documentation and a button to 'Update File'.

Figure 10.7.4

OceanWP: owp-single-product.php (woocommerce/owp-single-product.php)

Select theme to edit: OceanWP

Selected file content:

```

24 // Rating
25 if ( 'rating' == $element ) {
26     woocommerce_template_single_rating();
27 }
28
29 // Price
30 if ( 'price' == $element ) {
31     woocommerce_template_single_price();
32 }
33
34 // Excerpt
35 if ( 'excerpt' == $element ) {
36     woocommerce_template_single_excerpt();
37 }
38
39 // Quantity & Add to cart button
40 if ( 'quantity-button' == $element ) {
41     woocommerce_template_single_add_to_cart();
42 }
43
44 // Meta
45 if ( 'meta' == $element ) {
46     woocommerce_template_single_meta();
47 }
48
49
50 do_action( 'ocean_after_single_product' . $element );
51
52 }
```

Documentation:

Theme Files

- cart ▶
- checkout ▶
- content-single-product.php
- loop ▶
- owp-archive-product-hover.php
- owp-archive-product-thumbnails.php
- owp-archive-product.php
- owp-off-canvas-sidebar.php
- owp-single-product.php
- quick-view-content.php
- quick-view-image.php
- quick-view.php
- result-count.php
- share.php
- single-product ▶
- wc-content-wrapper-end.php
- wc-content-wrapper.php
- sass ▶

Figure 10.7.5

This figures how the PHP code for the product page. It will display important details of the product such as description, images price, rating and quantity etc.

10.8 Accomplished Function: Add to Basket [Thierno]

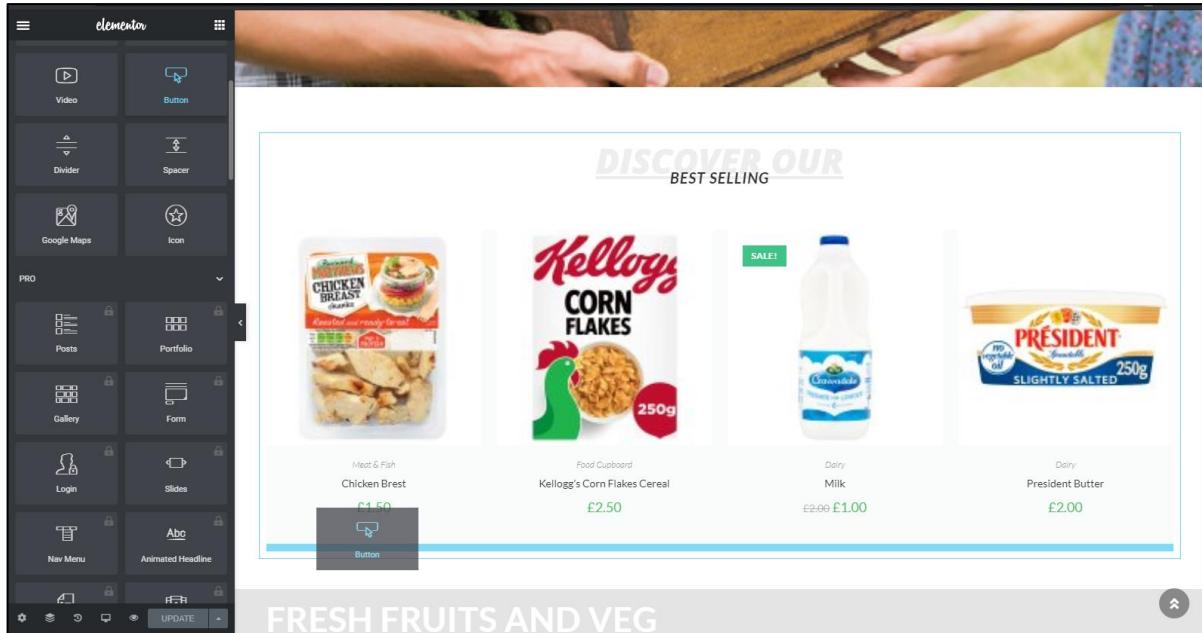


Figure 10.8.1

We added Add to Basket button using Elementor for the homepage products. The Add to Basket button was part of the template for the shop pages so we did not require adding buttons for them.

OceanWP: add-to-wishlist-button.php (woocommerce/add-to-wishlist-button.php)

Select theme to edit: OceanWP Select

Theme Files

Selected file content:

```
1 <?php
2 /**
3 * Add to wishlist button template
4 */
5 * @author Your Inspiration Themes
6 * @package YITH WooCommerce Wishlist
7 * @version 2.0.8
8 */
9
10 if ( ! defined( 'YITH_WCWL' ) ) {
11     exit;
12 } // Exit if accessed directly
13
14 global $product;
15 ?
16
17 <a href="php echo esc_url( add_query_arg( 'add_to_wishlist', $product_id ) )?&gt;" rel="nofollow" data-product-id="<?php echo $product_id ?&gt;" data-product-type="<?php echo $product_type?&gt;" class="<?php echo $link_classes ?&gt;"
18     <?php echo $icon ?>
19     <?php echo $label ?>
20 </a>
21 cart->is_empty() ) : ?>
25
26     <ul class="woocommerce-mini-cart cart_list product_list_widget" ><?php echo esc_attr( $args['list_class'] ); ?></ul>
27     <?php
28         do_action( 'woocommerce_before_mini_cart_contents' );
29
Documentation: Function Name... Look Up
Update File

```

Figure 10.9.2

OceanWP: mini-cart.php (woocommerce/cart/mini-cart.php)

Select theme to edit: OceanWP

Selected file content:

```
29
30     foreach ( WC()->cart->get_cart() as $cart_item_key => $cart_item ) {
31         $product = apply_filters( 'woocommerce_cart_item_product', $cart_item['data'], $cart_item, $cart_item_key );
32         $product_id = apply_filters( 'woocommerce_cart_item_product_id', $cart_item['product_id'], $cart_item, $cart_item_key );
33
34         if ( $product && $product->exists() && $cart_item['quantity'] > 0 && apply_filters( 'woocommerce_widget_cart_item_visible', true, $cart_item, $cart_item_key ) ) {
35             $product_name = apply_filters( 'woocommerce_cart_item_name', $product->get_name(), $cart_item, $cart_item_key );
36             $thumbnail = apply_filters( 'woocommerce_cart_item_thumbnail', $product->get_image(), $cart_item, $cart_item_key );
37             $product_price = apply_filters( 'woocommerce_cart_item_price', WC()->cart->get_product_price( $product ), $cart_item, $cart_item_key );
38
39             $product_permalink = apply_filters( 'woocommerce_cart_item_permalink', $product->is_visible() ? $product->get_permalink( $cart_item ) : '',
40             $cart_item, $cart_item_key );
41
42             <li class="woocommerce-mini-cart-item"><?php echo esc_attr( apply_filters( 'woocommerce_mini_cart_item_class', 'mini_cart_item', $cart_item, $cart_item_key ) ); ?>
43                 <div class="owp-grid-wrap">
44                     <div class="owp-grid thumbnail">
45                         <?php if ( ! $product->is_visible() ) : ?>
46                         <?php echo str_replace( array( 'http:', 'https:' ), '', $thumbnail ); ?>
47                         <?php else : ?>
48                             <a href="?><?php echo esc_url( $product_permalink ); ?>">
49                             <?php echo str_replace( array( 'http:', 'https:' ), '', $thumbnail ); ?>
50                         </a>
51                     </div>
52
53                     <div class="owp-grid content">
54                         <?php if ( ! empty( $product_permalink ) ) : ?>
```

Documentation:

Theme Files

- sidebar-left.php
- Sidebar
 - (sidebar.php)
- Singular Template
 - (singular.php)
- templates ▾
- tribe-events ▾
- woocommerce ▾
 - add-to-wishlist-button.php
 - cart ▾
 - mini-cart.php
 - checkout ▾
 - content-single-product.php
 - loop ▾
 - owp-archive-product-hover.php
 - owp-archive-product-thumbnails.php
 - owp-archive-product.php
 - owp-off-canvas-sidebar.php
 - owp-single-product.php

Figure 10.9.3

OceanWP: mini-cart.php (woocommerce/cart/mini-cart.php)

Select theme to edit: OceanWP

Selected file content:

```
51             <div class="owp-grid content">
52                 <div>
53                     <?php if ( empty( $product_permalink ) ) : ?>
54                         <h3>
55                             <?php echo $product_name; ?>
56                         </h3>
57                     <?php else : ?>
58                         <h3>
59                             <a href="<?php echo esc_url( $product_permalink ); ?>">
60                                 <?php echo $product_name; ?>
61                             </a>
62                         </h3>
63                     <?php endif; ?>
64
65                     <?php echo wc_get_formatted_cart_item_data( $cart_item ); ?>
66
67                     <?php echo apply_filters( 'woocommerce_widget_cart_item_quantity', '<span class="quantity">' . sprintf( '%s &times; %s',
68 $cart_item['quantity'], $product_price ) . '</span>', $cart_item, $cart_item_key ); ?>
69                     <?php
70                         echo apply_filters( 'woocommerce_cart_item_remove_link', sprintf(
71                             <a href="%s" class="remove remove_from_cart_button" aria-label="%s" data-product_id="%s" data-cart_item_key="%s"
72                             data-product_sku="%s">%s</a>',
73                             esc_url( wc_get_cart_remove_url( $cart_item_key ) ),
74                             __( 'Remove this item', 'oceanwp' ),
75                             esc_attr( $product_id ),
76                             esc_attr( $cart_item_key ),
77                             esc_attr( $_product->get_sku() )
78                         ), $cart_item_key
79                     );
80                 </div>
81             </div>
82         <div>
```

Theme Files

- sidebar-left.php
- Sidebar (sidebar.php)
- Singular Template (singular.php)
- templates ▾
- tribe-events ▾
- woocommerce ▾
 - cart ▾
 - mini-cart.php
 - checkout ▾
 - content-single-product.php
- loop ▾
 - owp-archive-product-hover.php
 - owp-archive-product-thumbnails.php
 - owp-archive-product.php
 - owp-off-canvas-sidebar.php
 - owp-single-product.php

Documentation:

Figure 10.9.4

OceanWP: mini-cart.php (woocommerce/cart/mini-cart.php)

Selected file content:

```

78         );
79     >,
80     </div>
81   </div>
82   </li>
83   <?php
84   }
85 }
86
87 do_action( 'woocommerce_mini_cart_contents' );
88 >;
89 </ul>
90
91 <p class="woocommerce-mini-cart__total total">
92 <?php
93 /**
94 * Woocommerce_widget_shopping_cart_total hook.
95 *
96 * @hooked woocommerce_widget_shopping_cart_subtotal - 10
97 */
98 do_action( 'woocommerce_widget_shopping_cart_total' );
99 >;
100 </p>
101
102 <?php do_action( 'woocommerce_widget_shopping_cart_before_buttons' ); ?>
103
104 <p class="woocommerce-mini-cart__buttons buttons"><?php do_action( 'woocommerce_widget_shopping_cart_buttons' ); ?></p>
105
106 <?php do_action( 'woocommerce_widget_shopping_cart_after_buttons' ); ?> >

```

Documentation: Function Name... Look Up

Update File

Theme Files

- sidebar-left.php
- Sidebar (sidebar.php)
- Singular Template (singular.php)
- templates ▾
- tribe-events ▾
- woocommerce ▾
- add-to-wishlist-button.php
- cart ▾
- mini-cart.php**
- checkout ▾
- content-single-product.php
- loop ▾
- owp-archive-product-hover.php
- owp-archive-product-thumbnails.php
- owp-archive-product.php
- owp-off-canvas-sidebar.php
- owp-single-product.php

Thank you for creating with WordPress.

Version 5.4

Figure 10.9.5

OceanWP: mini-cart.php (woocommerce/cart/mini-cart.php)

Selected file content:

```

88 do_action( 'woocommerce_mini_cart_contents' );
89 >;
90 </ul>
91
92 <p class="woocommerce-mini-cart__total total">
93 <?php
94 /**
95 * Woocommerce_widget_shopping_cart_total hook.
96 *
97 * @hooked woocommerce_widget_shopping_cart_subtotal - 10
98 */
99 do_action( 'woocommerce_widget_shopping_cart_total' );
100 >;
101 </p>
102
103 <?php do_action( 'woocommerce_widget_shopping_cart_before_buttons' ); ?>
104
105 <p class="woocommerce-mini-cart__buttons buttons"><?php do_action( 'woocommerce_widget_shopping_cart_buttons' ); ?></p>
106
107 <?php do_action( 'woocommerce_widget_shopping_cart_after_buttons' ); ?>
108
109 <?php else : ?>
110
111 <p class="woocommerce-mini-cart__empty-message"><?php esc_html_e( 'No products in the cart.', 'oceanwp' ); ?></p>
112
113 <?php endif; ?>
114
115 <?php do_action( 'woocommerce_after_mini_cart' ); ?>
116

```

Documentation: Function Name... Look Up

Update File

Theme Files

- sidebar-left.php
- Sidebar (sidebar.php)
- Singular Template (singular.php)
- templates ▾
- tribe-events ▾
- woocommerce ▾
- add-to-wishlist-button.php
- cart ▾
- mini-cart.php**
- checkout ▾
- content-single-product.php
- loop ▾
- owp-archive-product-hover.php
- owp-archive-product-thumbnails.php
- owp-archive-product.php
- owp-off-canvas-sidebar.php
- owp-single-product.php

Thank you for creating with WordPress.

Version 5.4

Figure 10.9.6

These figures show the PHP code for the Cart page. It includes all features that can be done with the form in the cart page. Such as removing the product from the cart and adding more quantity for a product. It also makes sure the subtotal changes based on the action from the user.

10.10 Accomplished Function: Item Suggestions [N/A]

Related products



<p>Meat & Fish Classic Frankfurter Hot Dogs £1.50 - £3.00</p> <p>View products</p>	<p>Meat & Fish Peperoni £2.75</p> <p>Add to Basket</p>
---	---

Figure 10.10.1

This is the Item Suggestion which will appear below in every Product page. This feature was already part of the template. It just suggests a product with the same category. For example, this is the Chicken Breast product page which is part of the Meat & Fish category. The products suggested are frankfurters and pepperoni which are also part of the same category.

10.11 Accomplished Function: Coupons [Fahimul]

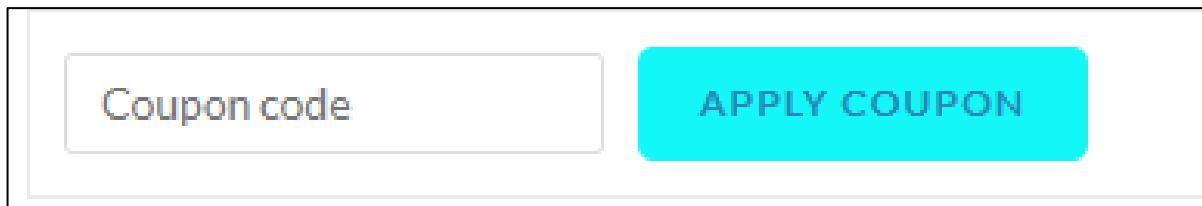


Figure 10.11.1

Coupons are a great way to keep customers buying your products. Coupon will be distributed to loyal customers through their emails.

A screenshot of the WooCommerce 'Coupons' section in the WordPress admin dashboard. The left sidebar has a dark theme with various menu items like 'Dashboard', 'Orders', 'Coupons', etc. The main area shows a table of existing coupons. The table has columns for 'Code', 'Coupon type', 'Coupon amount', 'Description', 'Product IDs', 'Usage / Limit', and 'Expiry date'. There are two rows in the table. The first row has a code 'ajs892jak', type 'Fixed basket discount', amount '0.50', and expiry date 'May 31, 2020'. The second row has a code 'Code', type 'Coupon type', amount 'Coupon amount', and no other details filled in. There are 'Bulk Actions' and 'Apply' buttons at the top of the table, and a search bar at the bottom right.

Figure 10.11.2

We created our coupons using the WooCommerce plugin. There is a section called Coupons where we can create them. We can set the code, coupon type, discount amount, usage and expiry date etc. Coupon codes can be used wrongly, so setting a usage limit and expiry date is important.

10.12 Accomplished Function: Payment Options [Fahimul]

YOUR ORDER

PRODUCT	SUBTOTAL
Chicken Brest × 2	£3.00
Kellogg's Corn Flakes Cereal × 3	£7.50
Pg Tips × 1	£3.00
Milk × 1	£1.00
Apple × 1	£1.00
Subtotal	£15.50
Total	£15.50

Direct bank transfer

Make your payment directly into our bank account. Please use your Order ID as the payment reference. Your order will not be shipped until the funds have cleared in our account.

PayPal [What is PayPal?](#)

Your personal data will be used to process your order, support your experience throughout this website, and for other purposes described in our [privacy policy](#).

PLACE ORDER

Figure 10.12.1

These are the payment options, which will only appear in the Checkout page. The customer can select Direct bank transfer or PayPal as a payment option.

The screenshot shows the WordPress admin dashboard with the WooCommerce plugin active. The left sidebar has a 'WooCommerce' section selected. The main content area is titled 'Payments' under 'Settings'. It displays a list of installed payment methods: Direct bank transfer, Cheque payments, Cash on delivery, and PayPal. Each method has an 'Enabled' switch (all are on), a description, and a 'Manage' or 'Set up' button. A 'Save changes' button is at the bottom.

Method	Enabled	Description
Direct bank transfer	On	Take payments in person via BACS. More commonly known as direct bank/wire transfer.
Cheque payments	Off	Take payments in person via cheques. This offline gateway can also be useful to test purchases.
Cash on delivery	Off	Have your customers pay with cash (or by other means) upon delivery.
PayPal	On	PayPal Standard redirects customers to PayPal to enter their payment information.

Figure 10.12.2

For payment options to appear we need to first enable them through WooCommerce plugin's setting. If we click on the Payments we can see the type of payments able to set up. We chose PayPal and Direct bank transfer because they are the most suitable for online payments. While Cash on delivery and cheque payments isn't a reliable source of payment.

10.13 Accomplished Function: Billing Form [Kevin]

The screenshot shows the WordPress customizer interface with the 'Published' tab selected. On the left, a sidebar lists various theme customization options like Site Identity, Menus, Widgets, etc. A blue header bar at the top says 'You are customising DWF'. The main area displays a billing form with fields for First name, Last name, Company name (optional), Country / Region (set to United Kingdom (UK)), Street address, Apartment, suite, unit, etc. (optional), Town / City, and County (optional). Above the form is a note: 'HAVE A COUPON? CLICK HERE TO ENTER YOUR CODE'. To the right is a 'YOUR ORDER' section showing a table of items: Chicken Breast (x2, £3.00), Kellogg's Corn Flakes Cereal (x3, £7.50), Pg Tips (x1, £3.00), and Milk (x1, £1.00). The subtotal is £14.50 and the total is £14.50. Below the table is a note: 'Make your payment directly into our bank account. Please use your Order ID as the payment reference. Your order will not be shipped until the funds have cleared in our account.' There is also a radio button for 'Direct bank transfer'.

Figure 10.13.1

The billing form was provided by the template and could be customised using Edit feature in WordPress. We made sure we include relevant fields and included validations on required fields, so the customers won't miss out on those details.

10.14 Accomplished Function: Search Feature [Thierno]

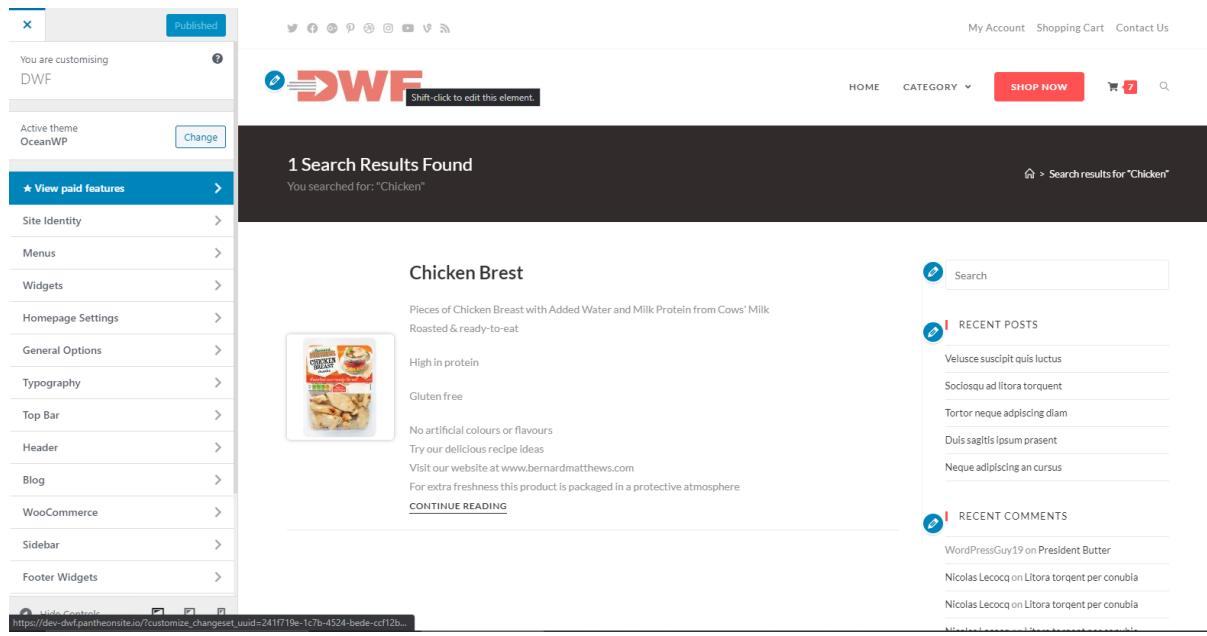


Figure 10.14.1

This is the search page which will appear when you search for a product. The search feature was also included in the template which we made a slight adjustment on what information it will return using the Edit feature. It will only display existing product and non-existent product will result in an empty page alerting the user the product doesn't exist.

A screenshot of the OceanWP theme editor interface. The left panel shows the PHP code for the "Search Form (searchform.php)" file. The code includes logic for handling GET requests and displaying a search form with a placeholder for the search term. The right panel shows a tree view of the theme files, with "Search Form (searchform.php)" highlighted. At the bottom, there are buttons for "Documentation", "Function Name...", "Look Up", and "Update File".

Figure 10.14.2

This is the PHP code for the search form. It allows the user to type something in the search bar and look for results.

OceanWP: Search Results (search.php)

Selected file content:

```

1 <?php
2 /**
3 * The template for displaying Search Results pages.
4 *
5 * @package OceanWP WordPress theme
6 */
7
8 get_header(); ?>
9
10 <?php do_action( 'ocean_before_content_wrap' ); ?>
11
12 <div id="content-wrap" class="container clr">
13
14     <?php do_action( 'ocean_before_primary' ); ?>
15
16     <div id="primary" class="content-area clr">
17
18         <?php do_action( 'ocean_before_content' ); ?>
19
20         <div id="content" class="site-content clr">
21
22             <?php do_action( 'ocean_before_content_inner' ); ?>
23
24             <?php if ( have_posts() ) : ?>
25
26                 <?php while ( have_posts() ) : the_post(); ?>
27
28                 <?php get_template_part( 'partials/search/layout' ); ?>

```

Documentation: Function Name... Look Up

[Update File](#)

Theme Files

- Theme Footer (footer.php)
- Theme Header (header.php)
- Image Attachment Template (image.php)
- Main Index Template (index.php)
- Single Page (page.php)
- partials ▾
- Search Results (search.php) Selected
- Search Form (searchform.php)
- sidebar-left.php
- Sidebar (sidebar.php)
- Singular Template (singular.php)
- templates ▾
- tribe-events ▾
- woocommerce ▾

Figure 10.14.3

```

28         <?php get_template_part( 'partials/search/layout' ); ?>
29
30     <?php endwhile; ?>
31
32     <?php oceanwp_pagination(); ?>
33
34     <?php else : ?>
35
36         <?php
37             // Display no post found notice
38             get_template_part( 'partials/none' ); ?>
39
40     <?php endif; ?>
41
42         <?php do_action( 'ocean_after_content_inner' ); ?>
43
44     </div><!-- #content -->
45
46     <?php do_action( 'ocean_after_content' ); ?>
47
48     </div><!-- #primary -->
49
50     <?php do_action( 'ocean_after_primary' ); ?>
51
52     </div><!-- #content-wrap -->
53
54     <?php do_action( 'ocean_after_content_wrap' ); ?>
55
56 <?php get_footer(); ?>

```

Documentation: Function Name... Look Up

[Update File](#)

Thank you for creating with [WordPress](#).

Version 5.4

Figure 10.14.4

These figures show the PHP code for the search result. If there is an existing product then it will return a product which the user can click, and it will take them to its product page. If the product does not exist, then it will give feedback to the user stating the product does not exist.

10.15 Accomplished Function: Admin Panel [N/A]

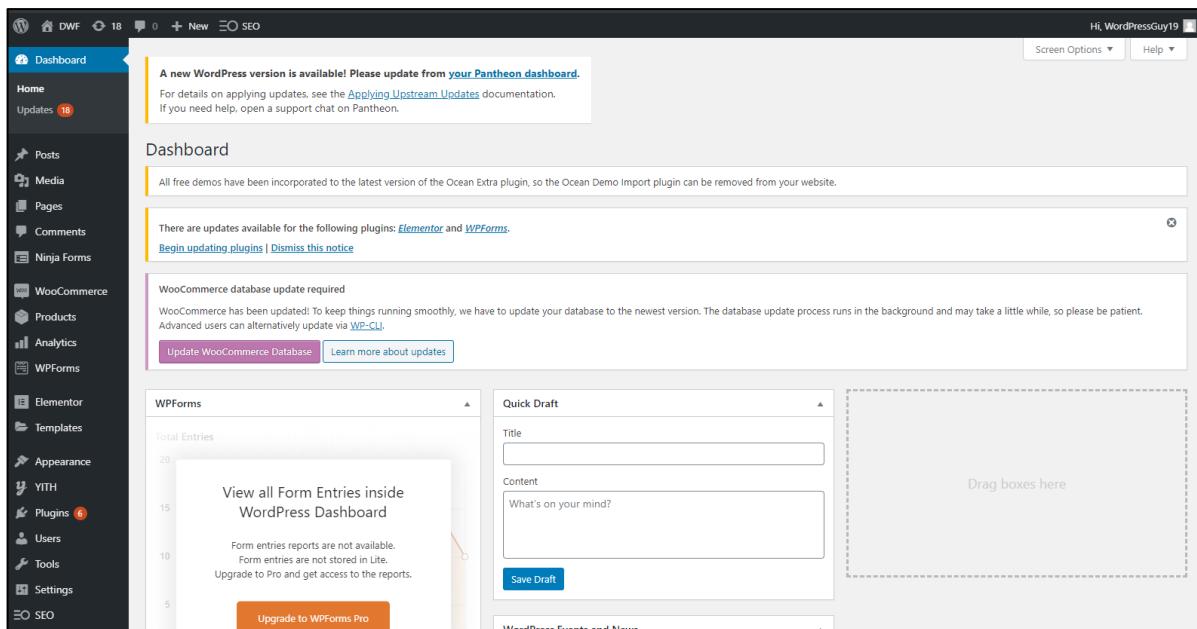


Figure 10.15.1

The admin panel is given to all WordPress users since WordPress uses CMS to develop the website. This is where we adjust our existing products, settings, codes and page etc.

10.16 Accomplished Function: Social Media/Contact Info[Thierno]

The social media feature automatically comes alongside the template which can be edited using the WordPress dashboard.

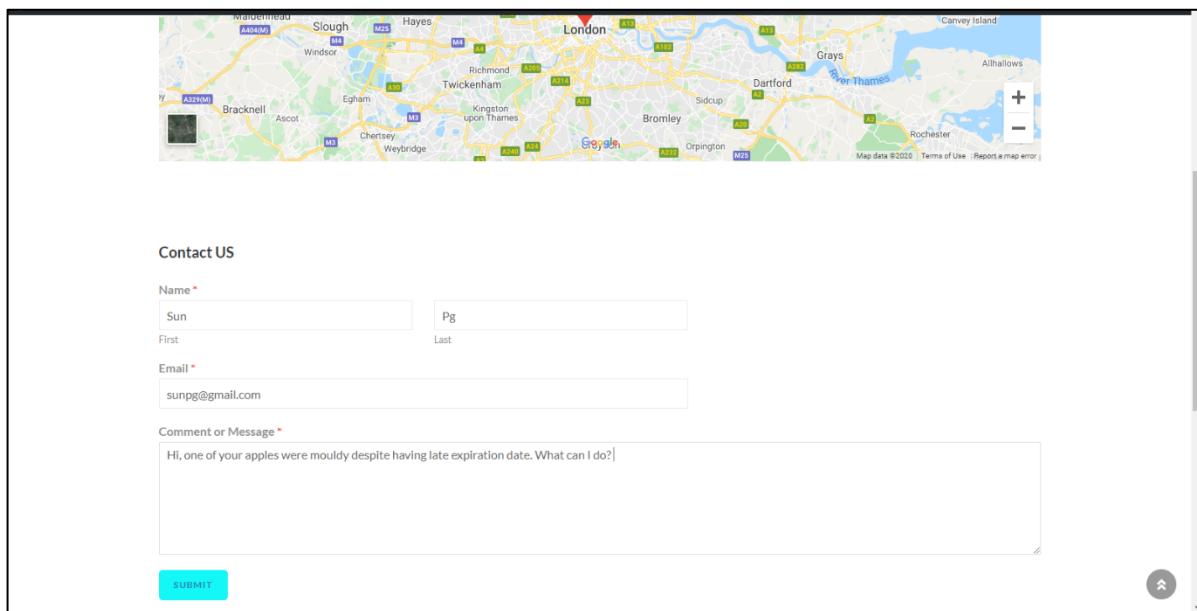


Figure 10.16.1

Contact US

Thanks for contacting us! We will be in touch with you shortly.

Figure 10.16.2

The Contact Us page allows the customers to make queries and it is created using a different WordPress plugin called Ninja Forms. Ninja Forms allowed us to create a responsive form with appropriate fields.

NINJA FORMS

Forms Services Apps & Integrations

ADD NEW

Search Forms

TITLE	SHORTCODE	DATE CREATED
Contact Me	[ninja_form id=2]	08/24/16 4:39 PM

Figure 10.16.3

Create multi-column form layouts with Layout & Style...learn more now!

Form Fields Emails & Actions Advanced Preview Changes

Contact Me

Email *

Message *

SUBMIT

Figure 10.16.4

The screenshot shows the Ninja Forms interface for a form titled "Contact Me". At the top, there are tabs for "Form Fields", "Emails & Actions" (which is currently selected), "Advanced", and "Preview Changes". On the right, there are "PUBLISH" and "PREVIEW" buttons. Below the tabs, the form title "Contact Me" is displayed. The main area contains a table with four rows, each representing an action:

NAME	TYPE	ACTIONS
Store Submission	Store Submission	
Email Confirmation	Email	
Email Notification	Email	
Success Message	Success Message	

A large blue "+" button is located in the bottom right corner of the interface.

Figure 10.16.5

Ninja Forms sends us to its interface which allows us to edit its field as well as customise its action. For example, email confirmation and a success message which can alert the user they send the message.

11 Testing [Samig, Aminata]

Once the development of the website is complete, it is important to test it as well. Testing will help us find errors and bug then we can rectify them. This makes the website robust too. The tests will be recorded on a testing form which some may include figures as well. Documenting our tests is good practice, so if an error occurs again then we can look back on how to fix it.

11.1 Testing Table [Samig]

Test No.	Test Name	Purpose	Expected Result	Actual Result
1.	DWF Logo	The logo takes the user back to the homepage.	When the user clicks the logo, they will be redirected to the home page.	
2.	Home Button	The home button takes navigates to home.	When the user clicks the home button they are navigated to the homepage.	
3.	Category Button Hover	Category Button will display drop-down option to different pages.	Category Button when hovered will display option Dairy, Food Cupboard, Fruits and Veg, Meat and Fish.	
4.	Category Button: Dairy	The Dairy option will navigate to the Dairy page.	When the user clicks the Dairy option, they are directed to the Dairy page.	
5.	Category Button: Food Cupboard	The Food Cupboard option will navigate to the Food Cupboard page.	When the user clicks the Food Cupboard option, they are directed to the Food Cupboard	
6.	Category Button: Fruits and Veg	The Fruits and Veg option will navigate to Fruits and Veg page.	When the user clicks the Fruits and Veg option, they are directed to the Fruits and Veg page.	

7.	Category Button: Meat and Fish	The Meat and Fish option will navigate to the Meat and Fish page.	When the user clicks the Meat and Fish option, they are directed to the Meat and Fish page.	
8.	Shop Now Button	Shop Now button will navigate to the Shop Now page.	When the user clicks the Shop Now button, they are directed to Shop Now Page.	
9.	My Account Button	My Account button navigates to the My Account Page.	When the user clicks the button, they are displayed login/ registration form if they are logged in. Else it will display the user's account's dashboard.	
10.	My Account Login/Registration	My Account has two options Login and Registration. When clicked Login it will show a login form if Registration is clicked it will show Registration form.	When the user clicks Login it will show login form and when the user clicks Registration it will show registration form. This is only if the user hasn't logged in.	
11.	Basket Button	The Basket button navigates to the Basket page.	When the user clicks the basket button, they are sent to the Basket page with all the existing product they have added.	
12.	Contact Us Button	The Contact Us button navigates to Contact Us page.	When the user clicks the Contact, Us button they are sent to Contact Us page.	

13.	Best Selling Products (Home)	Best Selling products will be displayed at home with Add to Basket button.	It will display all the best-selling product with the picture, category, name, price and Add to Basket button. When Add to Basket button is clicked it will update the customer's basket.	
14.	New Arrivals Products (Home)	New Arrivals products will be displayed at home with Add to Basket button.	It will display all the new arrival product with the picture, category, name, price and Add to Basket button. When Add to Basket button is clicked it will update the customer's basket.	
15.	Dairy Product Shop Now Button (Home)	This button will navigate to the Dairy page.	When the user clicks the button, they are sent to the Dairy page.	
16.	Meat and Fish Shop Now Button (Home)	This button will navigate to the Meat and Fish page.	When the user clicks the button, they are sent to the Meat and Fish page.	
17.	Fruits and Veg Shop Now Button (Home)	This button will navigate to Fruits and Veg page.	When the user clicks the button, they are sent to the Fruits and Veg page.	
18.	Food Cupboard Shop Now Button (Home)	This button will navigate Food Cupboard page.	When the user clicks the button, they are sent to Food Cupboard page.	

19.	More from DWF Link Text (Home)	This link text will navigate Shop Now page.	When the user clicks the button, they are sent to Shop Now page.	
20.	Items filtered by Price (Dairy)	The filter will list all the items in the Dairy page based on Price.	When the user adjusts the filter bar, products that fulfil the filter condition will only be displayed.	
21.	Items Grid View/ List View (Dairy)	The items can be displayed in List Grid View or List View.	When the user clicks on the grid icon the items will be listed in grid view and list view if the user clicks the list icon.	
22.	Item Sort (Dairy)	The items can be sorted based on the type of sort selected.	When the user clicks the sort drop-down box and selects a sort; the items should be sorted based on the selected sort.	
23.	Add to Basket Button (Dairy)	The button will add the item to the basket.	When the user clicks the Add to Basket button it will add the product to their basket.	
24.	Product Details Linked Image (Dairy)	The product image includes a link which will navigate to its product details page.	When the user clicks the picture, they are directed to the product details page.	
25.	Items filtered by Price (Food Cupboard)	The filter will list all the items in the Food Cupboard page based on Price.	When the user adjusts the filter bar, products that fulfil the filter condition will only be displayed.	

26.	Items Grid View/ List View (Food Cupboard)	The items can be displayed in List Grid View or List View.	When the user clicks on the grid icon the items will be listed in grid view and list view if the user clicks the list icon.	
27.	Item Sort (Food Cupboard)	The items can be sorted based on the type of sort selected.	When the user clicks the sort drop-down box and selects a sort; the items should be sorted based on the selected sort.	
28.	Add to Basket Button (Food Cupboard)	The button will add the item to the basket.	When the user clicks the Add to Basket button it will add the product to their basket.	
29.	Product Details Linked Image (Food Cupboard)	The product image includes a link which will navigate to its product details page.	When the user clicks the picture, they are directed to the product details page.	
30.	Items filtered by Price (Fruit and Veg)	The filter will list all the items in the Fruit and Veg page based on Price.	When the user adjusts the filter bar, products that fulfil the filter condition will only be displayed.	
31.	Items Grid View/ List View (Fruit and Veg)	The items can be displayed in List Grid View or List View.	When the user clicks on the grid icon the items will be listed in grid view and list view if the user clicks the list icon.	

32.	Item Sort (Fruit and Veg)	The items can be sorted based on the type of sort selected.	When the user clicks the sort drop-down box and selects a sort; the items should be sorted based on the selected sort.	
33.	Add to Basket Button (Fruit and Veg)	The button will add the item to the basket.	When the user clicks the Add to Basket button it will add the product to their basket.	
34.	Product Details Linked Image (Fruit and Veg)	The product image includes a link which will navigate to its product details page.	When the user clicks the picture, they are directed to the product details page.	
35.	Items filtered by Price (Meat and Fish)	The filter will list all the items in the Meat and Fish page based on Price.	When the user adjusts the filter bar, products that fulfil the filter condition will only be displayed.	
36.	Items Grid View/ List View (Meat and Fish)	The items can be displayed in List Grid View or List View.	When the user clicks on the grid icon the items will be listed in grid view and list view if the user clicks the list icon.	
37.	Item Sort (Meat and Fish)	The items can be sorted based on the type of sort selected.	When the user clicks the sort drop-down box and selects a sort; the items should be sorted based on the selected sort.	

38.	Add to Basket Button (Meat and Fish)	The button will add the item to the basket.	When the user clicks the Add to Basket button it will add the product to their basket.	
39.	Product Details Linked Image (Meat and Fish)	The product image includes a link which will navigate to its product details page.	When the user clicks the picture, they are directed to the product details page.	
40.	Items filtered by Price (Shop Now)	The filter will list all the items in the Shop Now page based on Price.	When the user adjusts the filter bar, products that fulfil the filter condition will only be displayed.	
41.	Items filtered by Categories (Shop Now)	The filter will list all the items in the Shop Now page based on categories.	When the user clicks the Product Categories button e.g. Dairy it will only display Dairy products.	
42.	Items Grid View/ List View (Shop Now)	The items can be displayed in List Grid View or List View.	When the user clicks on the grid icon the items will be listed in grid view and list view if the user clicks the list icon.	
43.	Item Sort (Shop Now)	The items can be sorted based on the type of sort selected.	When the user clicks the sort drop-down box and selects a sort; the items should be sorted based on the selected sort.	

44.	Add to Basket Button (Shop Now)	The button will add the item to the basket.	When the user clicks the Add to Basket button it will add the product to their basket.	
45.	Product Details Linked Image (Shop Now)	The product image includes a link which will navigate to its product details page.	When the user clicks the picture, they are directed to the product details page.	
46.	Search Bar	The search bar will find the product asked for.	When the user types a name of an existing product it will return a result else it will return nothing.	
47.	Contact Us Form (Contact Us)	The Contact Us page includes a form which request Name, Email and Message. If these fields are left blank it will display warning messages.	When the user leaves a field empty or all fields empty the form should display warning messages to ensure the user has input valid data.	
48.	Products Form (Cart)	Product Form in Cart page displays products added to the basket with their details.	The Products Form should display product image, name, price, quantity and subtotal.	
49.	Add to Quantity Button (Cart)	The Product Form has an option increase/decrease the quantity of the product.	When the user increases/decreases the quantity of the product with the plus icon and clicks update basket it should change the quantity number and subtotal.	

50.	Remove Product/ Undo Button (Cart)	The Product Form has an option to remove the product and the option to undo the removal.	When the user removes an item, it will disappear from the product form and change the total for checkout. The user can also undo the removal and the product will return in the product form.	
51.	Apply Coupon (Cart)	The Apply Coupon button will reduce the total cost.	When the user enters a code and presses the Apply Coupon button it will reduce the total cost. If there is an invalid code, then it will give a warning message.	
52.	Apply Coupon (Checkout)	The Apply Coupon button will reduce the total cost.	If the user forgot to apply the coupon in Cart page, then they can still apply the coupon in Checkout Page. Just like test no. 51 same rules apply to this test.	
53.	Checkout Form (Checkout)	The Checkout Form will include all fields required for checkouts like billing details, order details and payment type.	The user should enter all details in the field highlighted with red asterisk else they will get the warning on the field they left empty when they press Place Order button (Direct bank transfer) and Proceed to PayPal button (PayPal).	
54.	Product Details Description and Stock (Product Details)	The Product Details page will include all the details of the specific product	The user must be able to see the product details and its stock.	

		plus the amount of stock available.		
55.	Product Details Reviews (Product Details)	Reviews can be written on this page to help another customer with buying the product.	The user must be able to write a review down below for a specific product.	

11.2 Test Results [Samig]

Now the test table is complete we can get started on testing our website. This section we will be filling in the '*Actual Result*' column in our testing table. The column will include a description of the actual result and for some test, it will include figure names instead which represent the images taken to conduct those tests. Test images will be displayed after the completed testing table. As you could see in the testing table above most tests were repetitive this is to ensure all functions are working on every page.

Test No.	Test Name	Purpose	Expected Result	Actual Result
1.	DWF Logo	The logo takes the user back to the homepage.	When the user clicks the logo, they will be redirected to the home page.	The user is redirected back to the homepage.
2.	Home Button	The home button takes the user to the homepage.	When the user clicks the home button they are navigated to the homepage.	The user is navigated back to the homepage.
3.	Category Button Hover	Category Button will display drop-down options to different pages.	Category Button when hovered will display options: Dairy, Food Cupboard, Fruits and Veg, Meat and Fish.	Figure 11.3.1
4.	Category Button: Dairy	The Dairy option will navigate to the Dairy page.	When the user clicks the Dairy option, they are directed to the Dairy page.	The user is directed to the Dairy page.
5.	Category Button: Food Cupboard	The Food Cupboard option will navigate to the Food Cupboard page.	When the user clicks the Food Cupboard option, they are directed to the Food Cupboard page.	The user is directed to the Food Cupboard page.

6.	Category Button: Fruits and Veg	The Fruits and Veg option will navigate to Fruits and Veg page.	When the user clicks the Fruits and Veg option, they are directed to the Fruits and Veg page.	The user is directed to the Fruit and Veg page.
7.	Category Button: Meat and Fish	The Meat and Fish option will navigate to the Meat and Fish page.	When the user clicks the Meat and Fish option, they are directed to the Meat and Fish page.	The user is directed to the Meat and Fish page.
8.	Shop Now Button	Shop Now button will navigate to the Shop Now page.	When the user clicks the Shop Now button, they are directed to Shop Now page.	The user is directed to the Shop Now page.
9.	My Account Button	My Account button navigates to the My Account page.	When the user clicks the My Account button, they are sent to the My Account page.	The user is directed to the My Account page.
10.	My Account Login/Registration	My Account has two options Login and Registration. When clicked Login it will show a login form if Registration is clicked it will show Registration form.	When the user clicks Login it will show login form and when the user clicks Registration it will show registration form. This is only if the user hasn't logged in. Else if the user is logged in it will show account dashboard.	Figure 11.3.2 Figure 11.3.3 Figure 11.3.4
11.	Basket Button	The Basket button navigates to the Basket page.	When the user clicks the basket button, they are sent to the Cart Page.	The user is directed to the Cart page.
12.	Contact Us Button	The Contact Us button navigates to Contact Us page.	When the user clicks the Contact, Us button they are sent to Contact Us page.	The user is directed to the Contact Us page.

13.	Best Selling Products (Home)	Best Selling products will be displayed at home with Add to Basket button.	It will display all the best-selling product with the picture, category, name, price and Add to Basket button. When Add to Basket button is clicked it will update the customer's basket.	Figure 11.3.5 Figure 11.3.6 Figure 11.3.7
14.	New Arrivals Products (Home)	New Arrivals products will be displayed at home with Add to Basket button.	It will display all the new arrival product with the picture, category, name, price and Add to Basket button. When Add to Basket button is clicked it will update the customer's basket.	Figure 11.3.8 Figure 11.3.9 Figure 11.3.10
15.	Dairy Product Shop Now Button (Home)	This button will navigate to the Dairy page.	When the user clicks the button, they are sent to the Dairy page.	The user is directed to the Dairy page.
16.	Meat and Fish Shop Now Button (Home)	This button will navigate to the Meat and Fish page.	When the user clicks the button, they are sent to the Meat and Fish page.	The user is directed to the Meat and Fish page.
17.	Fruits and Veg Shop Now Button (Home)	This button will navigate to Fruits and Veg page.	When the user clicks the button, they are sent to the Fruits and Veg page.	The user is directed to the Fruit and Veg page.
18.	Food Cupboard Shop Now Button (Home)	This button will navigate Food Cupboard page.	When the user clicks the button, they are sent to Food Cupboard page.	The user is directed to the Food Cupboard page.

19.	More from DWF Link Text (Home)	This link text will navigate Shop Now page.	When the user clicks the button, they are sent to Shop Now page.	The user is directed to the Shop Now page.
20.	Items filtered by Price (Dairy)	The filter will list all the items in the Dairy page based on Price.	When the user adjusts the filter bar, products that fulfil the filter condition will only be displayed.	Figure 11.3.11 Figure 11.3.12
21.	Items Grid View/ List View (Dairy)	The items can be displayed in List Grid View or List View.	When the user clicks on the grid icon the items will be listed in grid view and list view if the user clicks the list icon.	Figure 11.3.13 Figure 11.3.14
22.	Item Sort (Dairy)	The items can be sorted based on the type of sort selected.	When the user clicks the sort drop-down box and selects a sort; the items should be sorted based on the selected sort.	Figure 11.3.15 Figure 11.3.16
23.	Add to Basket Button (Dairy)	The button will add the item to the basket.	When the user clicks the Add to Basket button it will add the product to their basket.	Figure 11.3.17 Figure 11.3.18 Figure 11.3.19
24.	Product Details Linked Image (Dairy)	The product image includes a link which will navigate to its product details page.	When the user clicks the picture, they are directed to the product details page.	The user is directed to the Product Details page.
25.	Items filtered by Price (Food Cupboard)	The filter will list all the items in the Food Cupboard page based on Price.	When the user adjusts the filter bar, products that fulfil the filter condition will only be displayed.	Figure 11.3.20 Figure 11.3.21

26.	Items Grid View/ List View (Food Cupboard)	The items can be displayed in List Grid View or List View.	When the user clicks on the grid icon the items will be listed in grid view and list view if the user clicks the list icon.	Figure 11.3.22 Figure 11.3.23
27.	Item Sort (Food Cupboard)	The items can be sorted based on the type of sort selected.	When the user clicks the sort drop-down box and selects a sort; the items should be sorted based on the selected sort.	Figure 11.3.24 Figure 11.3.25
28.	Add to Basket Button (Food Cupboard)	The button will add the item to the basket.	When the user clicks the Add to Basket button it will add the product to their basket.	Figure 11.3.26 Figure 11.3.27 Figure 11.3.28
29.	Product Details Linked Image (Food Cupboard)	The product image includes a link which will navigate to its product details page.	When the user clicks the picture, they are directed to the product details page.	The user is directed to the Product Details page.
30.	Items filtered by Price (Fruit and Veg)	The filter will list all the items in the Fruit and Veg page based on Price.	When the user adjusts the filter bar, products that fulfil the filter condition will only be displayed.	Figure 11.3.29 Figure 11.3.30
31.	Items Grid View/ List View (Fruit and Veg)	The items can be displayed in List Grid View or List View.	When the user clicks on the grid icon the items will be listed in grid view and list view if the user clicks the list icon.	Figure 11.3.31 Figure 11.3.32

32.	Item Sort (Fruit and Veg)	The items can be sorted based on the type of sort selected.	When the user clicks the sort drop-down box and selects a sort; the items should be sorted based on the selected sort.	Figure 11.3.33 Figure 11.3.34
33.	Add to Basket Button (Fruit and Veg)	The button will add the item to the basket.	When the user clicks the Add to Basket button it will add the product to their basket.	Figure 11.3.35 Figure 11.3.36 Figure 11.3.37
34.	Product Details Linked Image (Fruit and Veg)	The product image includes a link which will navigate to its product details page.	When the user clicks the picture, they are directed to the product details page.	The user is directed to the Product Details page.
35.	Items filtered by Price (Meat and Fish)	The filter will list all the items in the Meat and Fish page based on Price.	When the user adjusts the filter bar, products that fulfil the filter condition will only be displayed.	Figure 11.3.38 Figure 11.3.39
36.	Items Grid View/ List View (Meat and Fish)	The items can be displayed in List Grid View or List View.	When the user clicks on the grid icon the items will be listed in grid view and list view if the user clicks the list icon.	Figure 11.3.40 Figure 11.3.41
37.	Item Sort (Meat and Fish)	The items can be sorted based on the type of sort selected.	When the user clicks the sort drop-down box and selects a sort; the items should be sorted based on the selected sort.	Figure 11.3.42 Figure 11.3.43

38.	Add to Basket Button (Meat and Fish)	The button will add the item to the basket.	When the user clicks the Add to Basket button it will add the product to their basket.	Figure 11.3.44 Figure 11.3.45 Figure 11.3.46
39.	Product Details Linked Image (Meat and Fish)	The product image includes a link which will navigate to its product details page.	When the user clicks the picture, they are directed to the product details page.	The user is directed to the Product Details page.
40.	Items filtered by Price (Shop Now)	The filter will list all the items in the Shop Now page based on Price.	When the user adjusts the filter bar, products that fulfil the filter condition will only be displayed.	Figure 11.3.47 Figure 11.3.48
41.	Items filtered by Categories (Shop Now)	The filter will list all the items in the Shop Now page based on categories.	When the user clicks the Product Categories button e.g. Dairy it will only display Dairy products.	Figure 11.3.49 Figure 11.3.50
42.	Items Grid View/ List View (Shop Now)	The items can be displayed in List Grid View or List View.	When the user clicks on the grid icon the items will be listed in grid view and list view if the user clicks the list icon.	Figure 11.3.51 Figure 11.3.52
43.	Item Sort (Shop Now)	The items can be sorted based on the type of sort selected.	When the user clicks the sort drop-down box and selects a sort; the items should be sorted based on the selected sort.	Figure 11.3.53 Figure 11.3.54

44.	Add to Basket Button (Shop Now)	The button will add the item to the basket.	When the user clicks the Add to Basket button it will add the product to their basket.	Figure 11.3.55 Figure 11.3.56 Figure 11.3.57
45.	Product Details Linked Image (Shop Now)	The product image includes a link which will navigate to its product details page.	When the user clicks the picture, they are directed to the product details page.	The user is directed to the Product Details page.
46.	Search Bar	The search bar will find the product asked for.	When the user types a name of an existing product it will return a result else it will return nothing.	Figure 11.3.58 Figure 11.3.59 Figure 11.3.60 Figure 11.3.61
47.	Contact Us Form (Contact Us)	The Contact Us page includes a form which request Name, Email and Message. If these fields are left blank it will display warning messages.	When the user leaves a field empty or all fields empty the form should display warning messages to ensure the user has input valid data.	Figure 11.3.62 Figure 11.3.63 Figure 11.3.64 Figure 11.3.65
48.	Products Form (Cart)	Product Form in Cart page displays products added to the basket with their details.	The Products Form should display product image, name, price, quantity and subtotal.	Figure 11.3.66
49.	Add to Quantity Button (Cart)	The Product Form has an option increase/decrease the quantity of the product.	When the user increases/decreases the quantity of the product with the plus icon and clicks update basket it should change the quantity number and subtotal.	Figure 11.3.67 Figure 11.3.68 Figure 11.3.69

50.	Remove Product/ Undo Button (Cart)	The Product Form has an option to remove the product and the option to undo the removal.	When the user removes an item, it will disappear from the product form and change the total for checkout. The user can also undo the removal and the product will return in the product form.	Figure 11.3.70 Figure 11.3.71 Figure 11.3.72
51.	Apply Coupon (Cart)	The Apply Coupon button will reduce the total cost.	When the user enters a code and presses the Apply Coupon button it will reduce the total cost. If there is an invalid code, then it will give a warning message.	Figure 11.3.73 Figure 11.3.74 Figure 11.3.75 Figure 11.3.76 Figure 11.3.77
52.	Apply Coupon (Checkout)	The Apply Coupon button will reduce the total cost.	If the user forgot to apply the coupon in Cart page, then they can still apply the coupon in Checkout Page. Just like test no. 51 same rules apply to this test.	Figure 11.3.78 Figure 11.3.79 Figure 11.3.80 Figure 11.3.81 Figure 11.3.82
53.	Checkout Form (Checkout)	The Checkout Form will include all fields required for checkouts like billing details, order details and payment type.	The user should enter all details in the field highlighted with red asterisk else they will get the warning on the field they left empty when they press Place Order button (Direct bank transfer) and Proceed to PayPal button (PayPal).	Figure 11.3.83 Figure 11.3.84

54.	Product Details Description and Stock (Product Details)	The Product Details page will include all the details of the specific product plus the amount of stock available.	The user must be able to see the product details and its stock.	Figure 11.3.85
55.	Product Details Reviews (Product Details)	Reviews can be written on this page to help another customer with buying the product.	The user must be able to write a review down below for a specific product.	Figure 11.3.86 Figure 11.3.87

11.3 Test Images [Aminata]

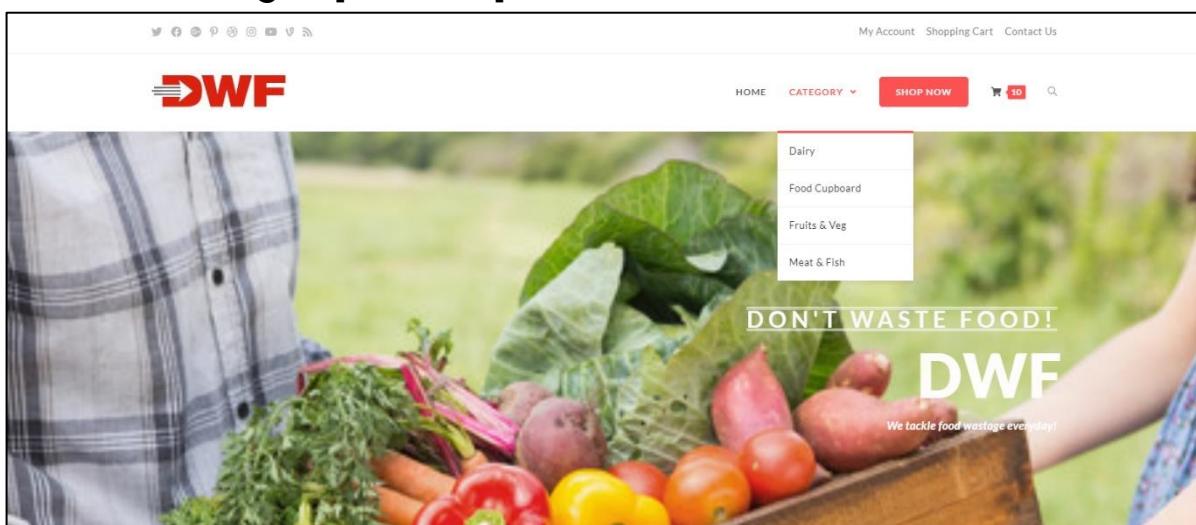


Figure 11.3.1

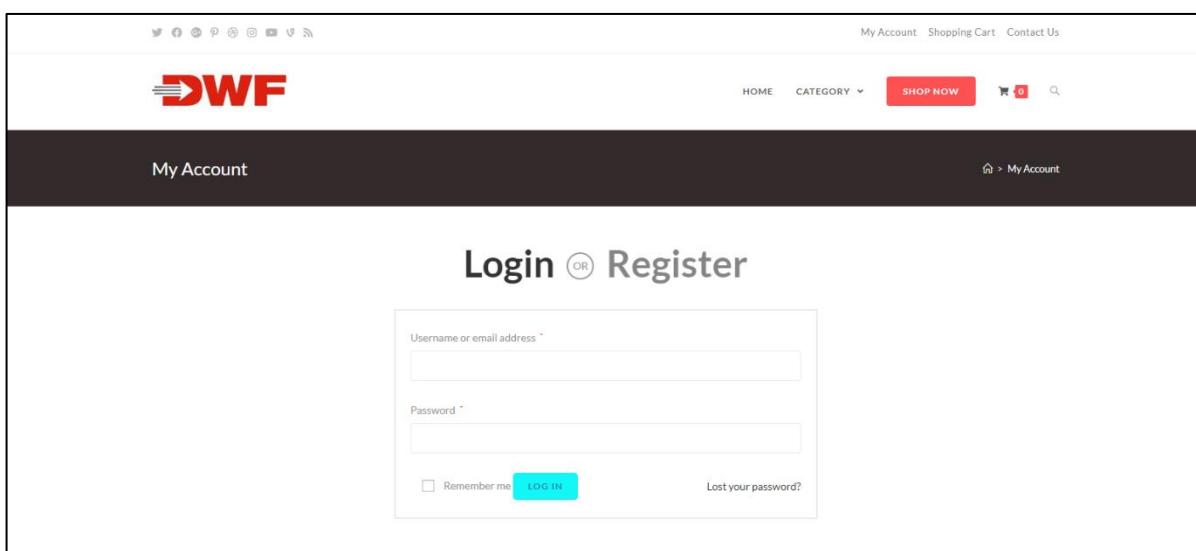


Figure 11.3.2

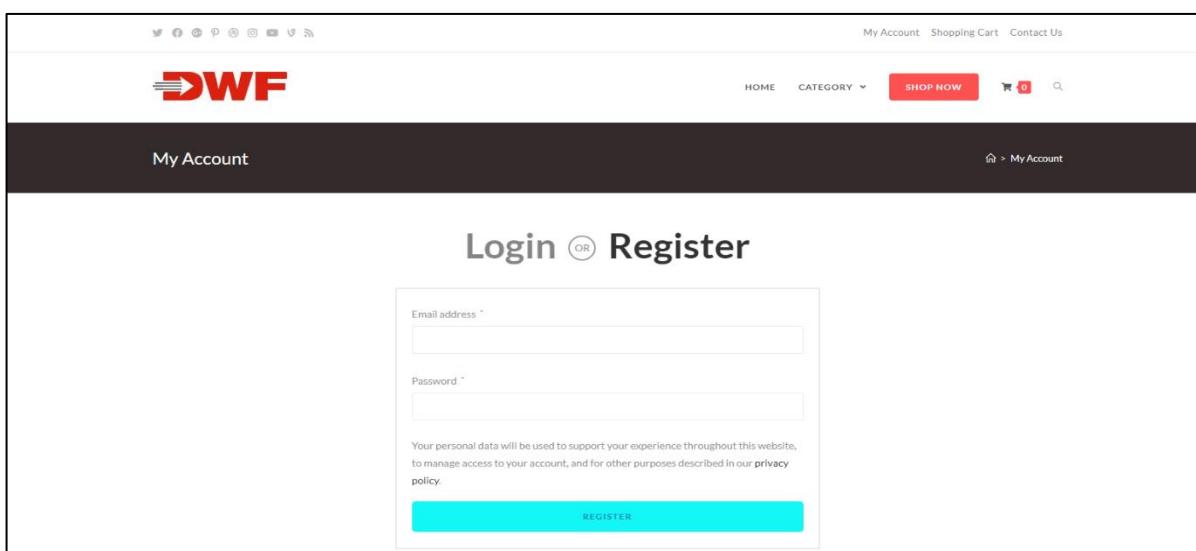


Figure 11.3.3

The screenshot shows the 'My Account' page of a website. At the top, there's a navigation bar with social media icons (Twitter, Facebook, Google+, Pinterest, Instagram, YouTube, and RSS), account links ('My Account', 'Shopping Cart', 'Contact Us'), and a search bar. The main header features the 'DWF' logo. Below the header, a secondary navigation bar includes 'HOME', 'CATEGORY ▾', a red 'SHOP NOW' button, a shopping cart icon with '10' items, and a magnifying glass icon.

The main content area has a dark header bar with the text 'My Account' and a back arrow icon. The main body starts with a user profile section showing a placeholder profile picture, the username 'WordPressGuy19', and a 'Logout' link. A welcome message says 'Hello WordPressGuy19 (not WordPressGuy19? Log out)'. Below this, a brief introduction states: 'From your account dashboard you can view your recent orders, manage your shipping and billing addresses, and edit your password and account details.' A sidebar on the left lists account management options with corresponding icons:

- Dashboard
- Orders
- Downloads
- Addresses
- Account details
- Logout

Figure 11.3.4

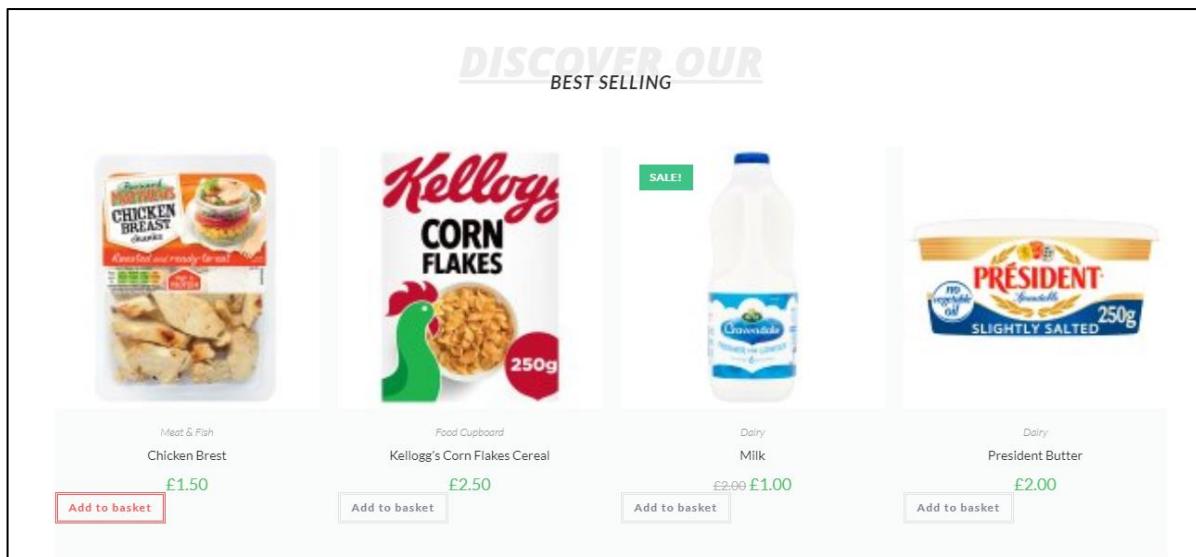


Figure 11.3.5

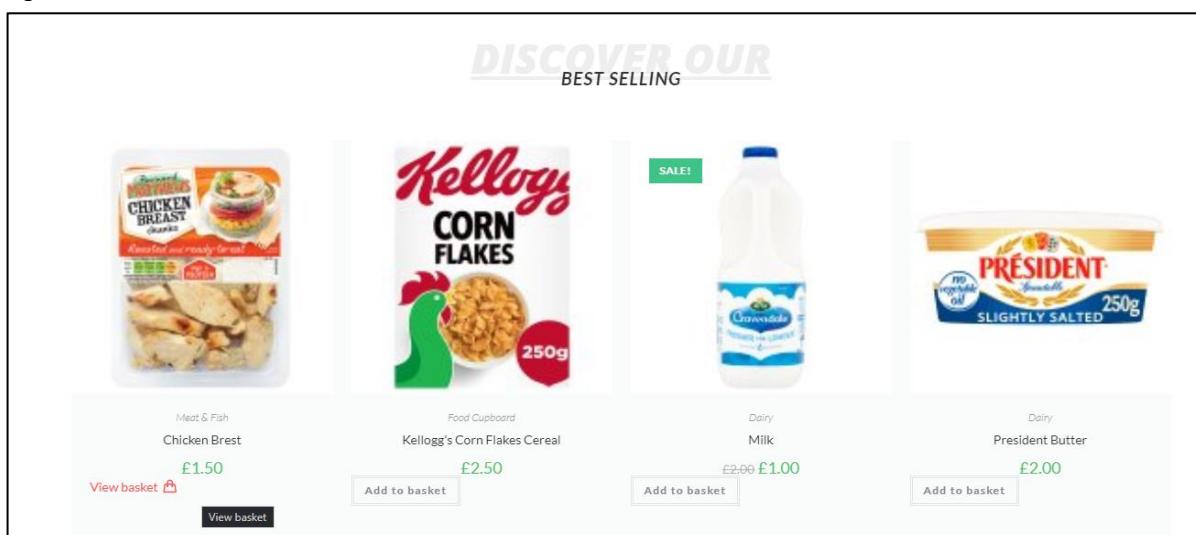


Figure 11.3.6

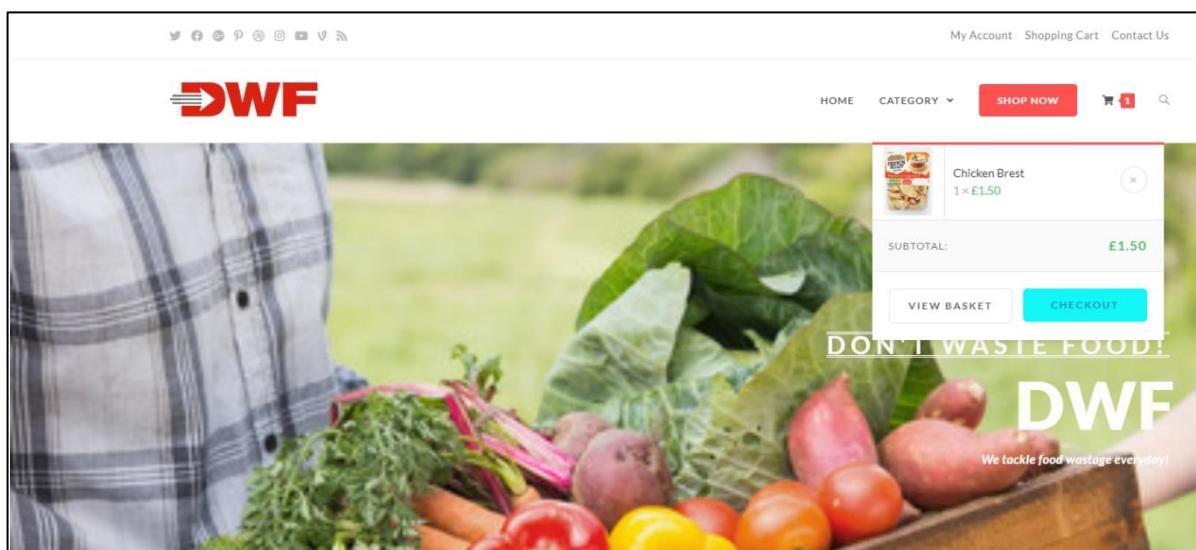


Figure 11.3.7

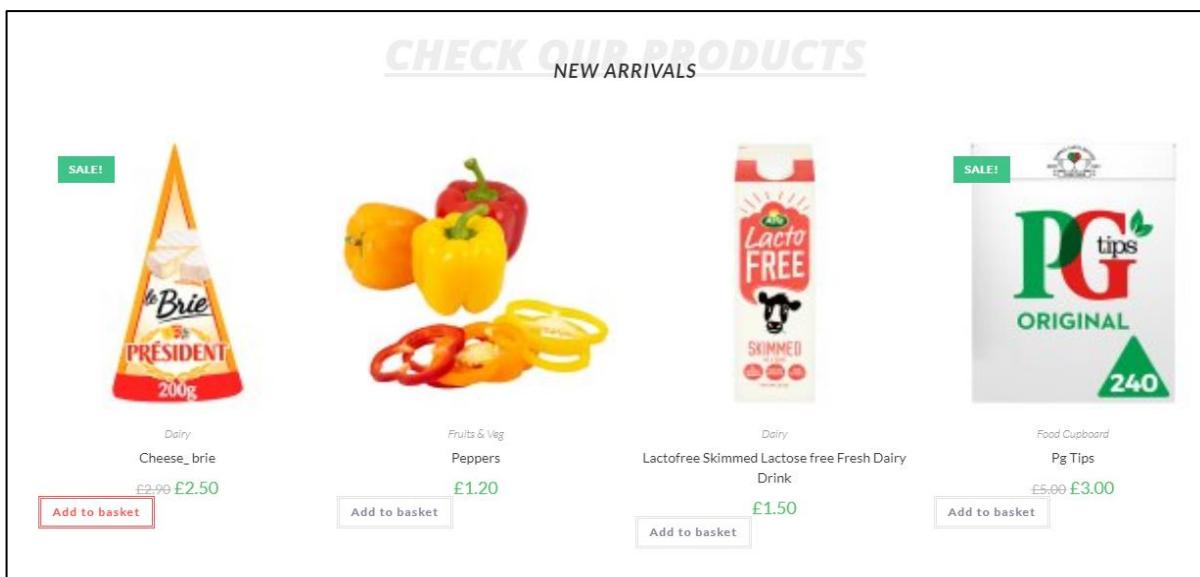


Figure 11.3.8

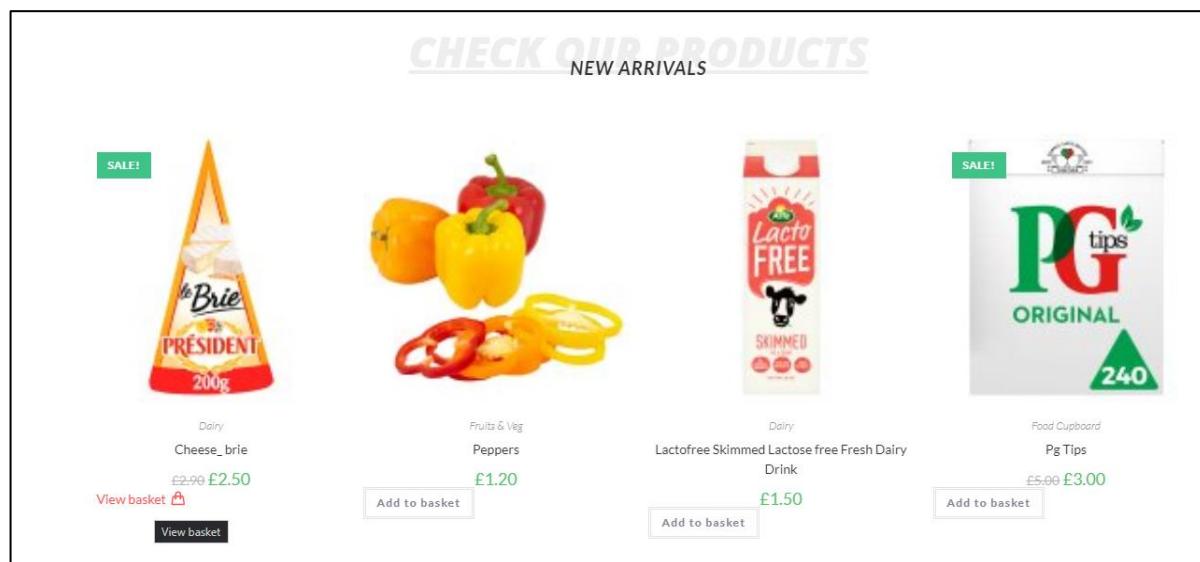


Figure 11.3.9

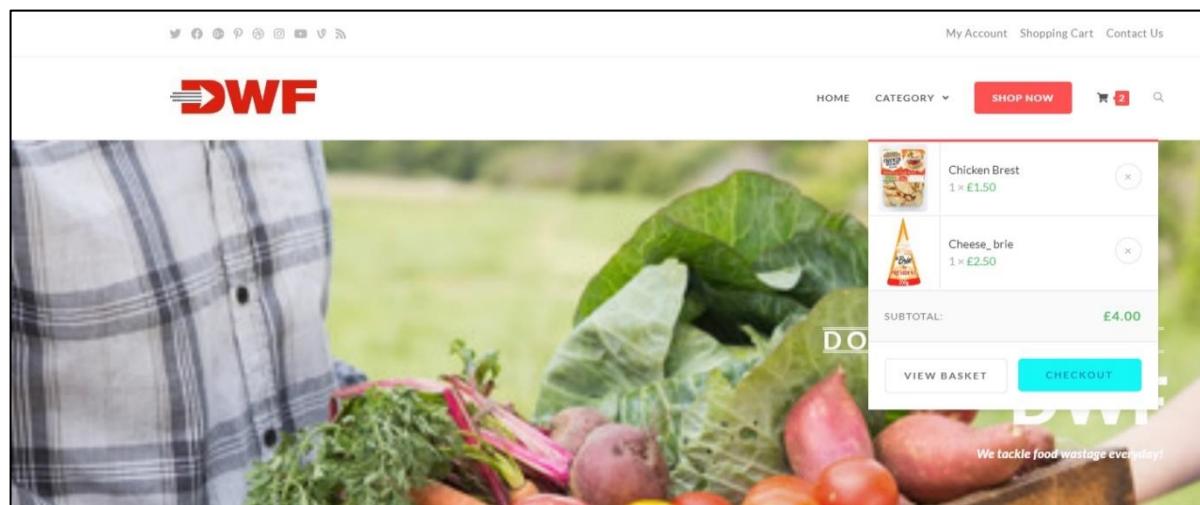


Figure 11.3.10

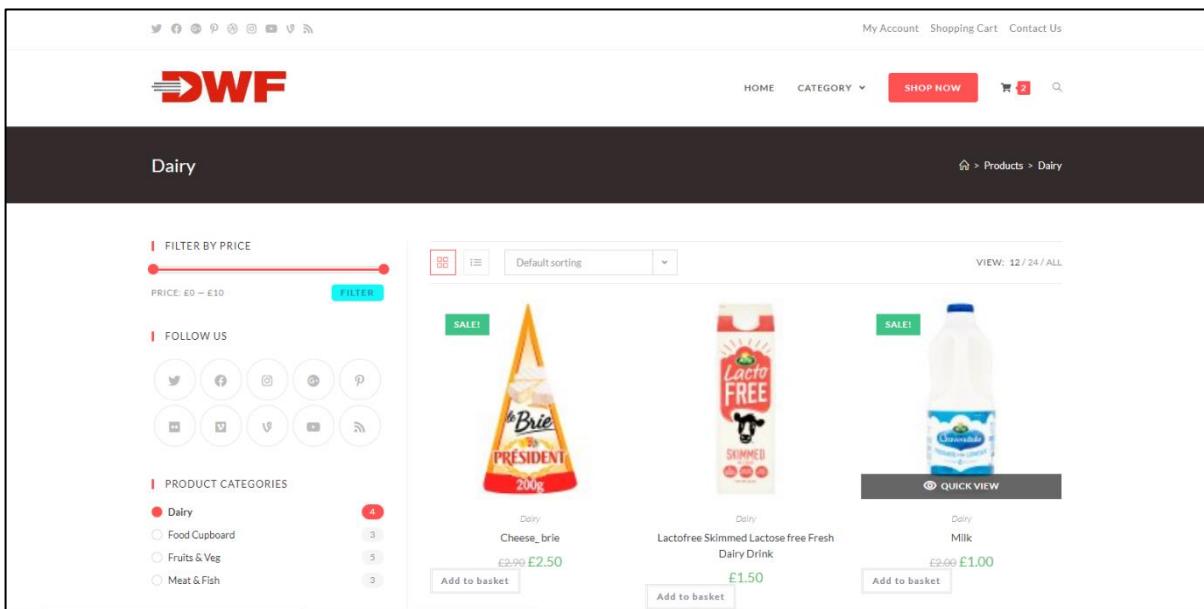


Figure 11.3.11

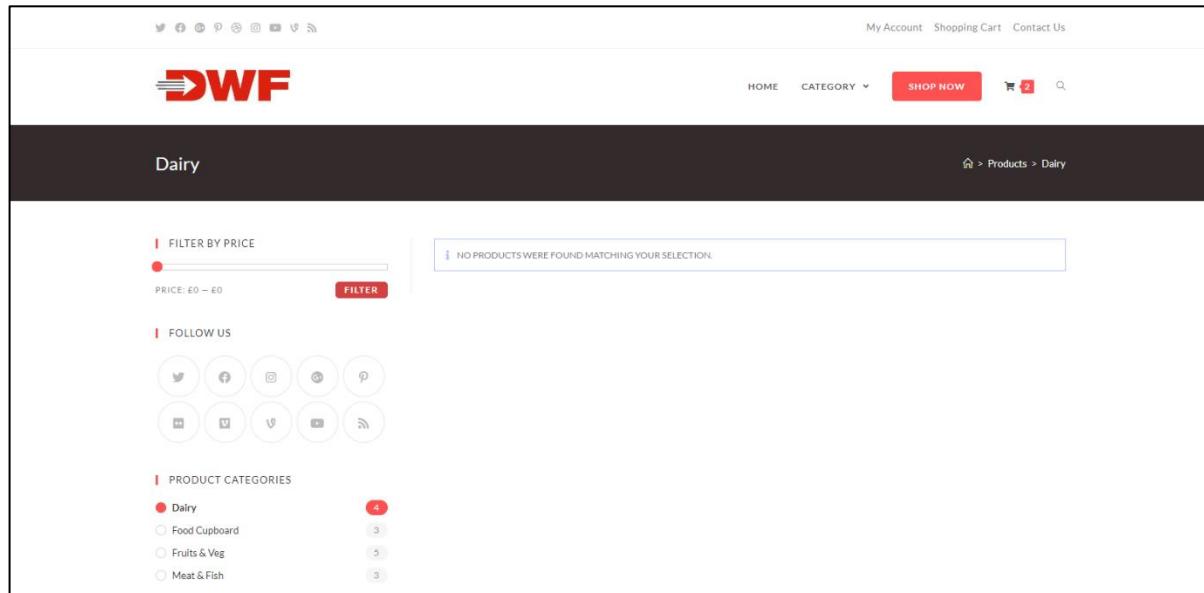


Figure 11.3.12

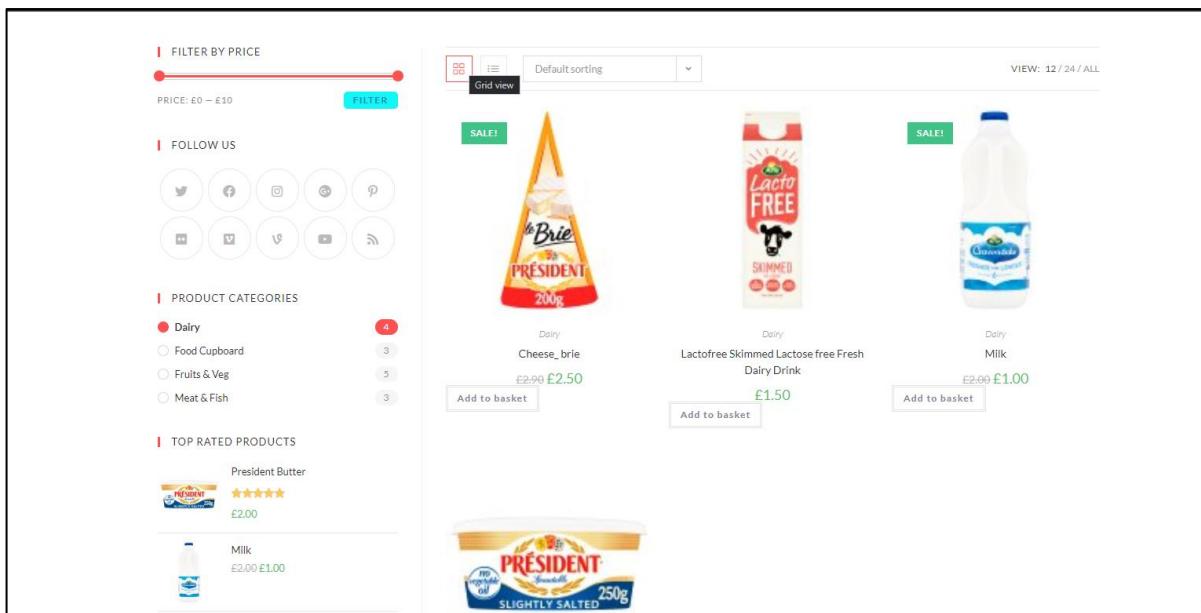


Figure 11.3.13

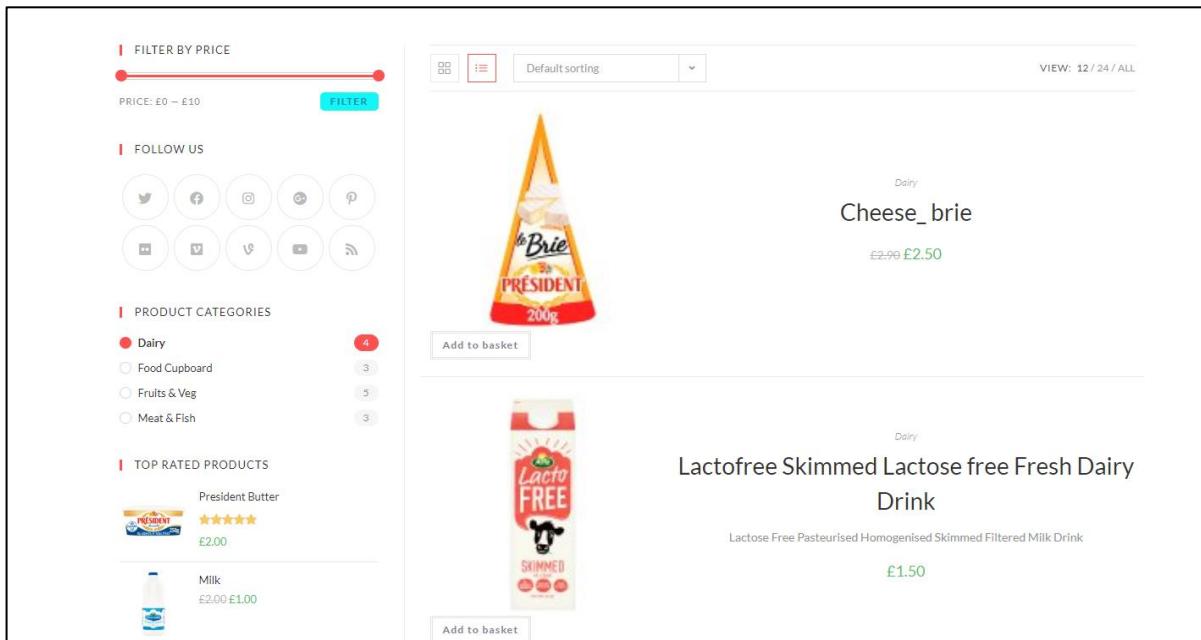


Figure 11.3.14

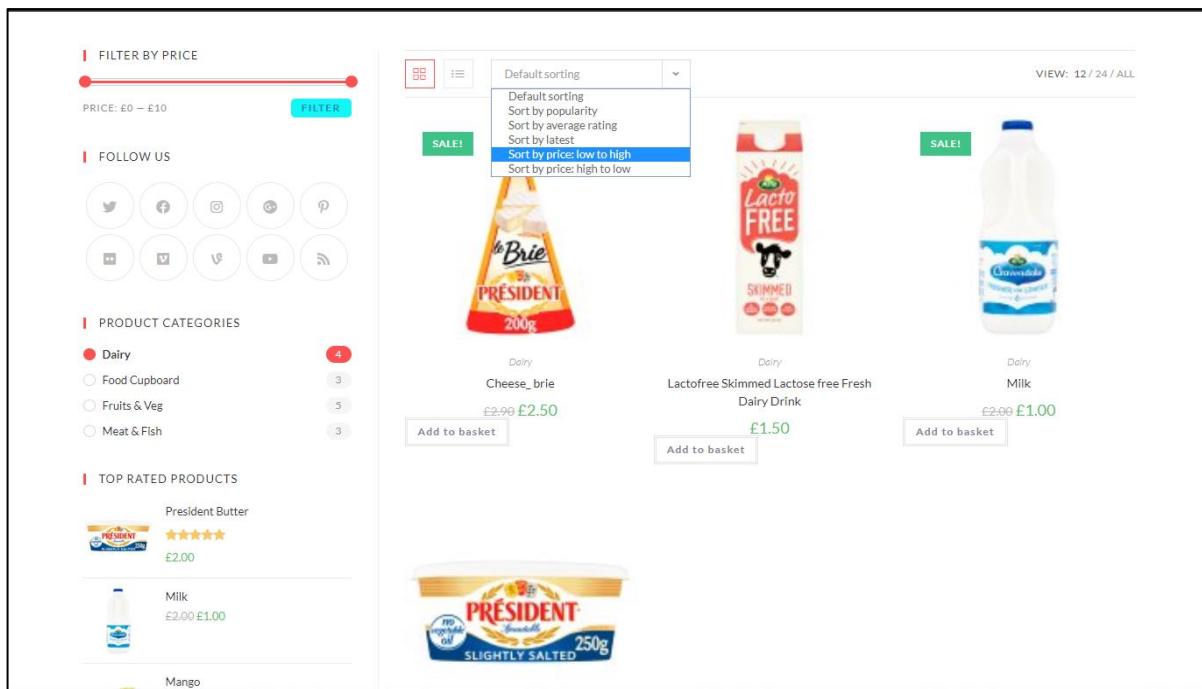


Figure 11.3.15

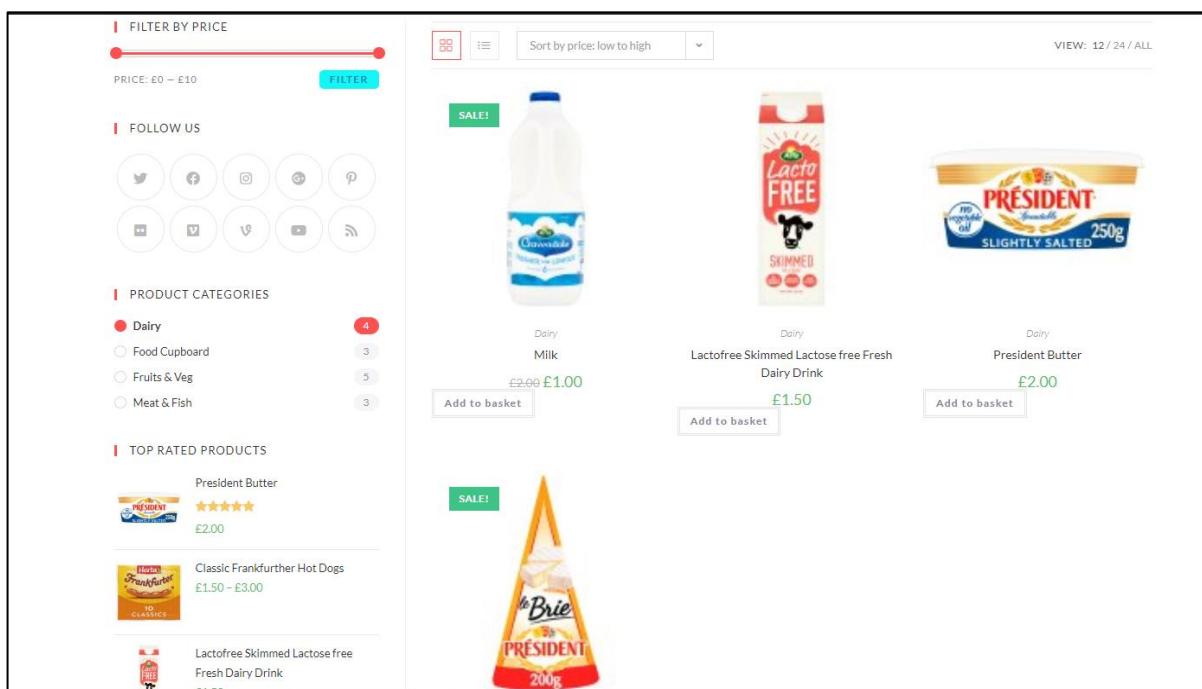


Figure 11.3.16

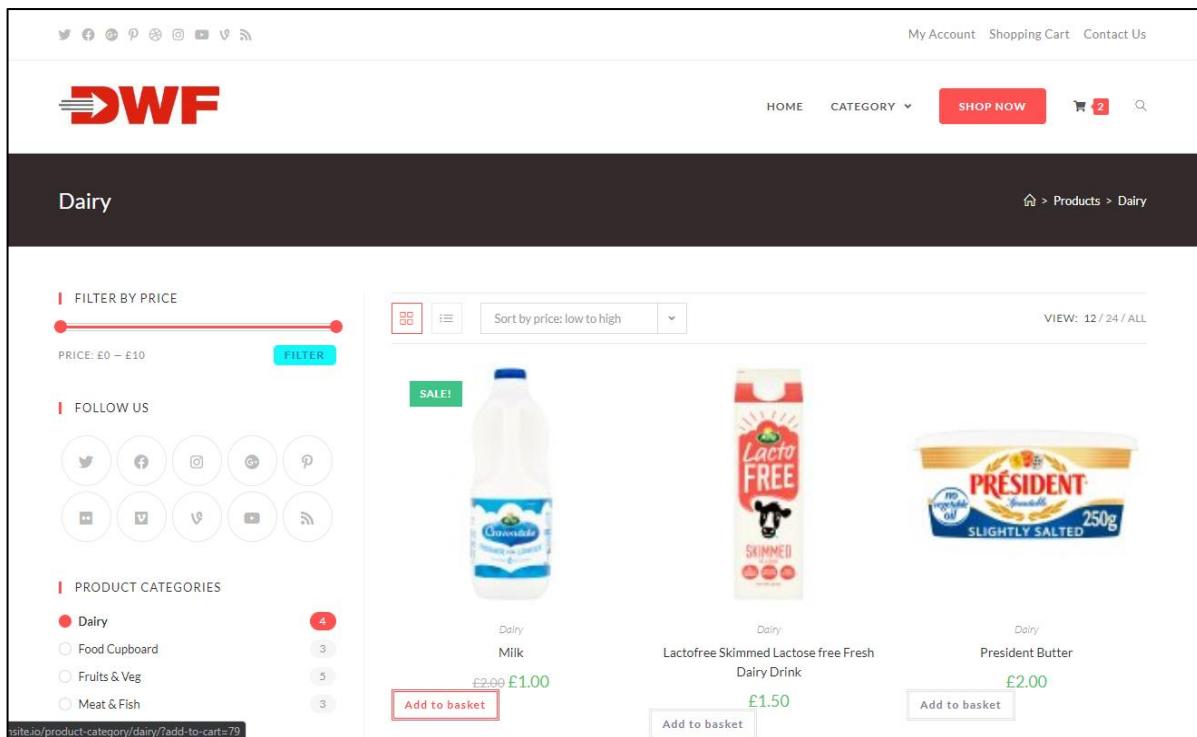


Figure 11.3.17

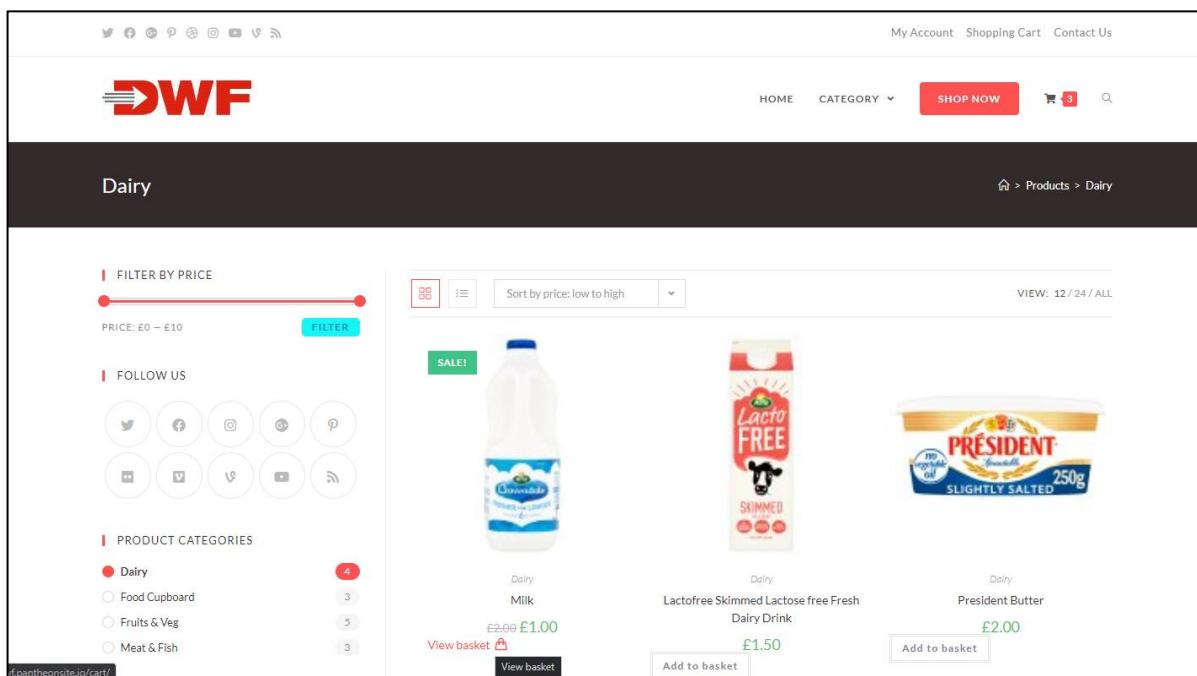


Figure 11.3.18

Dairy

FILTER BY PRICE
PRICE: £0 - £10 **FILTER**

FOLLOW US

PRODUCT CATEGORIES

- Dairy** (4)
- Food Cupboard (3)
- Fruits & Veg (5)
- Meat & Fish (3)

SORT BY PRICE: low to high

Image	Name	Quantity	Price
	Chicken Breast	1x	£1.50
	Cheese_brie	1x	£2.50
	Milk	1x	£1.00

SUBTOTAL: £5.00

VIEW BASKET **CHECKOUT**

Milk
£2.00 £1.00 **Add to basket**

Lactofree Skimmed Lactose free Fresh Dairy Drink
£1.50 **Add to basket**

President Butter
£2.00 **Add to basket**

Figure 11.3.19

Social media icons: Twitter, Facebook, Instagram, YouTube, Pinterest, RSS.

My Account | Shopping Cart | Contact Us

DWF

HOME | CATEGORY | SHOP NOW | Cart (3) | Search

Food Cupboard

Products > Food Cupboard

FILTER BY PRICE
PRICE: £0 – £10 FILTER

FOLLOW US
[Twitter](#) [Facebook](#) [Instagram](#) [YouTube](#) [Pinterest](#)
[Twitter](#) [Facebook](#) [Instagram](#) [YouTube](#) [RSS](#)

PRODUCT CATEGORIES

<input type="radio"/> Dairy	4
<input checked="" type="radio"/> Food Cupboard	3
<input type="radio"/> Fruits & Veg	5
<input type="radio"/> Meat & Fish	3

Default sorting | VIEW: 12 / 24 / ALL



Kellogg's Corn Flakes Cereal
250g

Food Cupboard

£2.50

Add to basket



Maryland Minis Chocolate Chip Cookies
OUT OF STOCK

Food Cupboard

£1.00

Read more



PG Tips
Original
240

Food Cupboard

£5.00 £3.00

Add to basket

Figure 11.3.20

Social media icons: Twitter, Facebook, Instagram, YouTube, Pinterest, RSS.

My Account | Shopping Cart | Contact Us

DWF

HOME | CATEGORY | SHOP NOW | Cart (3) | Search

Food Cupboard

Products > Food Cupboard

FILTER BY PRICE
PRICE: £0 – £0 FILTER

FOLLOW US
[Twitter](#) [Facebook](#) [Instagram](#) [YouTube](#) [Pinterest](#)
[Twitter](#) [Facebook](#) [Instagram](#) [YouTube](#) [RSS](#)

PRODUCT CATEGORIES

<input type="radio"/> Dairy	4
<input checked="" type="radio"/> Food Cupboard	3
<input type="radio"/> Fruits & Veg	5
<input type="radio"/> Meat & Fish	3

NO PRODUCTS WERE FOUND MATCHING YOUR SELECTION.

Figure 11.3.21

The screenshot shows the DWF website's Food Cupboard section. On the left, there are filters for price (£0 - £10), social media links, product categories (Food Cupboard selected), and top-rated products. The main area displays three products in grid view: Kellogg's Corn Flakes Cereal (250g), Maryland Minis Chocolate Chip Cookies (OUT OF STOCK), and PG Tips Original (240). Each product card includes a thumbnail, name, price, and an 'Add to basket' button.

Figure 11.3.22

The screenshot shows the DWF website's Food Cupboard section in List view. The layout is similar to Figure 11.3.22, but the products are listed vertically. It features the same filters and highlights the Kellogg's Corn Flakes Cereal and Maryland Minis Chocolate Chip Cookies, both with their respective prices and 'Add to basket' buttons.

Figure 11.3.23

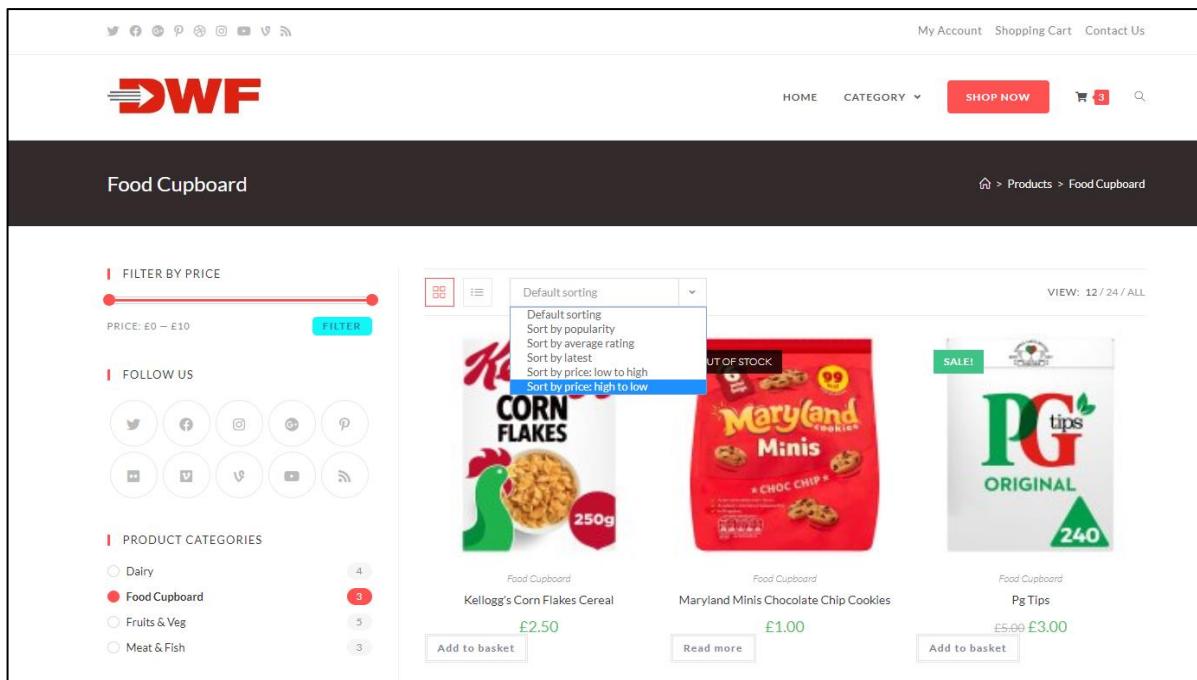


Figure 11.3.24

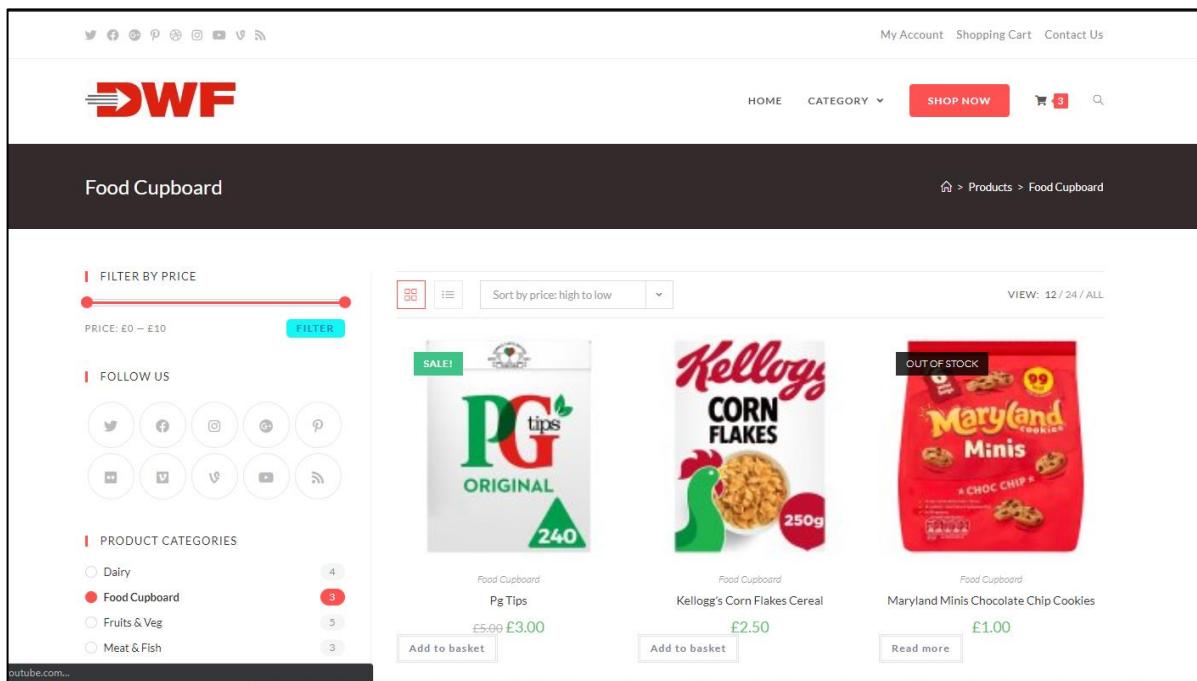


Figure 11.3.25

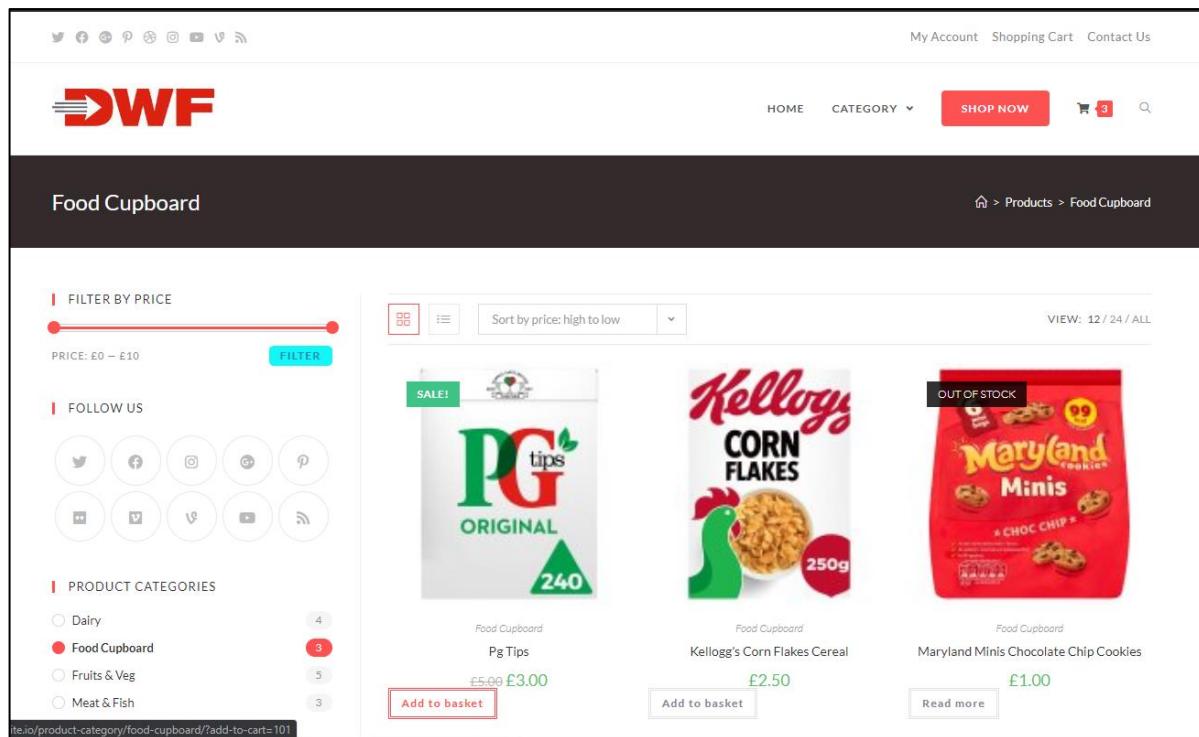


Figure 11.3.26

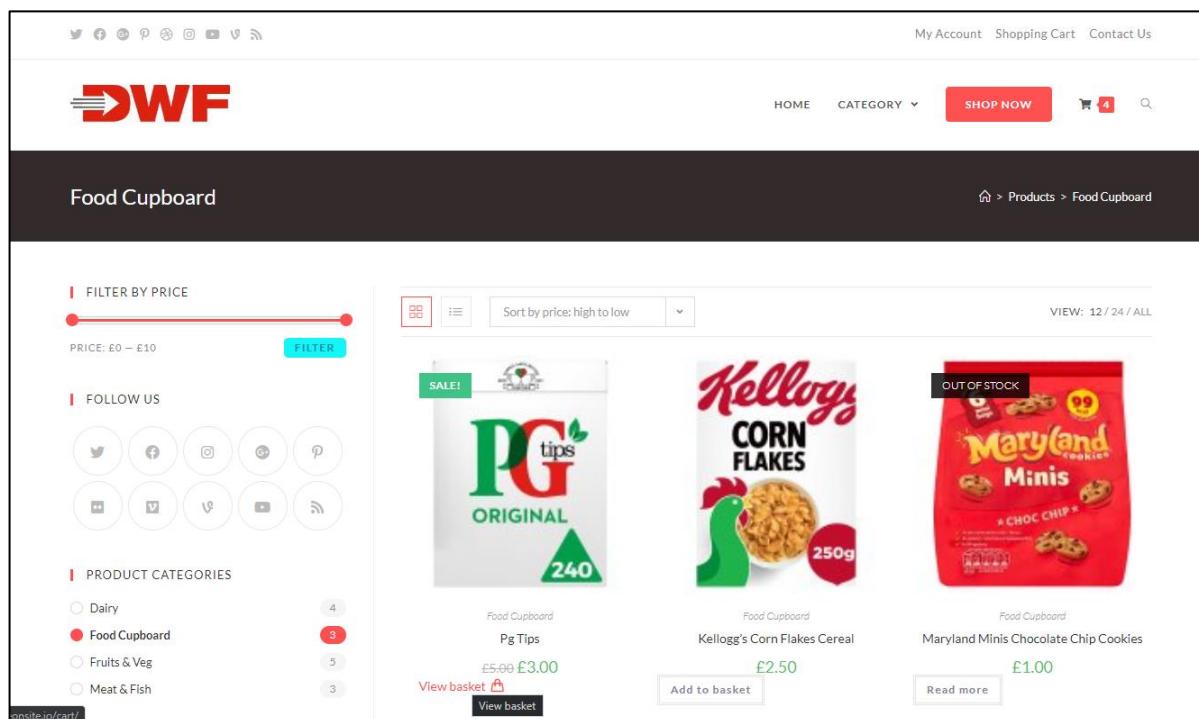


Figure 11.3.27

The screenshot shows a shopping basket interface on the DWF website. The basket contains four items:

- Chicken Breast (1 x £1.50)
- Cheese_brie (1 x £2.50)
- Milk (1 x £1.00)
- Pg Tips (1 x £3.00)

The subtotal is £8.00. At the bottom, there are "VIEW BASKET" and "CHECKOUT" buttons.

Left sidebar (Food Cupboard):

- FILTER BY PRICE:** A slider set from £0 to £10, with a "FILTER" button.
- FOLLOW US:** Icons for various social media platforms.
- PRODUCT CATEGORIES:**
 - Dairy (4)
 - Food Cupboard (3)** (selected category)
 - Fruits & Veg (5)
 - Meat & Fish (3)

Bottom left: theonsite.io/cart/

Figure 11.3.28

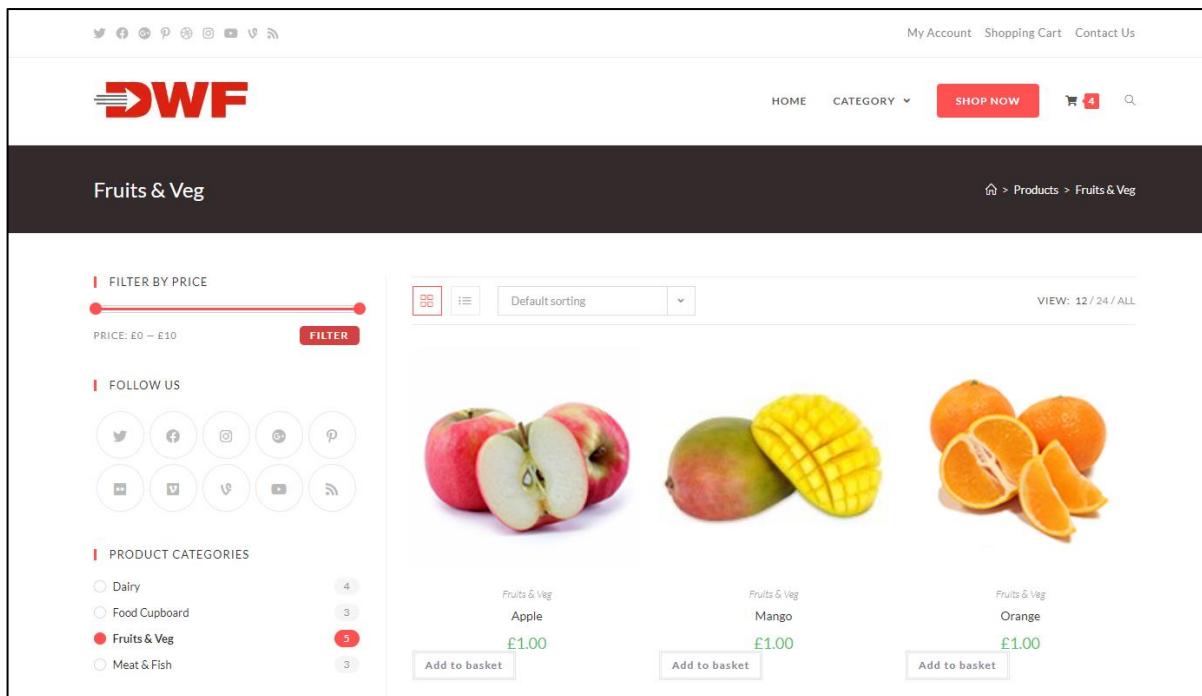


Figure 11.3.29

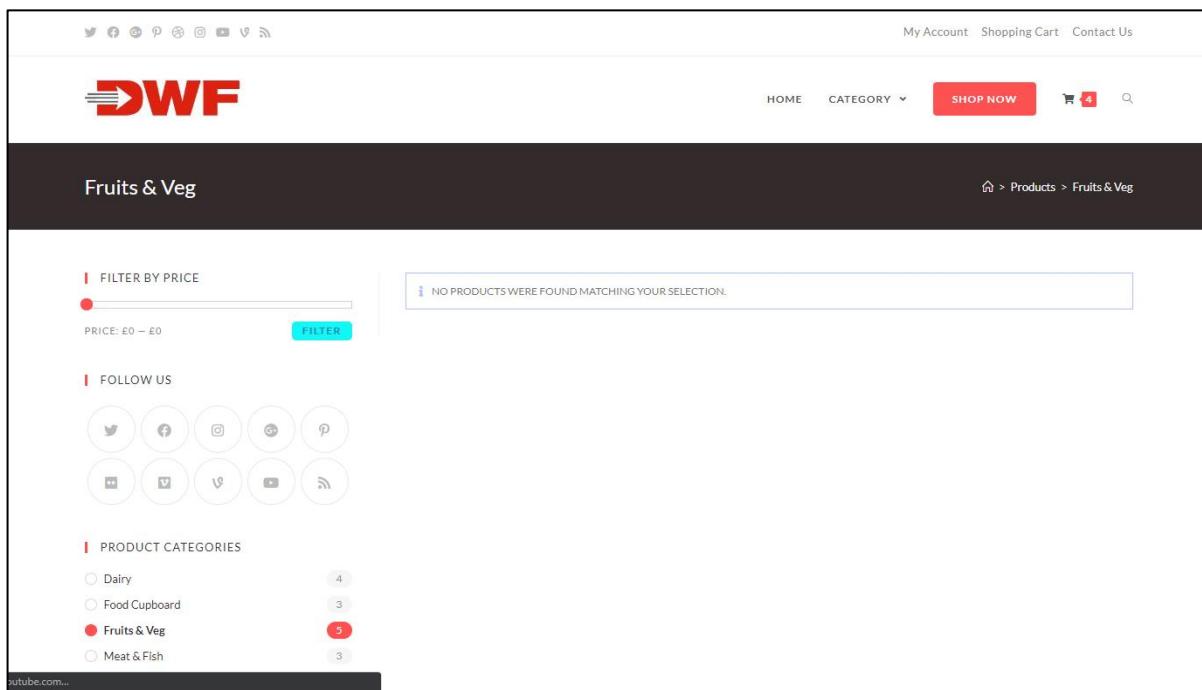


Figure 11.3.30

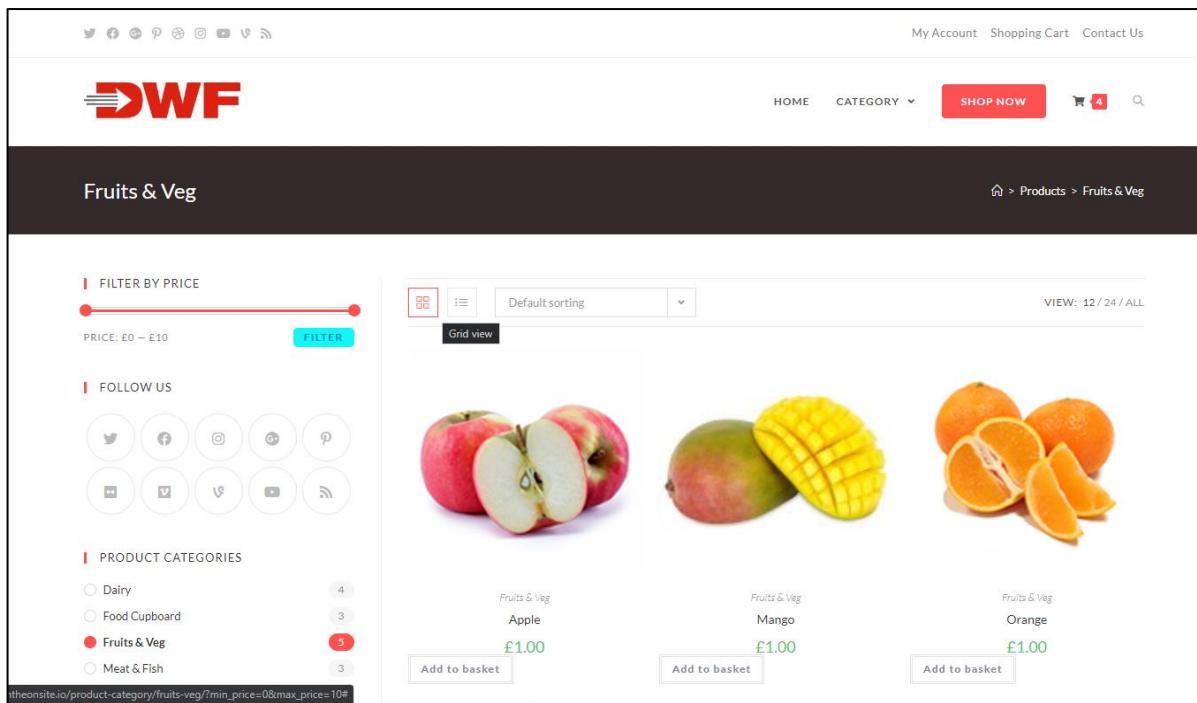


Figure 11.3.31

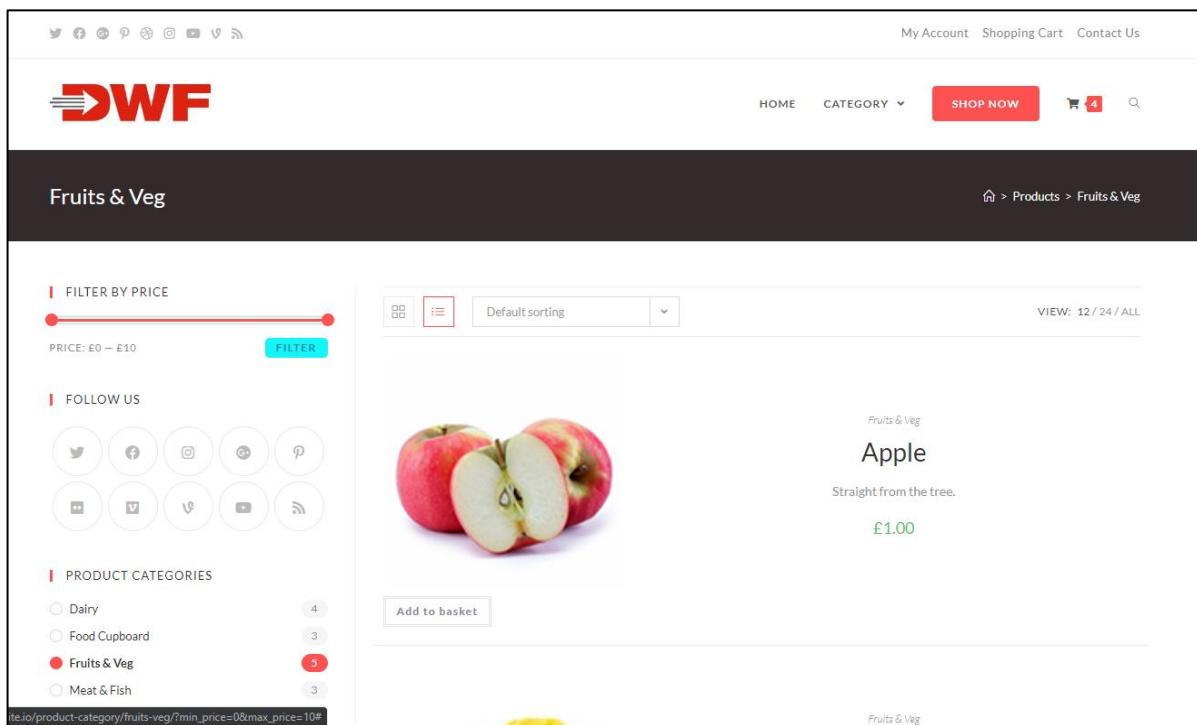


Figure 11.3.32

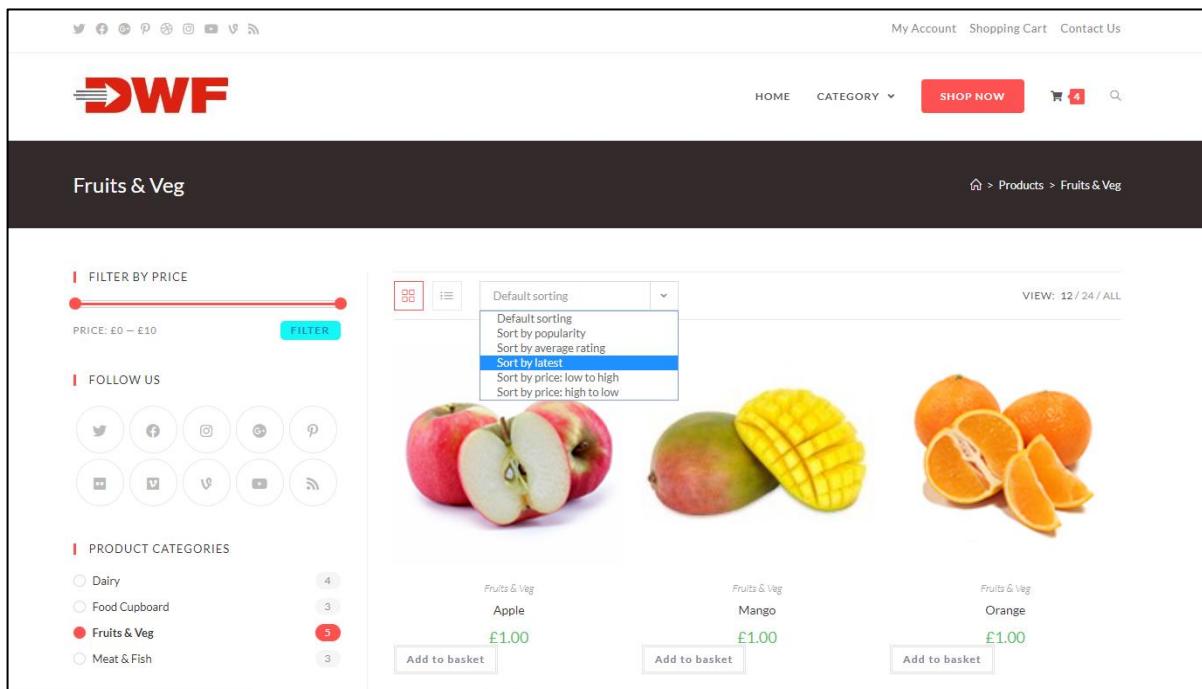


Figure 11.3.33

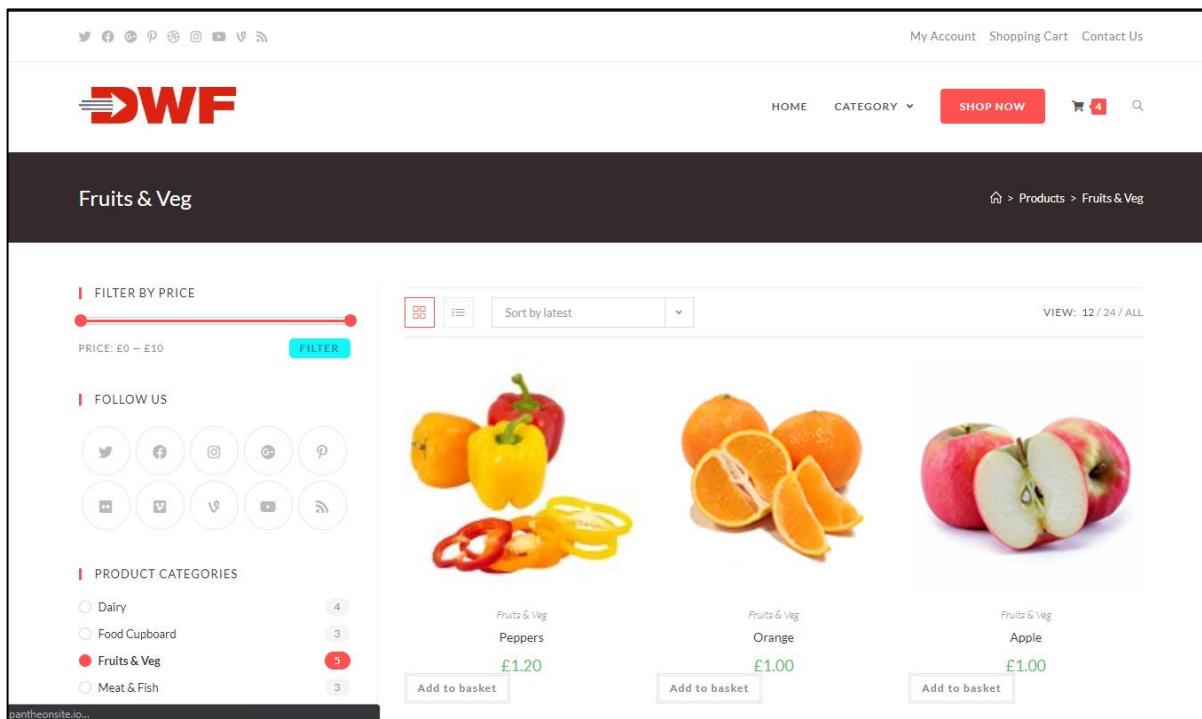


Figure 11.3.34

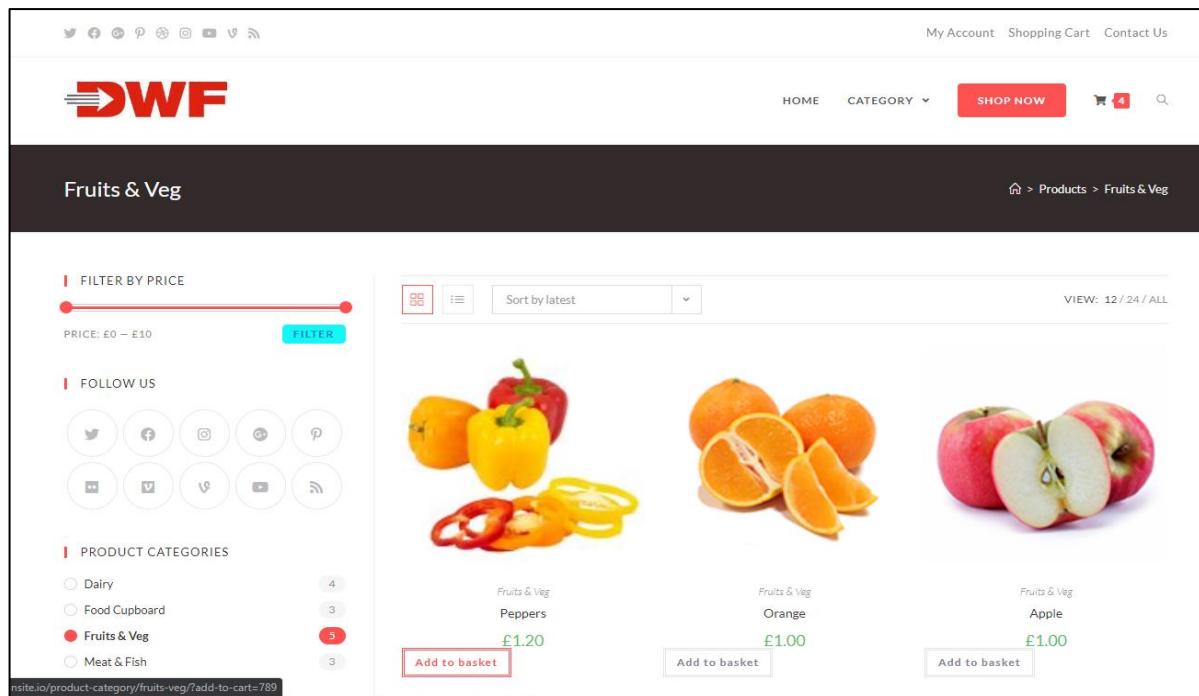


Figure 11.3.35

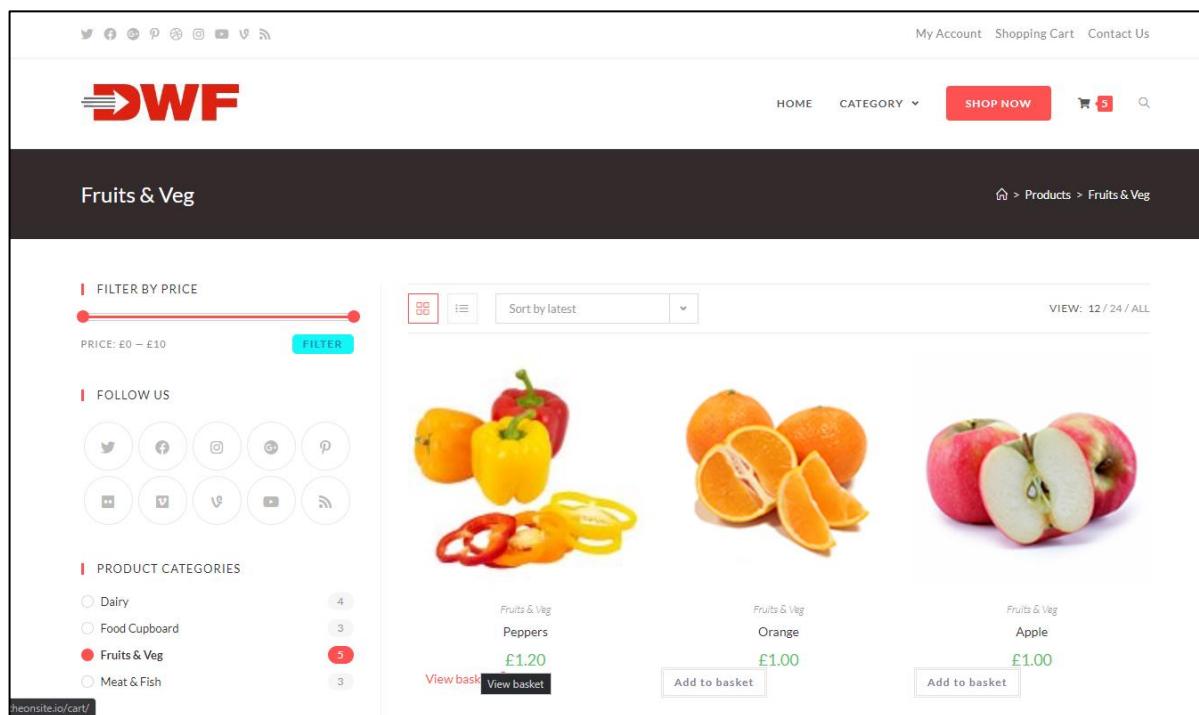


Figure 11.3.36

[Twitter](#) [Facebook](#) [Pinterest](#) [Instagram](#) [YouTube](#) [RSS](#)

My Account Shopping Cart Contact Us

DWF

HOME CATEGORY **SHOP NOW**  

Fruits & Veg

FILTER BY PRICE

PRICE: £0 – £10

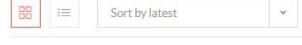
FILTER

FOLLOW US



PRODUCT CATEGORIES

<input type="radio"/> Dairy	4
<input type="radio"/> Food Cupboard	3
<input checked="" type="radio"/> Fruits & Veg	5
<input type="radio"/> Meat & Fish	3





Fruits & Veg
Peppers
£1.20
[View basket](#) 

Fruits & Veg
Orange
£1.00
[Add to basket](#)

Fruits & Veg
Peppers
£1.20
[Add to basket](#)

SUBTOTAL: **£9.20**

VIEW BASKET **CHECKOUT**

Figure 11.3.37

The screenshot shows a search results page for 'Meat & Fish' on the DWF website. The top navigation bar includes links for My Account, Shopping Cart, Contact Us, HOME, CATEGORY, SHOP NOW, and a search icon. The main content area features a sidebar with 'FILTER BY PRICE' (set to £0 - £10), 'FOLLOW US' (with social media icons), and 'PRODUCT CATEGORIES' (Meat & Fish selected). The main grid displays three products: 'Chicken Breast' (£1.50), 'Classic Frankfurter Hot Dogs' (£1.50 - £3.00), and 'Peperami BUNCH OF 5's' (£2.75). Each product card includes an 'Add to basket' button and a 'View products' link.

Figure 11.3.38

The screenshot shows a search results page for 'Meat & Fish' on the DWF website. The layout is identical to Figure 11.3.38, with the same sidebar and navigation. However, the main grid displays a message: 'NO PRODUCTS WERE FOUND MATCHING YOUR SELECTION.' This indicates that no products were found for the current search criteria.

Figure 11.3.39

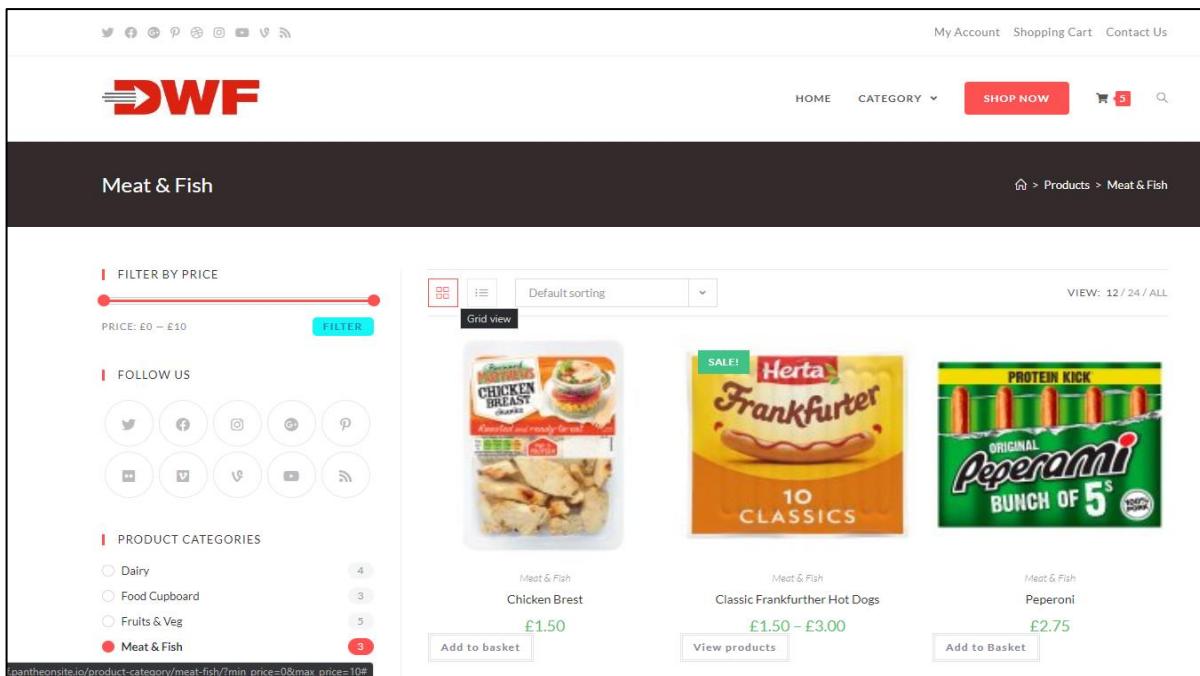


Figure 11.3.40

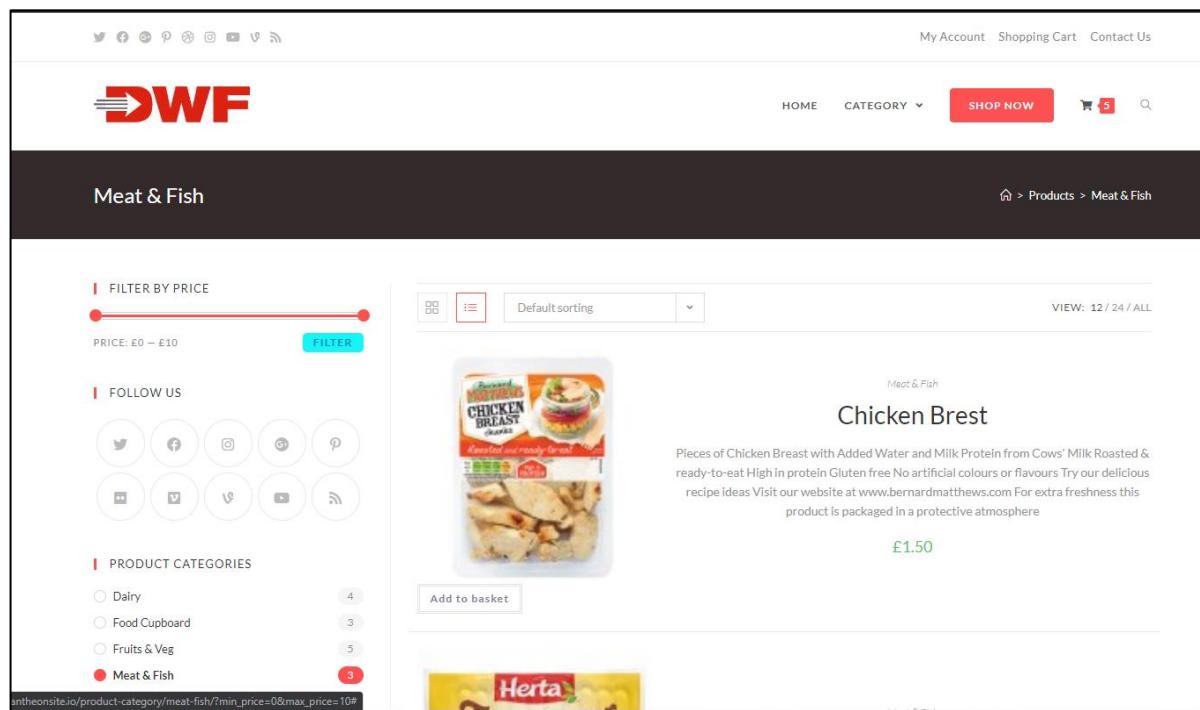


Figure 11.3.41

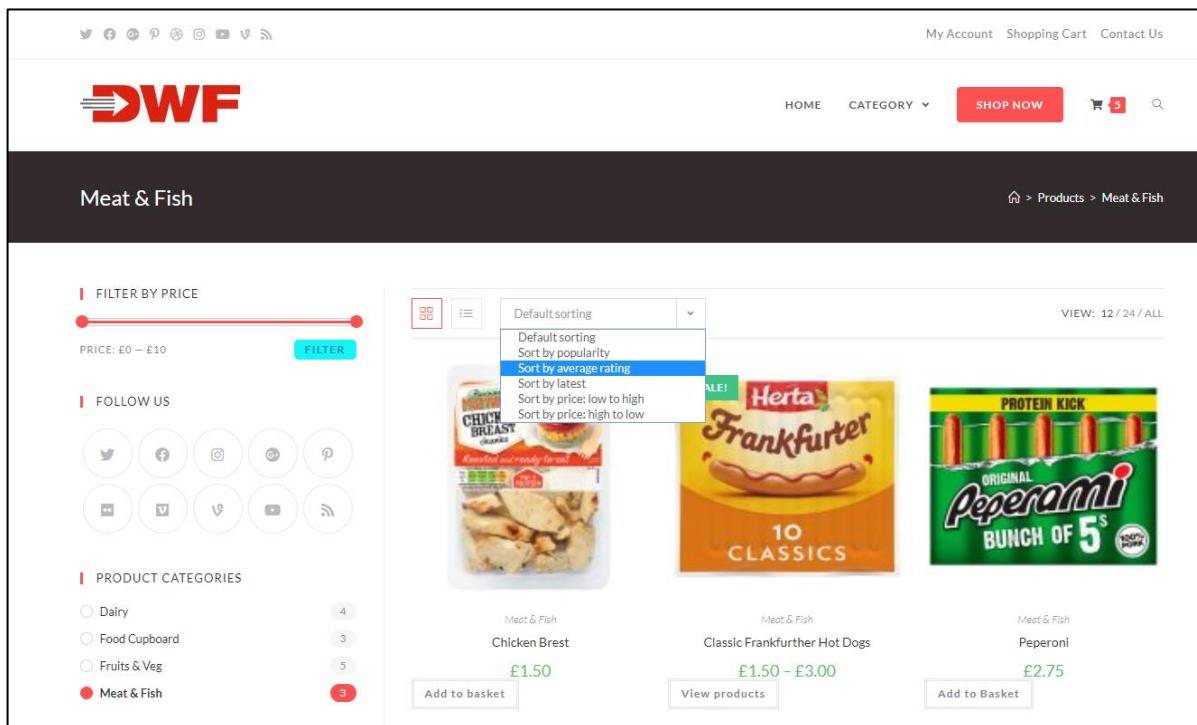


Figure 11.3.42

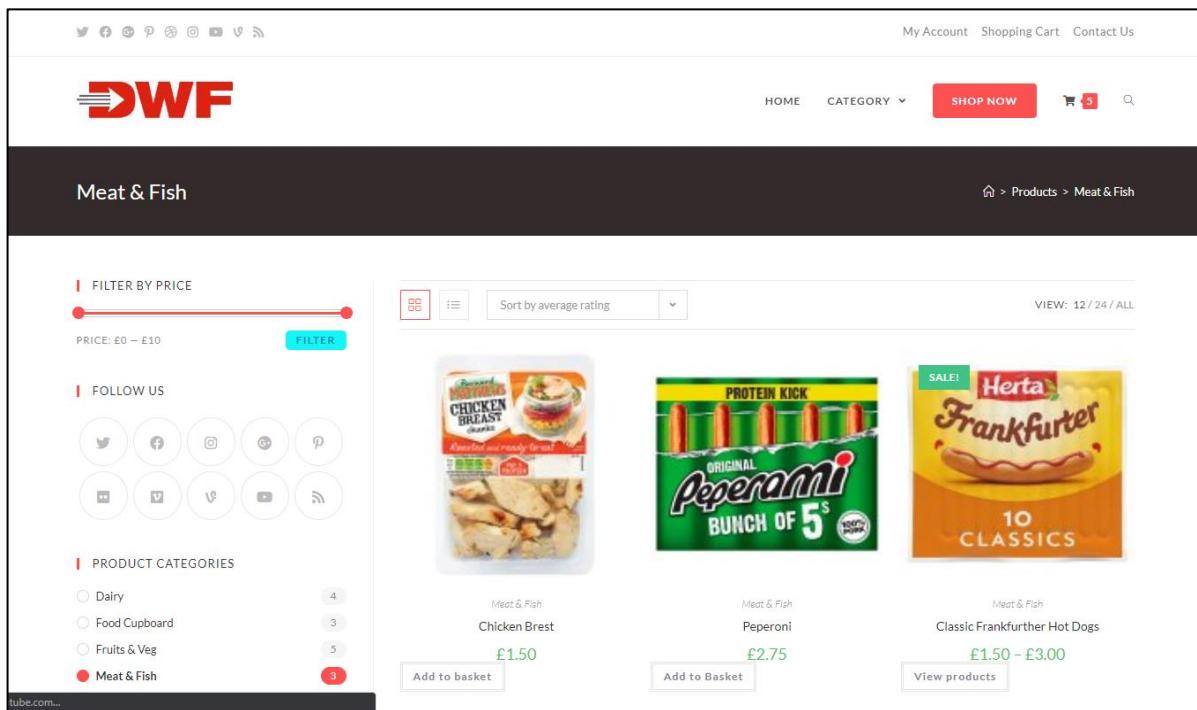


Figure 11.3.43

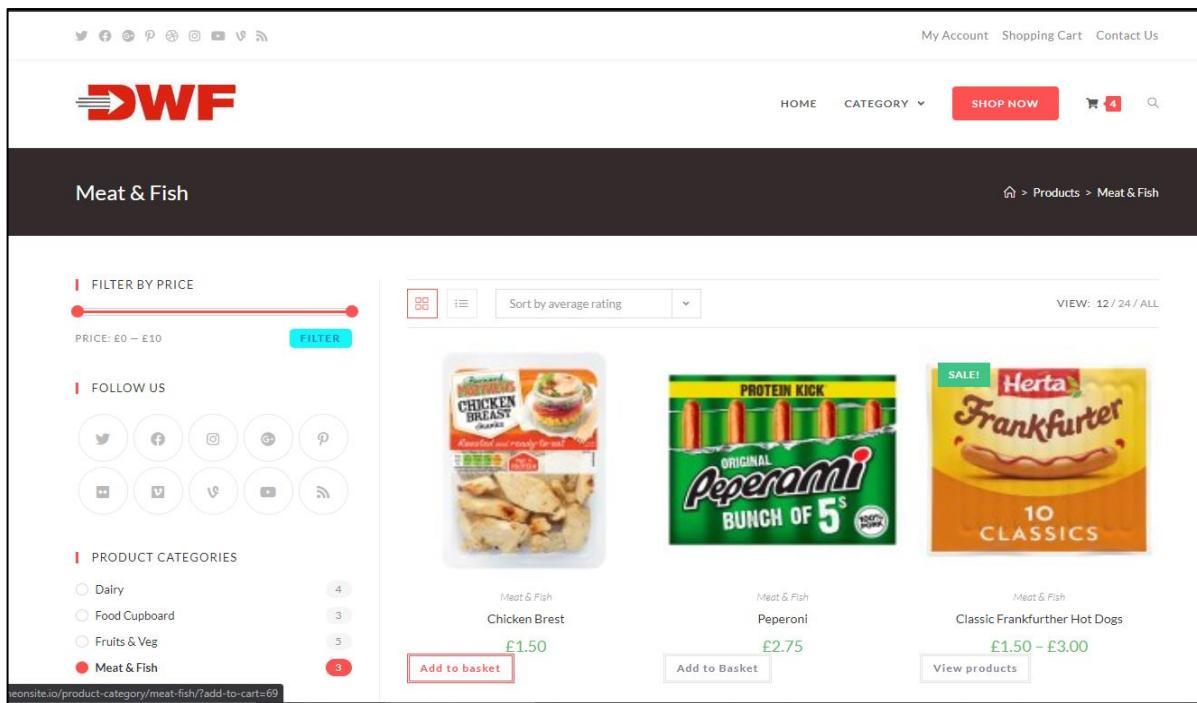


Figure 11.3.44

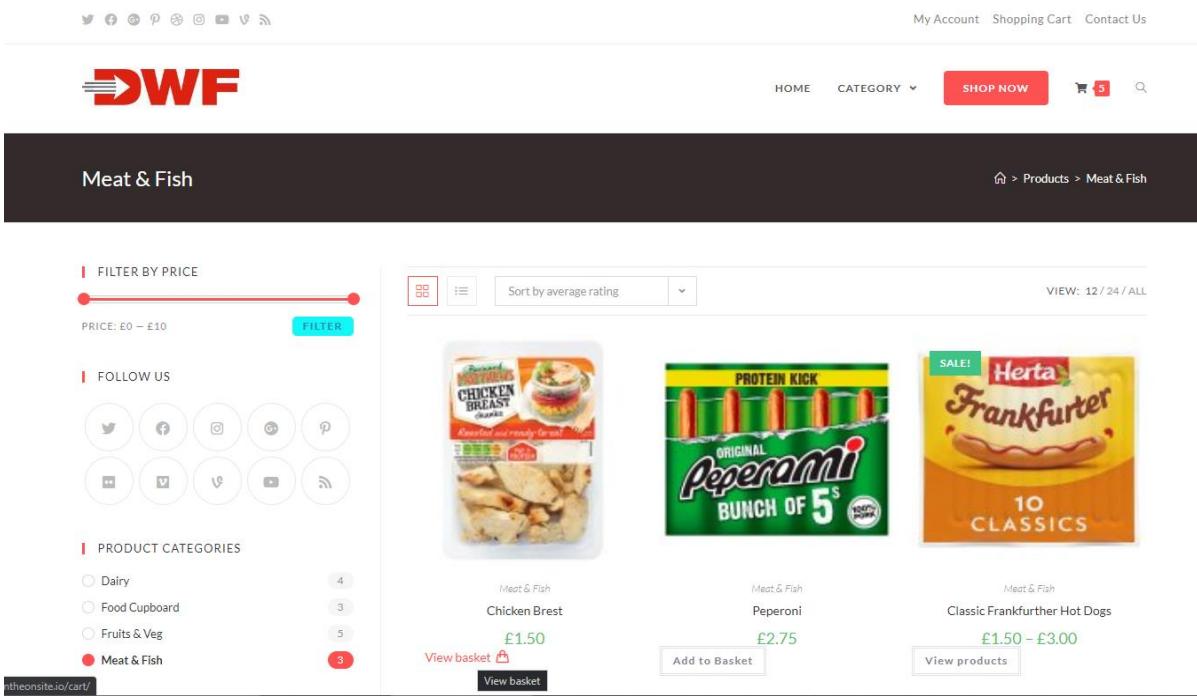


Figure 11.3.45

The screenshot shows a shopping basket interface on the DWF website. The basket contains the following items:

Product	Quantity	Unit Price	Total Price
Milk	1	£1.00	£1.00
Pg Tips	1	£3.00	£3.00
Peppers	1	£1.20	£1.20
Chicken Breast	1	£1.50	£1.50

SUBTOTAL: £9.20

VIEW BASKET **CHECKOUT**

£1.50 - £3.00 **View products**

Meat & Fish

HOME **CATEGORY** **SHOP NOW** **My Account** **Shopping Cart** **Contact Us**

FILTER BY PRICE (Price: £0 - £10) **FILTER**

FOLLOW US

PRODUCT CATEGORIES

- Dairy (4)
- Food Cupboard (3)
- Fruits & Veg (5)
- Meat & Fish (3)**

Sort by average rating

View basket **Add to Basket**

Figure 11.3.46

This screenshot shows the DWF website's products page. On the left, there are filtering options: 'FILTER BY PRICE' (a slider from £0 to £10), 'FOLLOW US' (links to various social media platforms), and 'PRODUCT CATEGORIES' (Dairy, Food Cupboard, Fruits & Veg, Meat & Fish). The main content area displays three products: an 'Apple' (Fruits & Veg, £1.00), a 'Cheese_brie' (Dairy, £2.50), and a 'Chicken Brest' (Meat & Fish, £1.50). Each product has an 'Add to basket' button.

Figure 11.3.47

This screenshot shows the DWF website's products page with a different search or filter selection. The filtering options are identical to Figure 11.3.47. However, the main content area contains a message: 'NO PRODUCTS WERE FOUND MATCHING YOUR SELECTION.' This indicates that no results were found for the current filters.

Figure 11.3.48

My Account Shopping Cart Contact Us

DWF

HOME CATEGORY **SHOP NOW**  

Products

This is where you can add new products to your store.

FILTER BY PRICE
PRICE: £0 – £10 **FILTER**

FOLLOW US

PRODUCT CATEGORIES

- Dairy (4)
- Food Cupboard (3)
- Fruits & Veg (5)
- Meat & Fish (3)

onsite.io/product-category/dairy/



Category	Product	Price	Add to basket
Fruits & Veg	Apple	£1.00	Add to basket
Dairy	Cheese_brie	£2.99 £2.50	Add to basket
Meat & Fish	Chicken Brest	£1.50	Add to basket

VIEW: 12 / 24 / ALL

Figure 11.3.49

My Account Shopping Cart Contact Us

DWF

HOME CATEGORY **SHOP NOW**  

Dairy

Products > Dairy

FILTER BY PRICE
PRICE: £0 – £10 **FILTER**

FOLLOW US

PRODUCT CATEGORIES

- Dairy (4)
- Food Cupboard (3)
- Fruits & Veg (5)
- Meat & Fish (3)

onsite.io/product-category/dairy/



Category	Product	Price	Add to basket
Dairy	Cheese_brie	£2.99 £2.50	Add to basket
Dairy	Lactofree Skimmed Lactose free Fresh Dairy Drink	£1.50	Add to basket
Dairy	Milk	£2.00 £1.00	Add to basket

VIEW: 12 / 24 / ALL

Figure 11.3.50

[Twitter](#) [Facebook](#) [Google+](#) [Pinterest](#) [Instagram](#) [YouTube](#) [RSS](#)

My Account Shopping Cart Contact Us

DWF

HOME CATEGORY [SHOP NOW](#) [Cart \(3\)](#) [Search](#)

Products

This is where you can add new products to your store.

[Grid view](#) [Default sorting](#) [VIEW: 12 / 24 / ALL](#)

FILTER BY PRICE PRICE: £0 – £10 [FILTER](#)

FOLLOW US

PRODUCT CATEGORIES

- Dairy 4
- Food Cupboard 3
- Fruits & Veg 5
- Meat & Fish 3

[antheonsite.io/shop/?min_price=0&max_price=10#](#)

 **Fruits & Veg** **Apple** **£1.00** [Add to basket](#)

 **Dairy** **Cheese_brie** **£2.99 £2.50** [Add to basket](#)

 **Meat & Fish** **Chicken Brest** **£1.50** [Add to basket](#)

Figure 11.3.51

[Twitter](#) [Facebook](#) [Google+](#) [Pinterest](#) [Instagram](#) [YouTube](#) [RSS](#)

My Account Shopping Cart Contact Us

DWF

HOME CATEGORY [SHOP NOW](#) [Cart \(3\)](#) [Search](#)

Products

This is where you can add new products to your store.

[List view](#) [Default sorting](#) [VIEW: 12 / 24 / ALL](#)

FILTER BY PRICE PRICE: £0 – £10 [FILTER](#)

FOLLOW US

PRODUCT CATEGORIES

- Dairy 4
- Food Cupboard 3
- Fruits & Veg 5
- Meat & Fish 3

TOP RATED PRODUCTS

President Butter 

[antheonsite.io/shop/?min_price=0&max_price=10#](#)

 **Fruits & Veg** **Apple**
Straight from the tree. **£1.00** [Add to basket](#)

 **Dairy** **Cheese_brie**
£2.99 £2.50 [Add to basket](#)

Figure 11.3.52

My Account Shopping Cart Contact Us

DWF

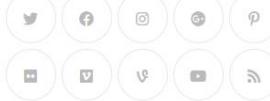
HOME CATEGORY **SHOP NOW**  

Products

This is where you can add new products to your store.

VIEW: 12 / 24 / ALL

FILTER BY PRICE: PRICE: £0 – £10 **FILTER**

FOLLOW US: 

PRODUCT CATEGORIES:

- Dairy 4
- Food Cupboard 3
- Fruits & Veg 5
- Meat & Fish 3

Default sorting: **Sort by popularity** (highlighted)

- Sort by average rating
- Sort by latest
- Sort by price: low to high
- Sort by price: high to low

SALE!

Category	Product	Price	Action
Fruits & Veg	Apple	£1.00	Add to basket
Dairy	Cheese_brie	£2.50	Add to basket
Meat & Fish	Chicken Brest	£1.50	Add to basket

Figure 11.3.53

My Account Shopping Cart Contact Us

DWF

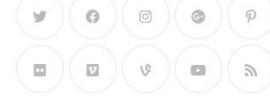
HOME CATEGORY **SHOP NOW**  

Products

This is where you can add new products to your store.

VIEW: 12 / 24 / ALL

FILTER BY PRICE: PRICE: £0 – £10 **FILTER**

FOLLOW US: 

PRODUCT CATEGORIES:

- Dairy 4
- Food Cupboard 3
- Fruits & Veg 5
- Meat & Fish 3

Sort by popularity

SALE!

Category	Product	Price	Action
Dairy	Milk	£1.00	Add to basket
Fruits & Veg	Orange	£1.00	Add to basket
Food Cupboard	Kellogg's Corn Flakes Cereal	£2.50	Add to basket

Figure 11.3.54

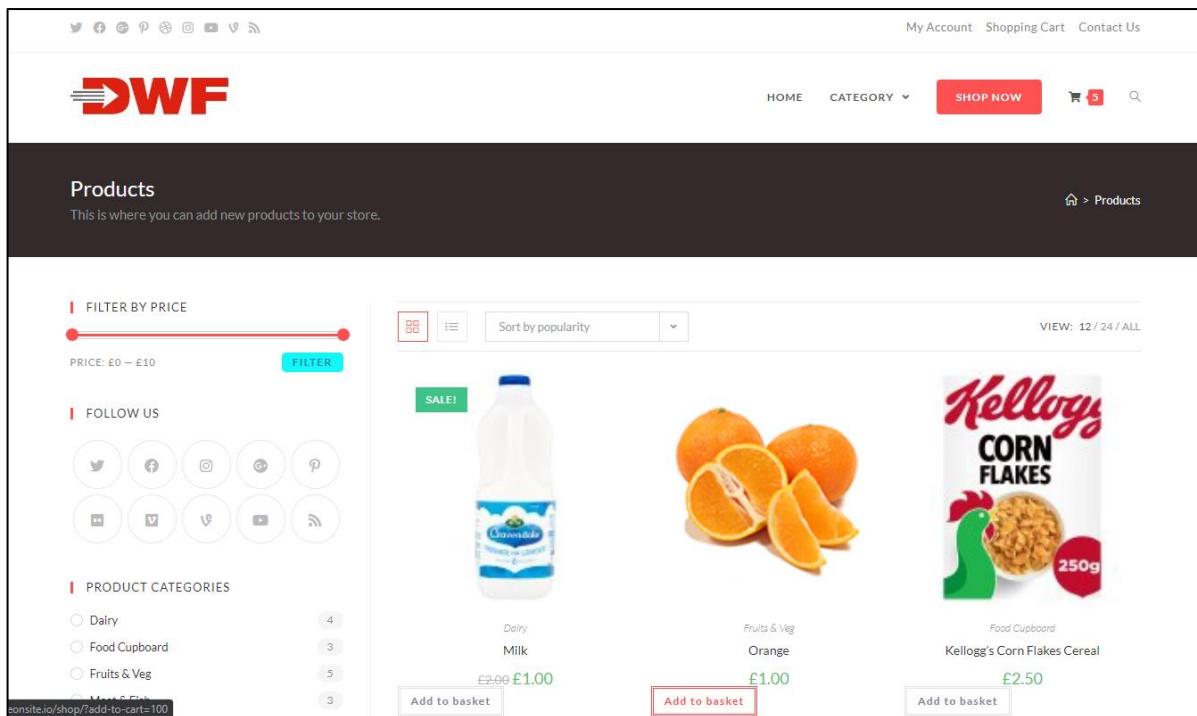


Figure 11.3.55

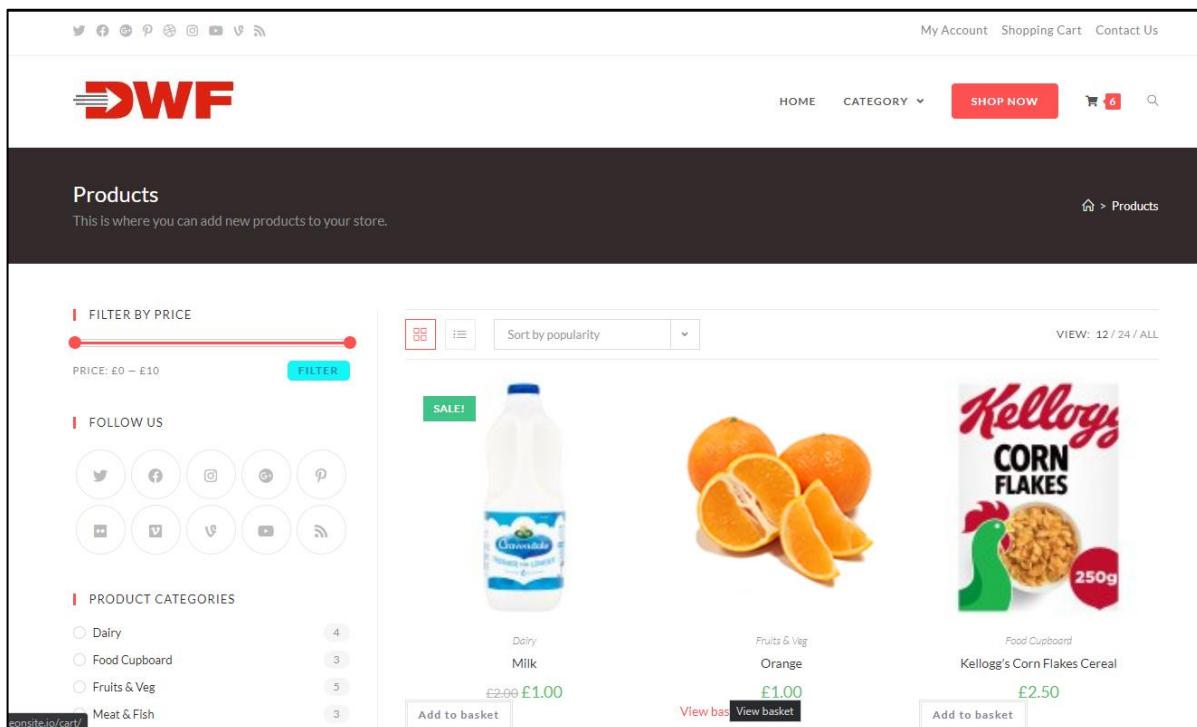


Figure 11.3.56

The screenshot shows a shopping cart interface on the DWF website. The cart contains the following items:

Product	Quantity	Unit Price	Total
PG Tips	1	£3.00	£3.00
Peppers	1	£1.20	£1.20
Chicken Breast	1	£1.50	£1.50
Orange	1	£1.00	£1.00
SUBTOTAL:		£10.20	

Below the cart, there are buttons for "VIEW BASKET" and "CHECKOUT".

On the left side of the page, there is a sidebar with the following sections:

- FILTER BY PRICE:** A slider set between £0 and £10, with a "FILTER" button.
- FOLLOW US:** Links to various social media platforms.
- PRODUCT CATEGORIES:**
 - Dairy (4)
 - Food Cupboard (3)
 - Fruits & Veg (5)
 - Meat & Fish (3)

The main content area features a "SALE!" banner with a bottle of milk and a pile of oranges. Below the banner, there are buttons for "Add to basket" and "View basket".

Figure 11.3.57

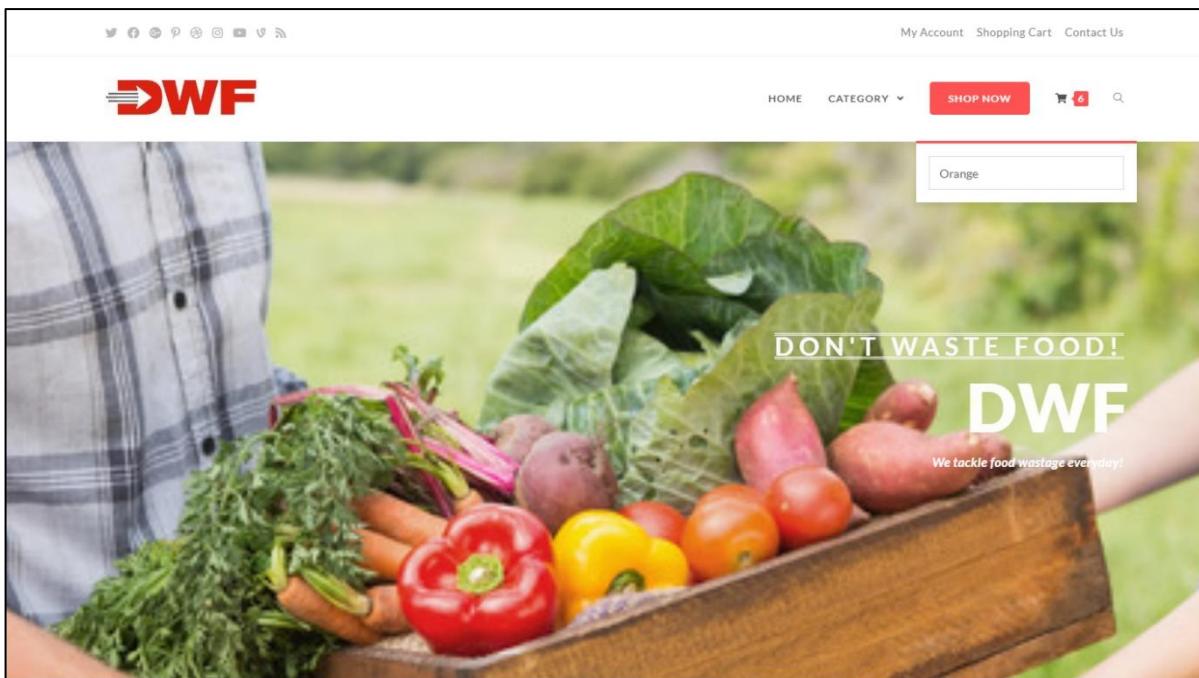


Figure 11.3.58

A screenshot of the DWF website search results page for "Orange". The header is identical to Figure 11.3.58. The main content area displays one search result for "Orange". The result includes a thumbnail image of oranges, the title "Orange", a brief description ("Juicy Orange, Taste the flavour of the sun in every single bite!"), and a "CONTINUE READING" link. To the right is a sidebar with a search bar, a "RECENT POSTS" section listing placeholder posts, and a "RECENT COMMENTS" section listing placeholder comments. The footer contains the URL "dwarf.pantheonsite.io".

Figure 11.3.59

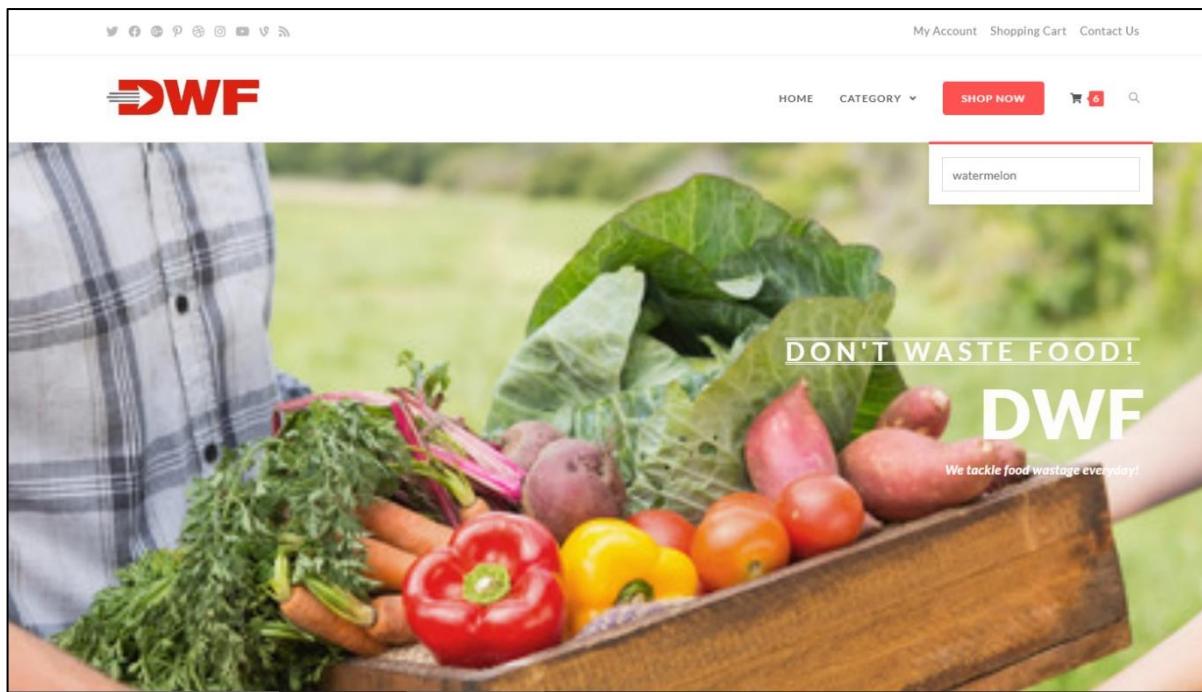


Figure 11.3.60

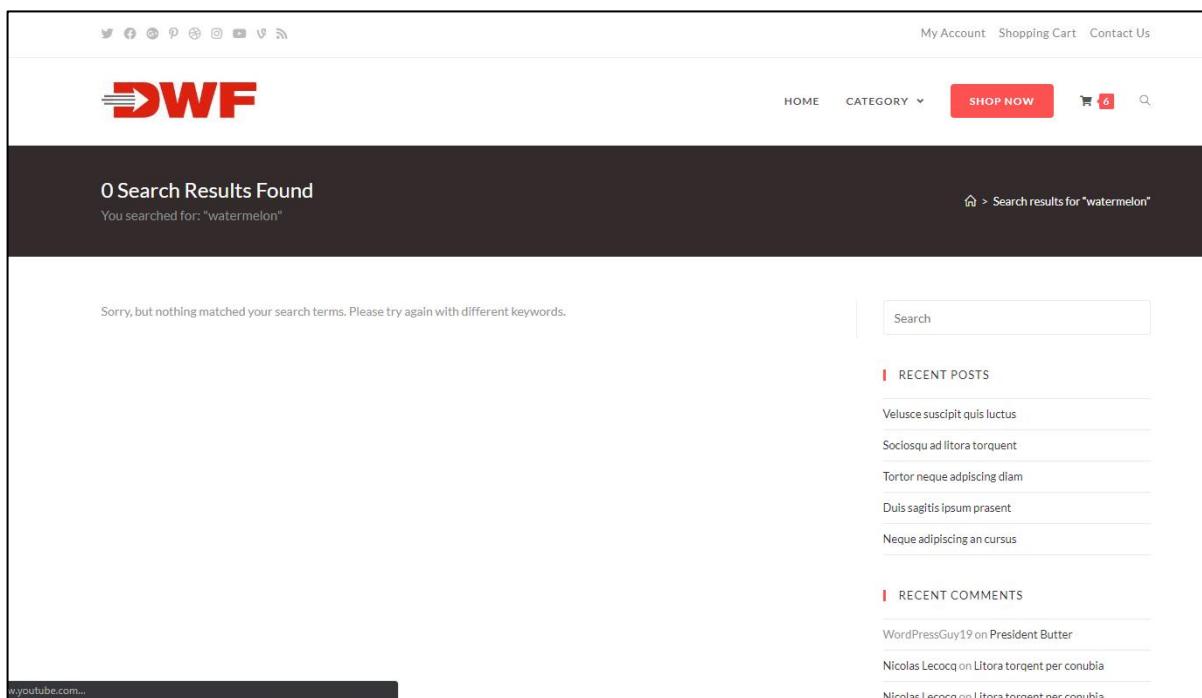
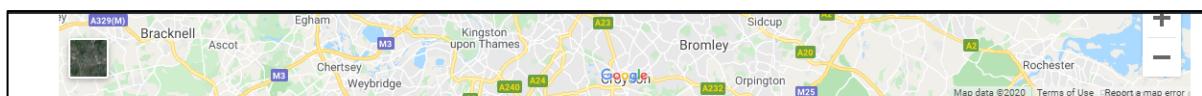


Figure 11.3.61



Contact US

Name *

First Last

Email *

Comment or Message *

Figure 11.3.62

Contact US

Name *

First This field is required.

Last This field is required.

Email *

This field is required.

Comment or Message *

This field is required.

Figure 11.3.63

Contact US

Name *

<input type="text" value="S"/>	<input type="text" value="2"/>
First	Last

Email *

s2@gmail.com

Comment or Message *

Great website|

SUBMIT

This figure shows a contact form titled "Contact US". It includes fields for "Name" (split into "First" and "Last" parts), "Email" (s2@gmail.com), and "Comment or Message" (Great website). A red "SUBMIT" button is located at the bottom.

Figure 11.3.64

Contact US

Thanks for contacting us! We will be in touch with you shortly.

This figure shows a contact form with a message in a green box stating "Thanks for contacting us! We will be in touch with you shortly." The rest of the form is identical to Figure 11.3.64.

Figure 11.3.65

DWF

	PRODUCT	PRICE	QUANTITY	SUBTOTAL
<input type="button" value="X"/>	 Cheese_Brie	£2.50	- <input type="button" value="1"/> +	£2.50
<input type="button" value="X"/>	 Milk	£1.00	- <input type="button" value="1"/> +	£1.00
<input type="button" value="X"/>	 Pg Tips	£3.00	- <input type="button" value="1"/> +	£3.00
<input type="button" value="X"/>	 Peppers	£1.20	- <input type="button" value="1"/> +	£1.20
<input type="button" value="X"/>	 Chicken Breast	£1.50	- <input type="button" value="1"/> +	£1.50
<input type="button" value="X"/>	 Orange	£1.00	- <input type="button" value="1"/> +	£1.00
<input style="width: 150px; margin-right: 10px; border: 1px solid #ccc; padding: 2px;" type="text"/> Coupon code			APPLY COUPON	UPDATE BASKET

Figure 11.3.66

DWF				
	PRODUCT	PRICE	QUANTITY	SUBTOTAL
<input type="button" value="X"/>	 Cheese_Brie	£2.50	<input type="button" value="-"/> <input type="button" value="2"/> <input type="button" value="+"/>	£2.50
<input type="button" value="X"/>	 Milk	£1.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.00
<input type="button" value="X"/>	 Pg Tips	£3.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£3.00
<input type="button" value="X"/>	 Peppers	£1.20	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.20
<input type="button" value="X"/>	 Chicken Brest	£1.50	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.50
<input type="button" value="X"/>	 Orange	£1.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.00
Coupon code		<input type="button" value="APPLY COUPON"/>		
				<input type="button" value="UPDATE BASKET"/>

Figure 11.3.67

DWF				
	PRODUCT	PRICE	QUANTITY	SUBTOTAL
<input type="button" value="X"/>	 Cheese_Brie	£2.50	<input type="button" value="-"/> <input type="button" value="2"/> <input type="button" value="+"/>	£2.50
<input type="button" value="X"/>	 Milk	£1.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.00
<input type="button" value="X"/>	 Pg Tips	£3.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£3.00
<input type="button" value="X"/>	 Peppers	£1.20	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.20
<input type="button" value="X"/>	 Chicken Brest	£1.50	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.50
<input type="button" value="X"/>	 Orange	£1.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.00
Coupon code		<input type="button" value="APPLY COUPON"/>		
				<input type="button" value="UPDATE BASKET"/>

Figure 11.3.68

✓ Basket updated.

	PRODUCT	PRICE	QUANTITY	SUBTOTAL
	Cheese_Brie	£2.50	<input type="button" value="-"/> <input type="button" value="2"/> <input type="button" value="+"/>	£5.00
	Milk	£1.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.00
	Pg Tips	£3.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£3.00
	Peppers	£1.20	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.20
	Chicken Brest	£1.50	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.50
	Orange	£1.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.00
<input type="text" value="Coupon code"/>	<input type="button" value="APPLY COUPON"/>			<input type="button" value="UPDATE BASKET"/>

Figure 11.3.69

✓ Basket updated.

PRODUCT	PRICE	QUANTITY	SUBTOTAL
 Cheese_Brie	£2.50	- 2 +	£5.00
 Milk	£1.00	- 1 +	£1.00
 Pg Tips	£3.00	- 1 +	£3.00
 Peppers	£1.20	- 1 +	£1.20
 Chicken Brest	£1.50	- 1 +	£1.50
 Orange	£1.00	- 1 +	£1.00
Coupon code <input type="text"/>		APPLY COUPON	UPDATE BASKET

https://site.io/cart/?remove_item=dd45045f8c68db9f54e70c67048d32e8&wp...

Figure 11.3.70

✓ "Cheese_brie" removed. UNDO?

PRODUCT	PRICE	QUANTITY	SUBTOTAL
 Milk	£1.00	- 1 +	£1.00
 Pg Tips	£3.00	- 1 +	£3.00
 Peppers	£1.20	- 1 +	£1.20
 Chicken Brest	£1.50	- 1 +	£1.50
 Orange	£1.00	- 1 +	£1.00
Coupon code <input type="text"/>		APPLY COUPON	UPDATE BASKET

https://site.io/cart/?undo_item=dd45045f8c68db9f54e70c67048d32e8&wp...

Figure 11.3.71

DWF

PRODUCT	PRICE	QUANTITY	SUBTOTAL
 Milk	£1.00	- 1 +	£1.00
 PG Tips	£3.00	- 1 +	£3.00
 Peppers	£1.20	- 1 +	£1.20
 Chicken Breast	£1.50	- 1 +	£1.50
 Orange	£1.00	- 1 +	£1.00
 Cheese_Brie	£2.50	- 2 +	£5.00

Coupon code APPLY COUPON UPDATE BASKET

Figure 11.3.72

DWF

	PRODUCT	PRICE	QUANTITY	SUBTOTAL	
<input type="button" value="X"/>		Milk	£1.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.00
<input type="button" value="X"/>		Pg Tips	£3.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£3.00
<input type="button" value="X"/>		Peppers	£1.20	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.20
<input type="button" value="X"/>		Chicken Brest	£1.50	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.50
<input type="button" value="X"/>		Orange	£1.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.00
<input type="button" value="X"/>		Cheese_Brie	£2.50	<input type="button" value="-"/> <input type="button" value="2"/> <input type="button" value="+"/>	£5.00
<input type="text" value="ADASDA"/>		<input type="button" value="APPLY COUPON"/>	<input type="button" value="UPDATE BASKET"/>		

Figure 11.3.73

✗ Coupon "adasda" does not exist!

	PRODUCT	PRICE	QUANTITY	SUBTOTAL	
<input type="button" value="X"/>		Milk	£1.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.00
<input type="button" value="X"/>		Pg Tips	£3.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£3.00
<input type="button" value="X"/>		Peppers	£1.20	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.20
<input type="button" value="X"/>		Chicken Brest	£1.50	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.50
<input type="button" value="X"/>		Orange	£1.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	£1.00
<input type="button" value="X"/>		Cheese_Brie	£2.50	<input type="button" value="-"/> <input type="button" value="2"/> <input type="button" value="+"/>	£5.00
<input type="text" value="Coupon code"/>		<input type="button" value="APPLY COUPON"/>	<input type="button" value="UPDATE BASKET"/>		

Figure 11.3.74

 × Coupon "adasda" does not exist!

PRODUCT	PRICE	QUANTITY	SUBTOTAL
 Milk	£1.00	- 1 +	£1.00
 Pg Tips	£3.00	- 1 +	£3.00
 Peppers	£1.20	- 1 +	£1.20
 Chicken Brest	£1.50	- 1 +	£1.50
 Orange	£1.00	- 1 +	£1.00
 Cheese_Brie	£2.50	- 2 +	£5.00

APPLY COUPON UPDATE BASKET

Figure 11.3.75

 ✓ Coupon code applied successfully.

PRODUCT	PRICE	QUANTITY	SUBTOTAL
 Milk	£1.00	- 1 +	£1.00
 Pg Tips	£3.00	- 1 +	£3.00
 Peppers	£1.20	- 1 +	£1.20
 Chicken Brest	£1.50	- 1 +	£1.50
 Orange	£1.00	- 1 +	£1.00
 Cheese_Brie	£2.50	- 2 +	£5.00

APPLY COUPON UPDATE BASKET

Figure 11.3.76

	Orange	£1.00	- 1 +	£1.00
	Cheese_Brie	£2.50	- 2 +	£5.00

Coupon code **APPLY COUPON** **UPDATE BASKET**

You may be interested in...

Food Cupboard	Meat & Fish
Maryland Minis Chocolate Chip Cookies	Classic Frankfurter Hot Dogs
£1.00	£1.50 - £3.00
Read more	View products

Basket totals

Subtotal	£12.70
Coupon: ajs892jak	-£0.50 [Remove]
Total	£12.20

PROCEED TO CHECKOUT

Figure 11.3.77

Checkout

[HAVE A COUPON? CLICK HERE TO ENTER YOUR CODE](#)

If you have a coupon code, please apply it below.

[APPLY COUPON](#)

BILLING DETAILS		YOUR ORDER	
PRODUCT	SUBTOTAL	PRODUCT	SUBTOTAL
Milk × 1	£1.00	Pg Tips × 1	£3.00
Peppers × 1	£1.20	Chicken Brest × 1	£1.50
Orange × 1	£1.00		

Figure 11.3.78

Checkout

[HAVE A COUPON? CLICK HERE TO ENTER YOUR CODE](#)

X Coupon "abcd" does not exist!

BILLING DETAILS		YOUR ORDER	
PRODUCT	SUBTOTAL	PRODUCT	SUBTOTAL
Milk × 1	£1.00	Pg Tips × 1	£3.00
Peppers × 1	£1.20	Chicken Brest × 1	£1.50
Orange × 1	£1.00	Cheese_Brie × 2	£5.00

Figure 11.3.79

Checkout

HAVE A COUPON? [CLICK HERE TO ENTER YOUR CODE](#)

X Coupon "abcd" does not exist!

If you have a coupon code, please apply it below.

APPLY COUPON

BILLING DETAILS		YOUR ORDER	
First name*	Last name*	PRODUCT	SUBTOTAL
<input type="text"/>	<input type="text"/>	Milk × 1	£1.00
Company name (optional) <input type="text"/>		Pg Tips × 1	£3.00
Country / Region* <input type="text" value="United Kingdom (UK)"/>		Peppers × 1	£1.20

Figure 11.3.80

Checkout

HAVE A COUPON? [CLICK HERE TO ENTER YOUR CODE](#)

✓ Coupon code applied successfully.

BILLING DETAILS		YOUR ORDER	
First name*	Last name*	PRODUCT	SUBTOTAL
<input type="text"/>	<input type="text"/>	Milk × 1	£1.00
Company name (optional) <input type="text"/>		Pg Tips × 1	£3.00
Country / Region* <input type="text" value="United Kingdom (UK)"/>		Peppers × 1	£1.20
Street address* <input type="text" value="House number and street name"/>		Chicken Brest × 1	£1.50
Apartment, suite, unit, etc. (optional) <input type="text"/>		Orange × 1	£1.00
		Cheese_Brie × 2	£5.00

Figure 11.3.81

YOUR ORDER

PRODUCT	SUBTOTAL
Milk × 1	£1.00
Pg Tips × 1	£3.00
Peppers × 1	£1.20
Chicken Brest × 1	£1.50
Orange × 1	£1.00
Cheese_Brie × 2	£5.00
Subtotal	£12.70
Coupon: Ajs892jak	-£0.50 [Remove]
Total	£12.20

Figure 11.3.82

House number and street name

Apartment, suite, unit, etc. (optional)

Town / City*

County (optional)

Postcode*

Phone*

Email address*

PRODUCT	SUBTOTAL
Orange × 1	£1.00
Cheese_Brie × 2	£5.00
Subtotal	£12.70
Coupon: Ajs892jak	-£0.50 [Remove]
Total	£12.20

Direct bank transfer

Make your payment directly into our bank account. Please use your Order ID as the payment reference. Your order will not be shipped until the funds have cleared in our account.

PayPal [What is PayPal?](#)

Your personal data will be used to process your order, support your experience throughout this website, and for other purposes described in our [privacy policy](#).

PLACE ORDER

ADDITIONAL INFORMATION

Order notes (optional)

Notes about your order, e.g. special notes for delivery.

Figure 11.3.83

- ✗ Billing First name is a required field.
- ✗ Billing Last name is a required field.
- ✗ Billing Street address is a required field.
- ✗ Billing Town / City is a required field.
- ✗ Billing Postcode is a required field.
- ✗ Billing Phone is a required field.

BILLING DETAILS

First name*

Last name*

Company name (optional)

Country / Region*

Street address*

House number and street name

Apartment, suite, unit, etc. (optional)

Town / City*

YOUR ORDER

PRODUCT	SUBTOTAL
Milk × 1	£1.00
Pg Tips × 1	£3.00
Peppers × 1	£1.20
Chicken Brest × 1	£1.50
Orange × 1	£1.00
Cheese_Brie × 2	£5.00
Subtotal	£12.70

Figure 11.3.84

Figure 11.3.85

Mango
£1.00

DESCRIPTION REVIEWS (0)

Reviews

There are no reviews yet.

Your rating ★★★★★

Your review *

Amazing test and blend.

SUBMIT

Figure 11.3.86

Cheese_brie
£2.90 £2.50

Tag: breakfast

DESCRIPTION REVIEWS (1)

1 review for Pg Tips

WordPressGuy19 - 27 April 2020 ★★★★★

Amazing test and blend.

Your rating ★★★★★

Your review *

SUBMIT

Figure 11.3.87

12 Evaluation [All]

Now the project has pretty much been completed. We move on to evaluation where we discuss the positives and negatives of this project. As well as possible improvements which we can apply in our future projects. We will begin our evaluation with updated backlog and Gantt chart to highlight our performance as a group. For example, if the task were completed before or within the deadline. Or a task that had no option but to be delayed etc.

12.1 Backlog [Aminata]

Group Backlog							Group	5	
Task	D	Task N	Task Description	Priority	Assigned to	Due Date	Completed/Upl	Reassign	Notes/ Tools and Languages
1a	07-Feb	Create Minutes	Record the meeting in the minutes for Meeting 1.	Medium	Samig	07/02/2020	07/02/2020		Microsoft Word
1b	07-Feb	Create Agenda	Create an agenda for Meeting 2.	Low	Samig	09/02/2020	07/02/2020		Microsoft Word
1c	07-Feb	Allocation	Allocate task to each members	High	Ami	07/02/2020	07/02/2020		Microsoft Word
1d	07-Feb	Backlog	Update the backlog	High	Ami	07/02/2020	07/02/2020		Microsoft Excel
1e	07-Feb	Plan Requirements	Requirements for: -Users -Back End -Front End -E-commerce	High	All	10/02/2020	09/02/2020		
1f	07-Feb	Create Gantt Chart	Create a Gantt Chart using Microsoft Project	High	Fahim	11/02/2020	21/02/2020		Microsoft Project
1g	07-Feb	Table of contents	Create table of contents	Medium	Kevin and Ami	14/02/2020	09/02/2020		Microsoft Word
1h	07-Feb	Project description	Presentation of the project which will be included in the Powerpoint, give other team members details about the overall project	High	Thierno and Samig	14/02/2020	14/02/2020		Microsoft Word PowerPoint
1i	07-Feb	Powerpoint	Create a powerpoint to upload on 1st March 2020	High	All	01/03/2020	01/03/2020		Microsoft PowerPoint
1j	07-Feb	Create CPA	Create a Critical Path Analysis for the Project	Optional	Fahimul	17/02/2020	01/03/2020		Microsoft Word

Figure 12.1.1

This figure displays all tasks from 1a to 1j. Task 1 is mostly about understanding our group roles and the requirements. Most tasks were completed within the due date. The backlog still marks the completion date red if the task is completed within the due date.

2a	10-Feb	Research	Research: -Tables (Database) -HTML -Javascript -WebServices -PHP -CPA	High	All	17/02/2020	15/02/2020		Lynda.com
2b	13-Feb	Create Minutes	Record the meeting in the minutes for Meeting 2.	Medium	Samig	14/02/2020	13/02/2020		Microsoft Word
2c	13-Feb	Create Agenda	Create an agenda for Meeting 3.	Low	Samig	13/02/2020	13/02/2020		Microsoft Word
2d	14-Feb	Create Minutes	Record the meeting in the minutes for Meeting 3.	Medium	Ami	17/02/2020	14/02/2020		Microsoft Word
2e	14-Feb	Create Agenda	Create an agenda for Meeting 4.	Low	Ami	21/02/2020	15/02/2020		Microsoft Word

Figure 12.1.2

This figure shows tasks 2a to 2e. Task 2 was mostly research on components we may need when we start designing and developing our website. Most were completed before the due date.

3a	17-Feb	Design	Design of: -Layout of the Website -Databases & Tables -Interactive features of the website -Login system	High	Thierno and Ami	24/02/2020	22/02/2020		Draw.io
3b	21-Feb	Create Minutes	Record the meeting in the minutes for Meeting 4.	Medium	Ami	22/02/2020	21/02/2020		Microsoft Word
3c	21-Feb	Create Agenda	Create an agenda for Meeting 5.	Low	Ami	28/02/2020	25/02/2020		Microsoft Word

Figure 12.1.3

This figure shows tasks 3a to 3c which was the Design task. All task was completed before the deadline due to its ease compares to other tasks.

4a	24-Feb	Develop Front-End of Website	Develop: -The layout of website with HTML/CSS -Add features with Javascript -Bootstrap & FontAwesome	High	Thierno, Kevin, Ami	09/03/2020	01/03/2020		WordPress
4b	24-Feb	Develop Back-End Website	Development of: -Login System using PHP -Develop SQL	High	Thierno, Kevin, Fahim	09/03/2020	01/03/2020		WordPress, phpMyAdmin
4c	28-Feb	Create Minutes	Record the meeting in the minutes for Meeting 5.	Medium	Samig	29/02/2020	28/02/2020		Microsoft Word
4d	28-Feb	Create Agenda	Create an agenda for Meeting 6.	Low	Samig	06/03/2020	13/03/2020		Microsoft Word

Figure 12.1.4

This figure shows task 4a to 4d which was the Development task. All task was completed far before the development. Our group members were enthusiastic about developing the website, so it was completed early. However, due to coronavirus fears the agenda for meeting 6 due at 06/03/2020 was completed on 13/03/2020. Besides, our group members didn't attend our proposed meeting 06/03/2020. Instead, we moved our meeting to 20/03/2020. Of course, we couldn't attend live meetings, therefore, we decided to have a meeting on an online platform Zoom.

5a	06-Mar	Create Minutes	Record the meeting in the minutes for Meeting 6.	Medium	Ami	07/03/2020	20/03/2020		Microsoft Word
5b	06-Mar	Create Agenda	Create an agenda for Meeting 7.	Low	Ami	28/02/2020	21/03/2020		Microsoft Word
5c	09-Mar	Testing	Testing: -Main Website -Login/Register System -E-commerce Features	High	Samig and Ami	13/03/2020	08/04/2020		Microsoft Word
5d	09-Mar	Evaluation	Evaluating the website with the user.	High	All	13/03/2020	15/04/2020		Microsoft Word
5e	13-Mar	Create Minutes	Record the meeting in the minutes for Meeting 7.	Medium	Samig	13/03/2020	17/04/2020		Microsoft Word

Figure 12.1.5

This figure shows task 5a to 5e which was Testing and Evaluation task. With the national lockdown put in place, live meetings were out of context. So, all our meetings were in Zoom from now as well as all task was delayed. Our meeting 7 was moved to 17/04/2020 from 13/03/2020 which was like a month delay. Furthermore, our group members weren't responsive as usual for personal reasons, so these dates had to be delayed.

6a	13-Mar	Create Agenda	Create an agenda for Meeting 8.	Low	Samig	20/03/2020	18/04/2020		Microsoft Word
6b	13-Mar	Report	Create a report for the project	High	All	27/03/2020	19/04/2020		Microsoft Word
6c	20-Mar	Create Minutes	Record the meeting in the minutes for Meeting 8.	Medium	Ami	21/03/2020	24/04/2020		Microsoft Word
6d	20-Mar	Create Agenda	Create an agenda for Meeting 9.	Low	Ami	27/03/2020	25/04/2020		Microsoft Word
6e	27-Mar	Create Minutes	Record the meeting in the minutes for Meeting 9	Medium	Samig	28/03/2020	01/05/2020		Microsoft Word
6f	28-Mar	Software Demo Clip	Record a clip together with group members for Software Demo	High	All	01/04/2020	01/05/2020		Zoom

Figure 12.1.6

This figure shows task 6a to 6f which was mainly finishing off the project and documenting it. Similarly, to Task 5, Task 6 was delayed to a month late date. All meetings were still carried out on Zoom.

12.2 Gantt Chart [Fahimul]

Previously, at section 7.2 we had figures of our Gantt Chart with 0% progress. In this section, our weekly updated Gantt Chart will be shown. We updated our Gantt Chart every Monday, any delayed task will be explained and indicated by the progress percentage as well as the bar colour.

Gantt Chart 10/02/2020

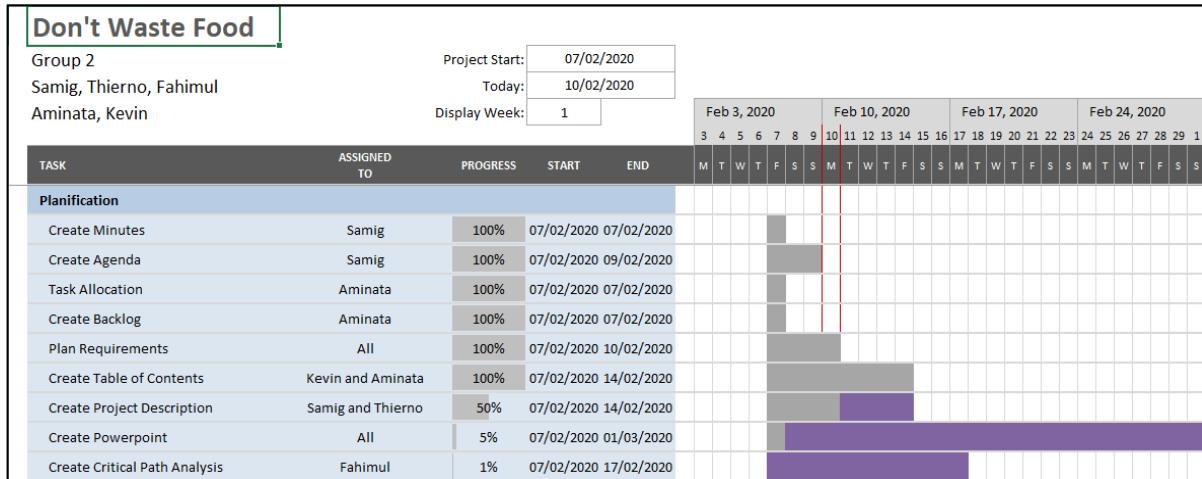


Figure 12.2.1

In this figure, our target date is 10/02/20. Most of the tasks are completed with 100% progress which is also indicated in the bar. Task 'Create Table of Contents' has been completed at 09/02/20 which is before its end date. While Project Description, PowerPoint and CPA are still under progress.

Gantt Chart 17/02/2020

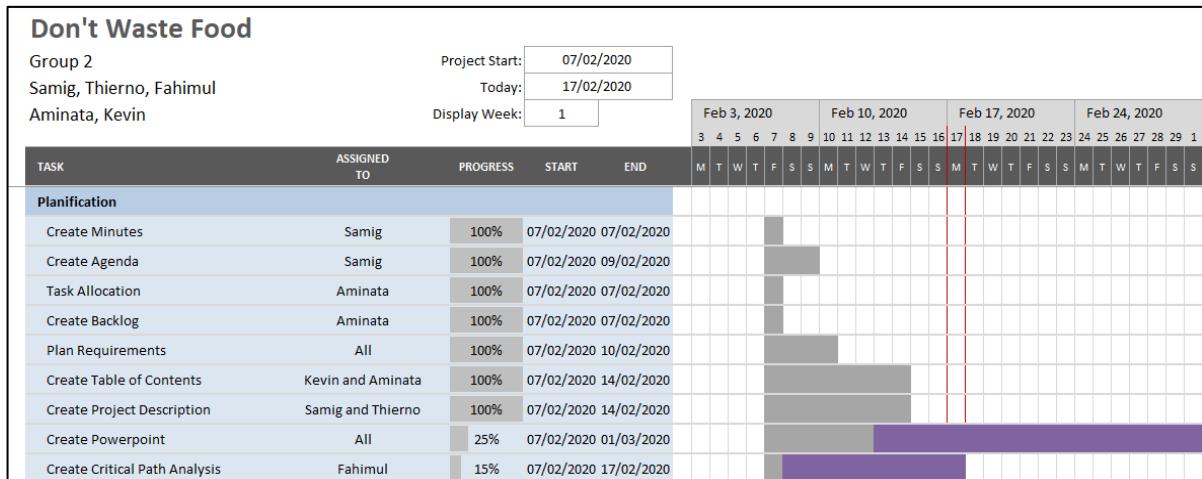


Figure 12.2.2

On the target date 17/02/20 most of the Planification task was completed with two tasks still ongoing. However, task 'Create Critical Path Analysis' was delayed due to the task being difficult.

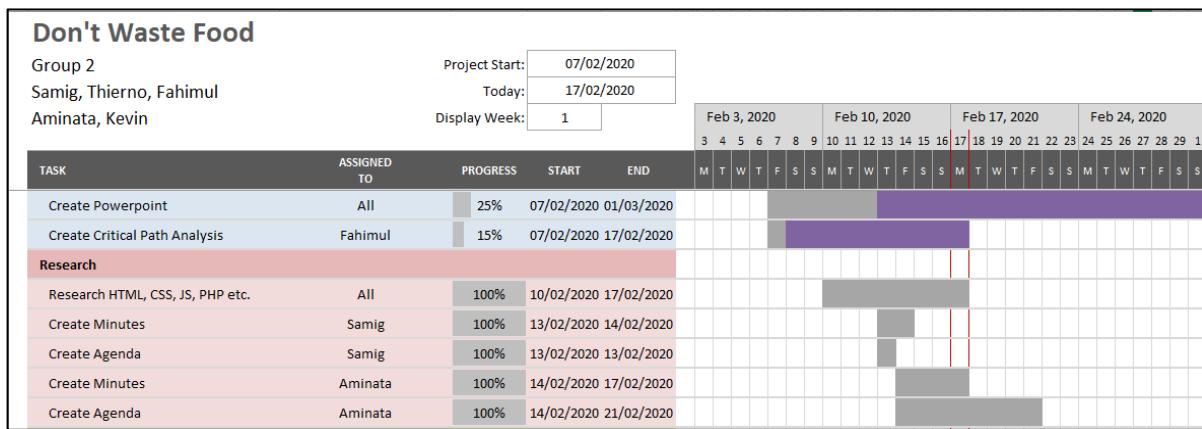


Figure 12.2.3

For our Research task, all have 100% progress due to the tasks being easy to carry out. The task 'Create Agenda' due on 21/02/2020 was completed on 15/02/2020.

Gantt Chart 24/02/2020

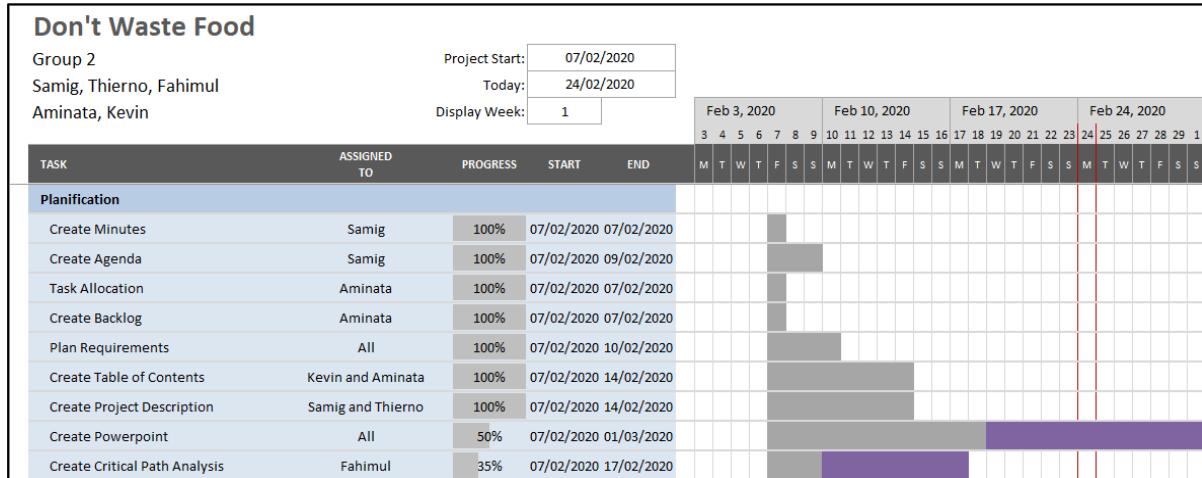


Figure 12.2.4

On target date 24/02/2020, the remaining planification task is still on progress with PowerPoint task 50% completed and CPA task with 35% complete despite being past the due date.

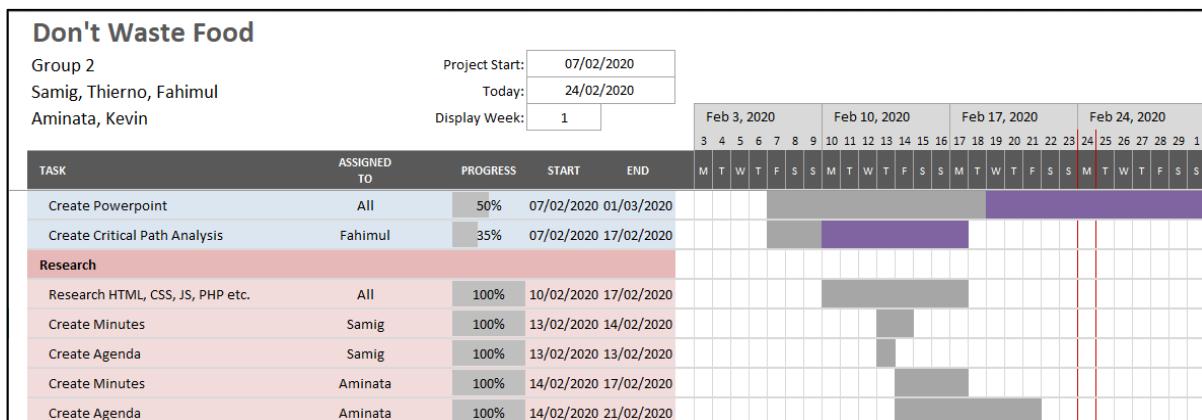


Figure 12.2.5

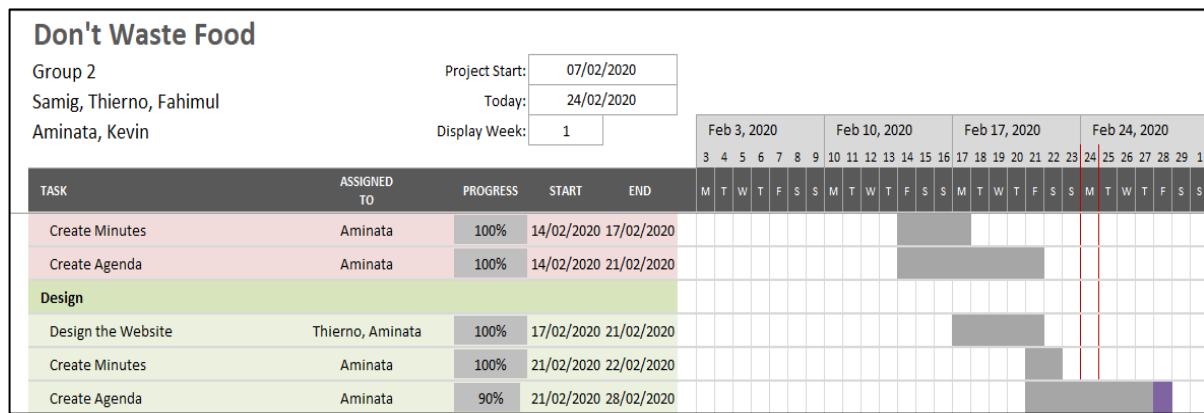


Figure 12.2.6

Most of the Design task has been completed with the task ‘Create Agenda’ on 90% progress because it was completed on 25/02/2020. Which is still way before the due date.

Gantt Chart 02/03/2020

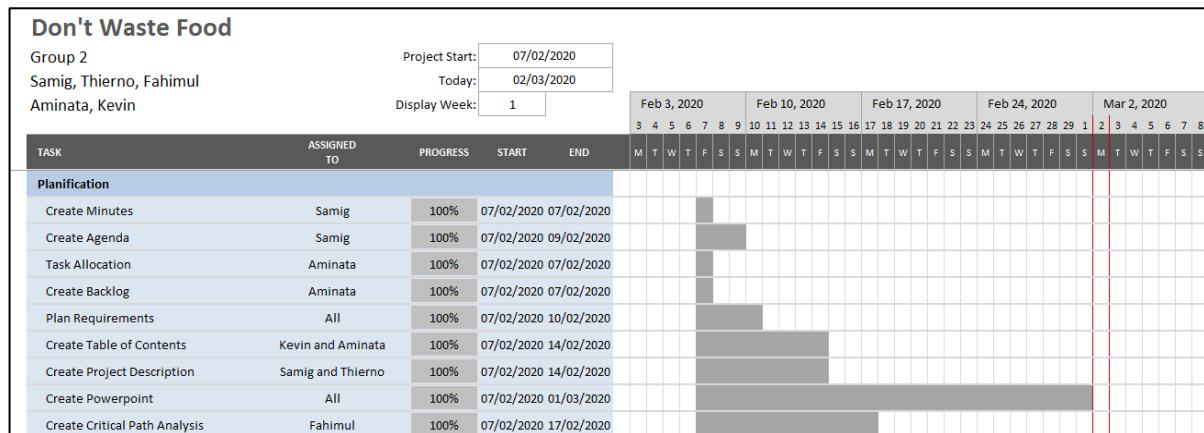


Figure 12.2.7

This figure shows the Planification task on the target date 02/03/2020. All the tasks have 100% progress. The PowerPoint and CPA task were both completed on 01/03/2020. The PowerPoint task was completed on the due date however CPA was delayed and completed eventually.

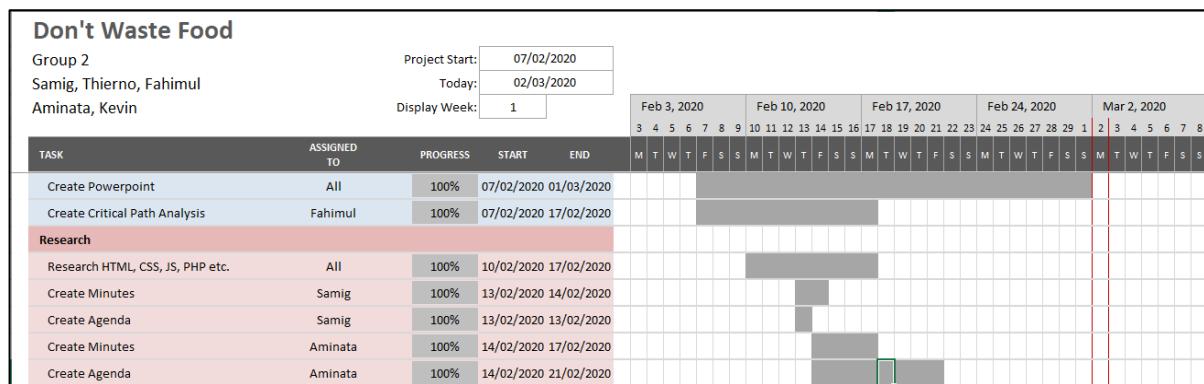


Figure 12.2.8

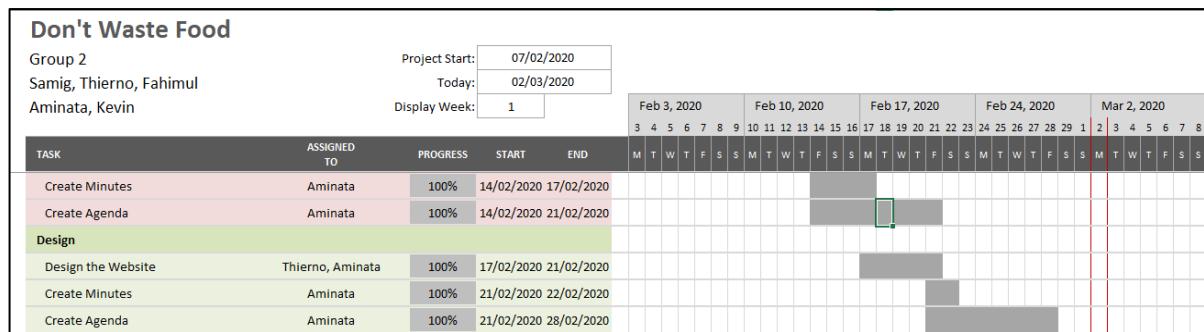


Figure 12.2.9

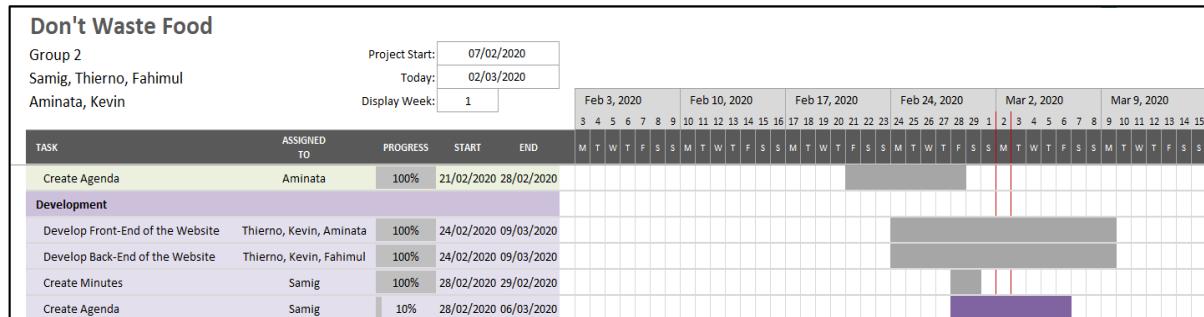


Figure 12.2.10

Furthermore, most of Development task was completed early compare to their due date. Development of Front-End and Back-End of the website was completed on 01/03/2020. While the minutes were completed on 28/02/2020. Agenda was still on progress which is due in 06/03/2020. Usually, it would be completed early too but due to coronavirus outbreak, we had to decide our agendas and meeting once more.

Gantt Chart 09/03/2020

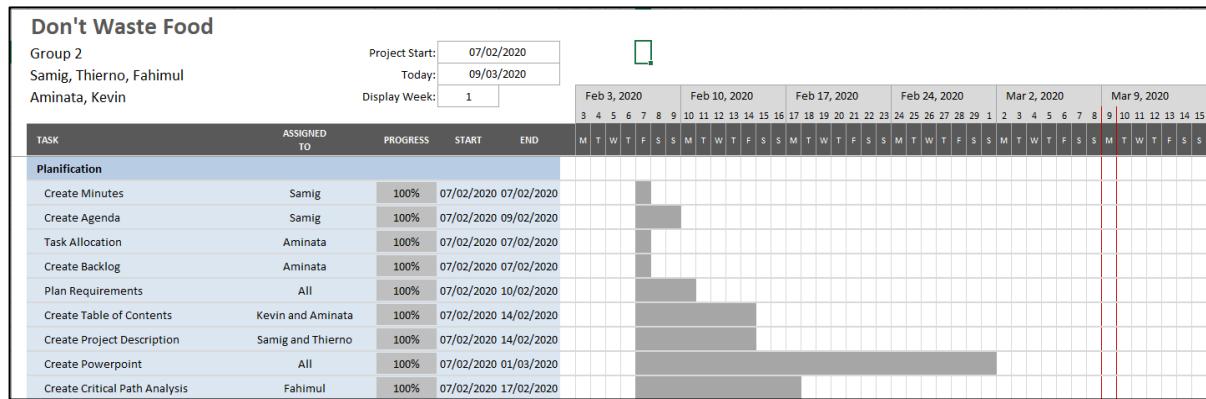


Figure 12.2.11

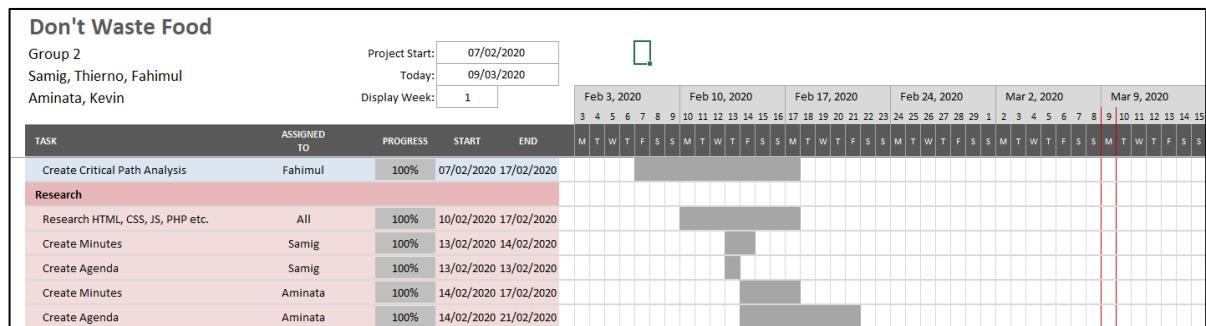


Figure 12.2.12

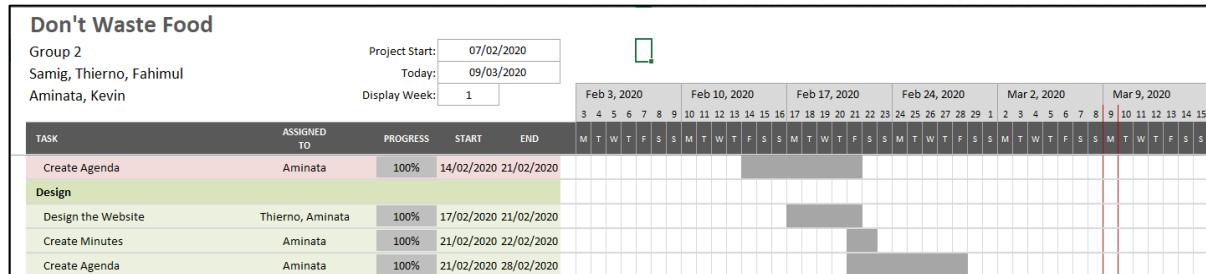


Figure 12.2.13

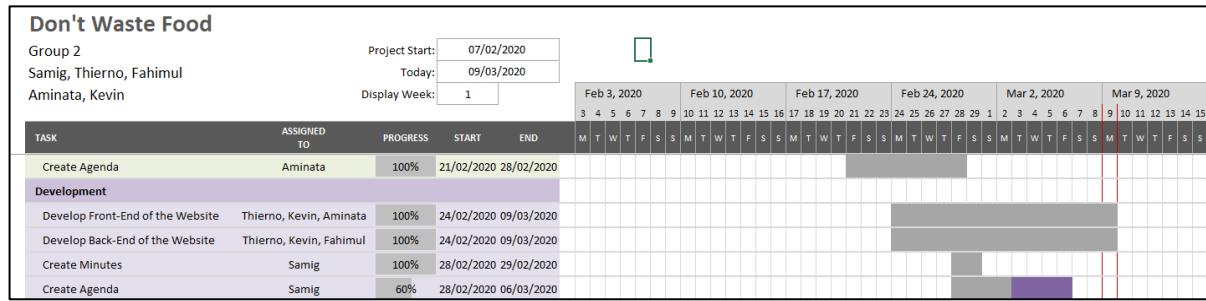


Figure 12.2.14

The figure above shows the Development task at target date 09/03/2020. As you can see the 'Create Agenda' task is still not complete with 60% progress it was eventually completed at 13/03/2020. However, the delay was due to coronavirus outbreak as some of our group members couldn't attend at all, so we couldn't create the agenda nor hold the meeting.

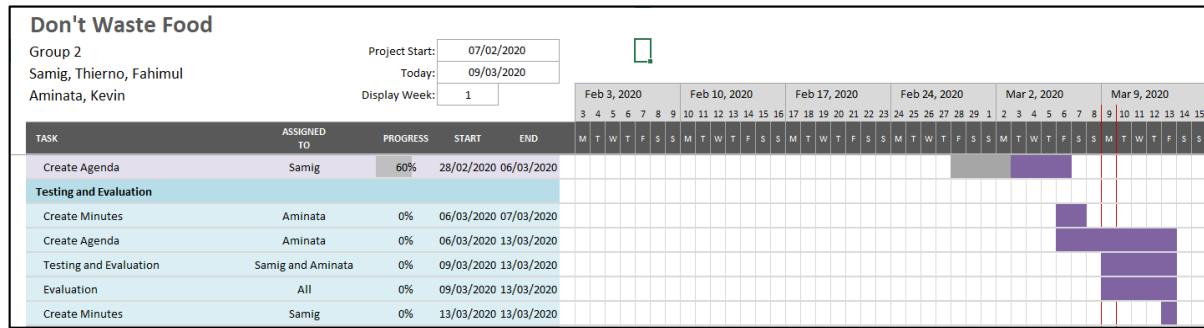


Figure 12.2.15

Due to the delay in Development tasks, we couldn't make any progress on Testing and Evaluation tasks. So, there was set to be a lot of delays to the rest of the tasks.

Gantt Chart 16/03/2020

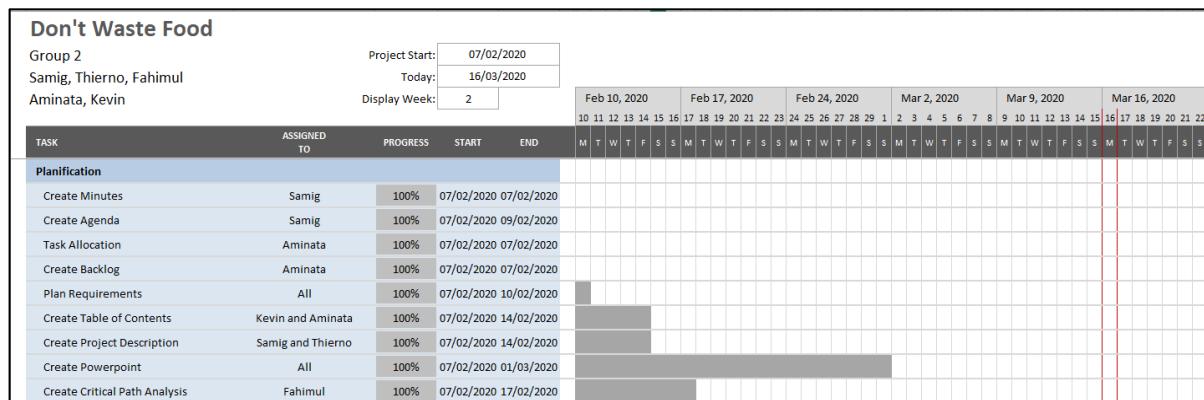


Figure 12.2.16

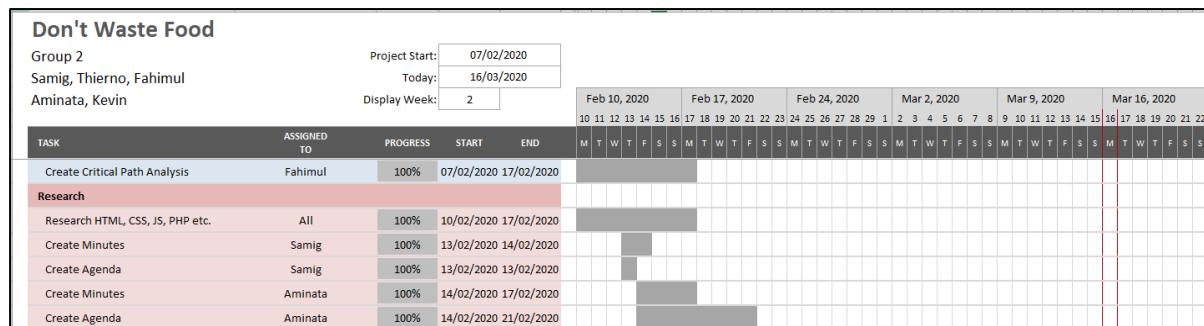


Figure 12.2.17

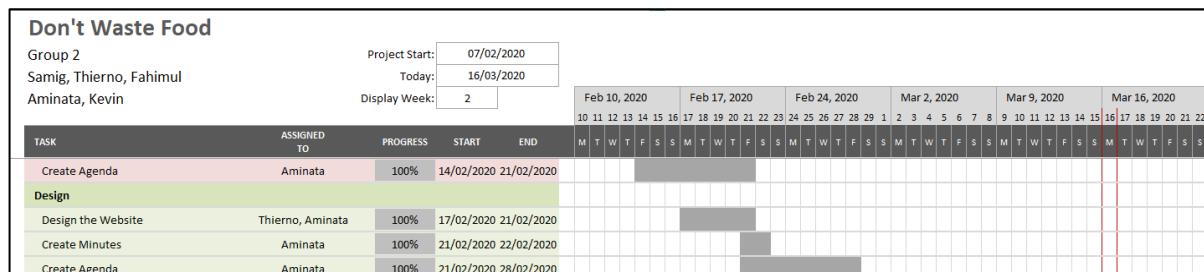


Figure 12.2.18

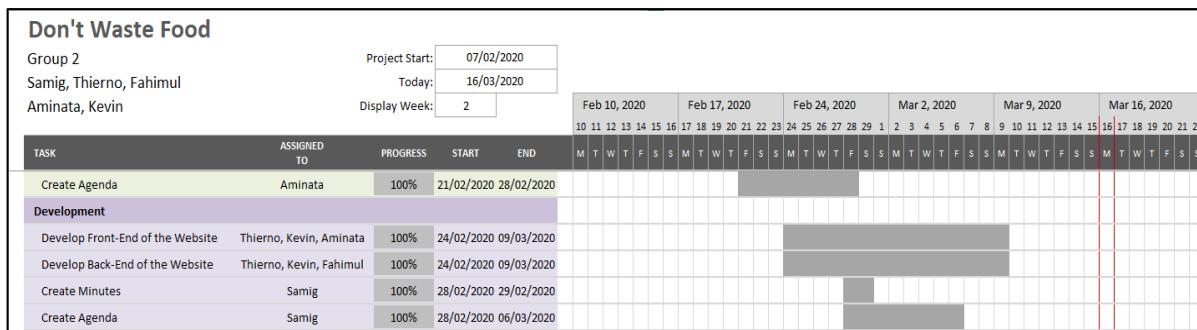


Figure 12.2.19

As you see this figure shows the Development task ‘Create Agenda’ has finally been completed on 13/03/20.

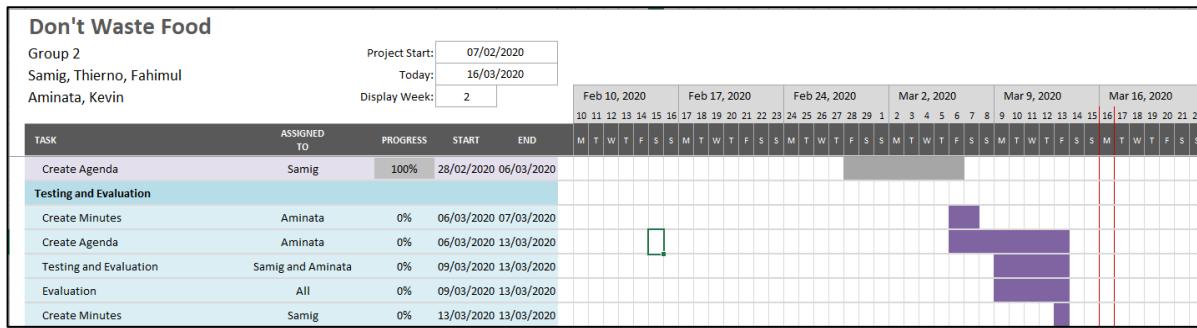


Figure 12.2.20

The testing task still is not completed and delayed. Further instructions were to be explained in the next meeting which was on 20/03/2020.

Gantt Chart 23/03/2020

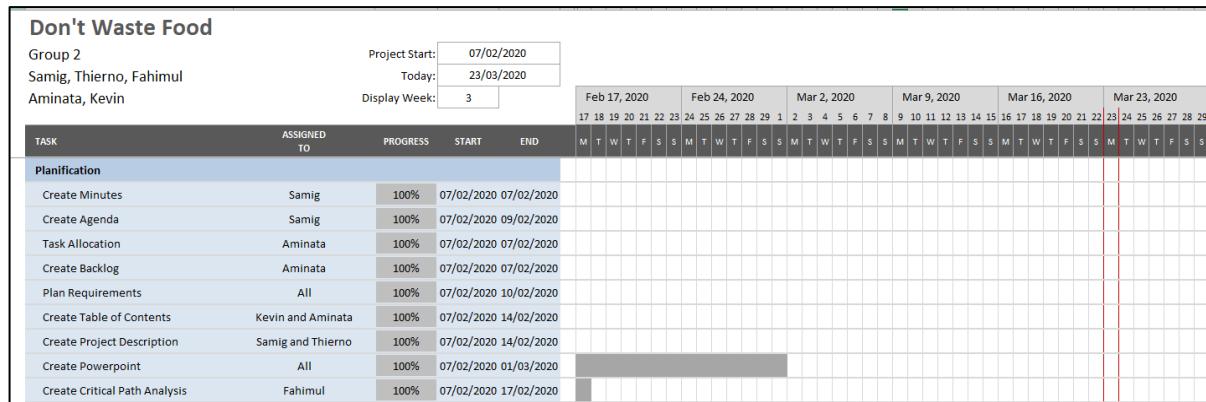


Figure 12.2.21

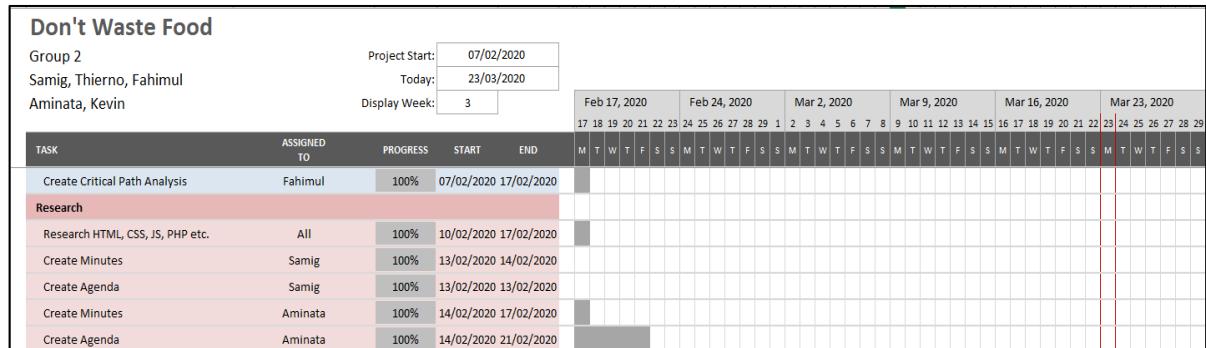


Figure 12.2.22

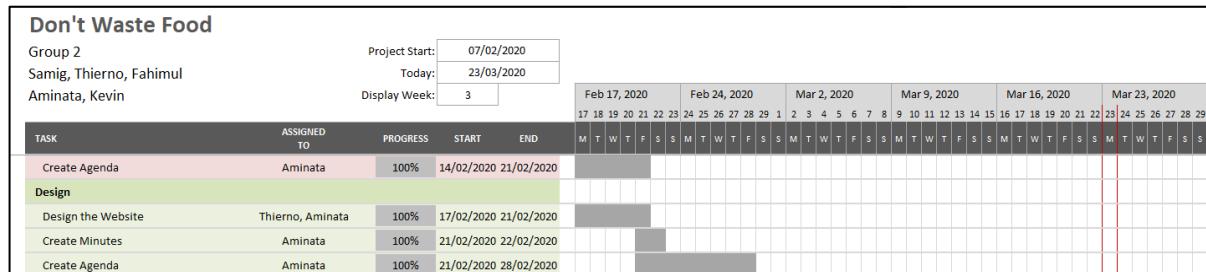


Figure 12.2.23

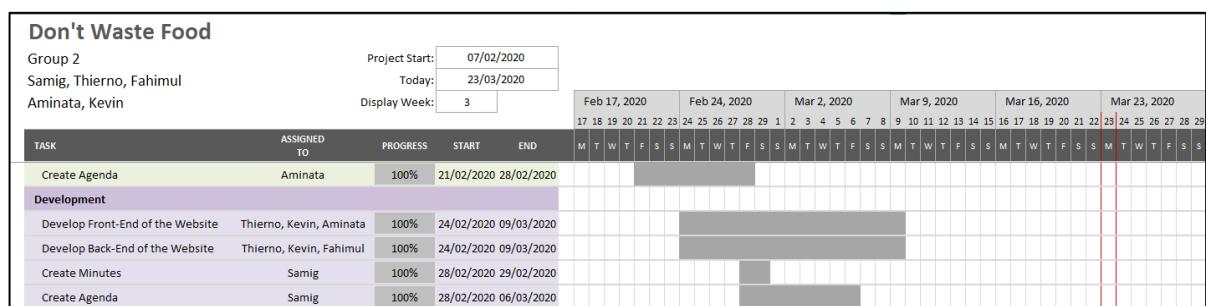


Figure 12.2.24

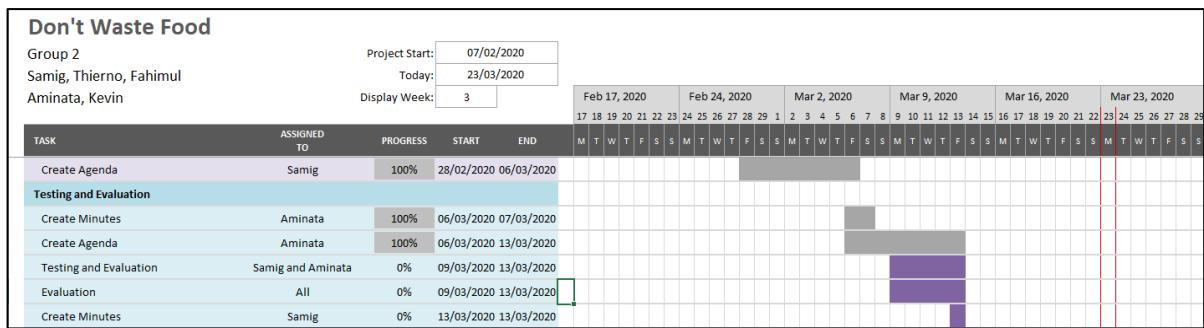


Figure 12.2.25

These figures show the Gantt Chart at target date 23rd March 2020. This was also the day the country went to lockdown which meant no more live meetings. The first two tasks of Testing and Evaluation, ‘Create Minutes’ and ‘Create Agenda’ were completed on 20/03/2020 and 21/03/2020 respectively. Of course, these tasks were delayed and there were not many alternatives but delaying the rest of the tasks, so we even pushed the task third task ‘Testing and Evaluation’ to further date of 8th April. So, we decide to update the Gantt Chart later of 20th April 2020 where most of the Testing and Evaluation task is completed within the delay.

Gantt Chart 20/04/2020

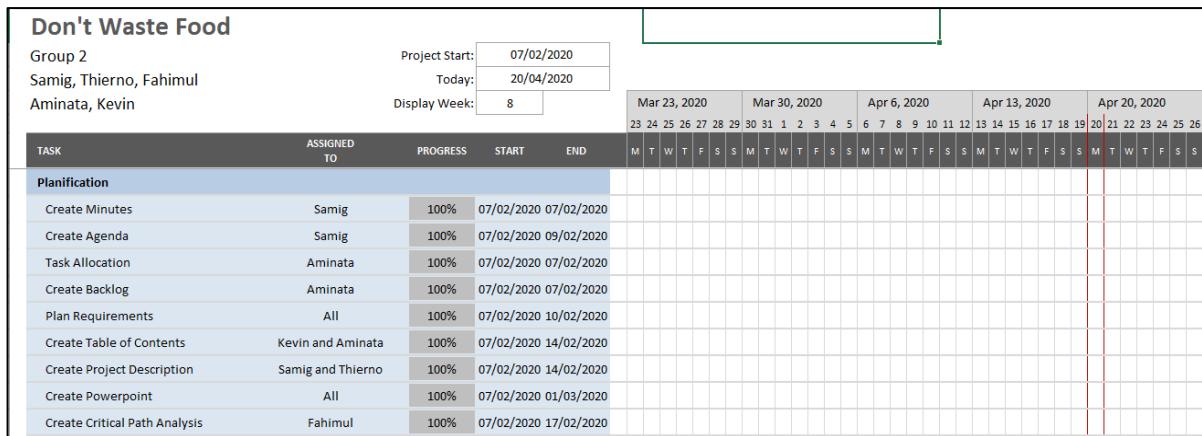


Figure 12.2.26

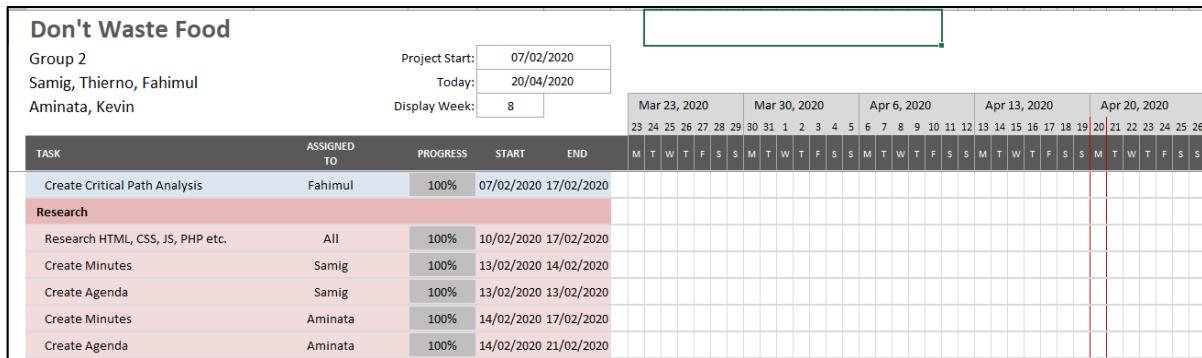


Figure 12.2.27

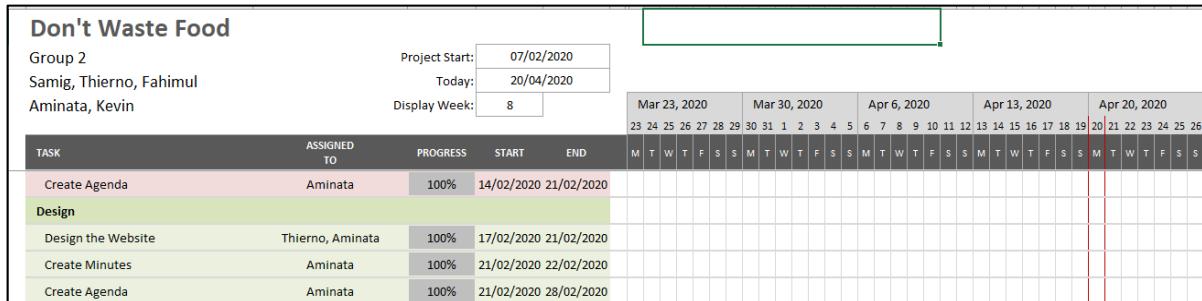


Figure 12.2.28

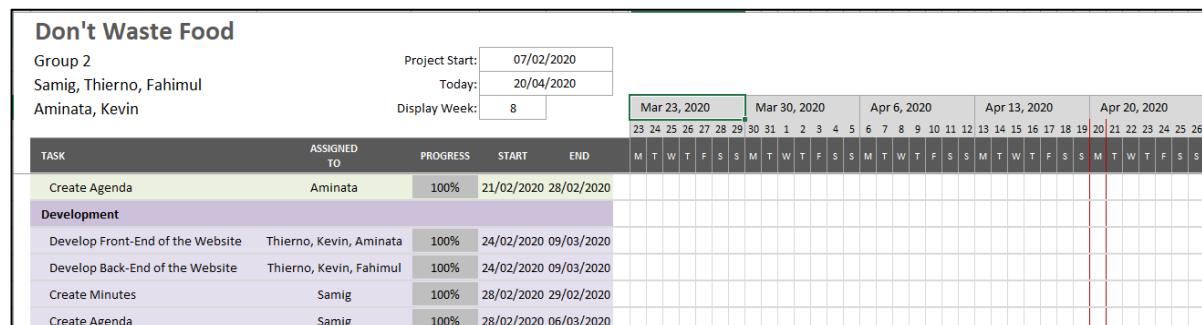


Figure 12.2.29

The bar charts are not showing for older tasks because we are on week 8 for 'Display Week'.

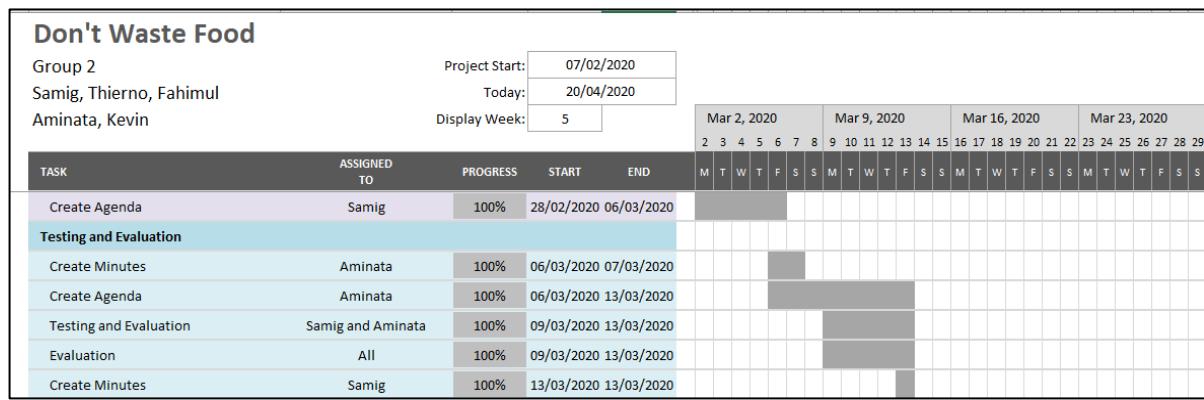


Figure 12.2.30

This figure is set on ‘Display Week’ 5, so the red vertical lines were not visible. Weeks 6, 7, 8+ could not display the bars for the Testing and Evaluation task. The third, fourth, fifth task was completed on 08/04/2020, 15/04/2020, 17/04/2020 respectively.

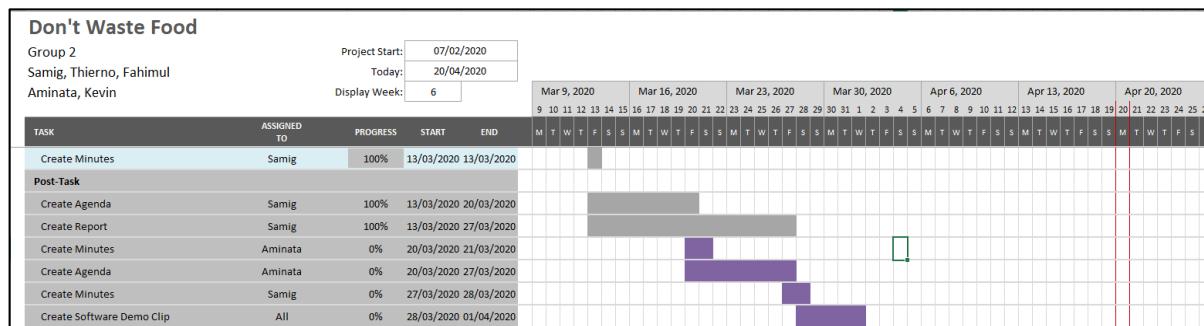


Figure 12.2.31

Given that 'Post-Task' tasks were delayed, the first two tasks were completed on 18/04/2020 and 19/04/2020.

Gantt Chart 27/04/2020

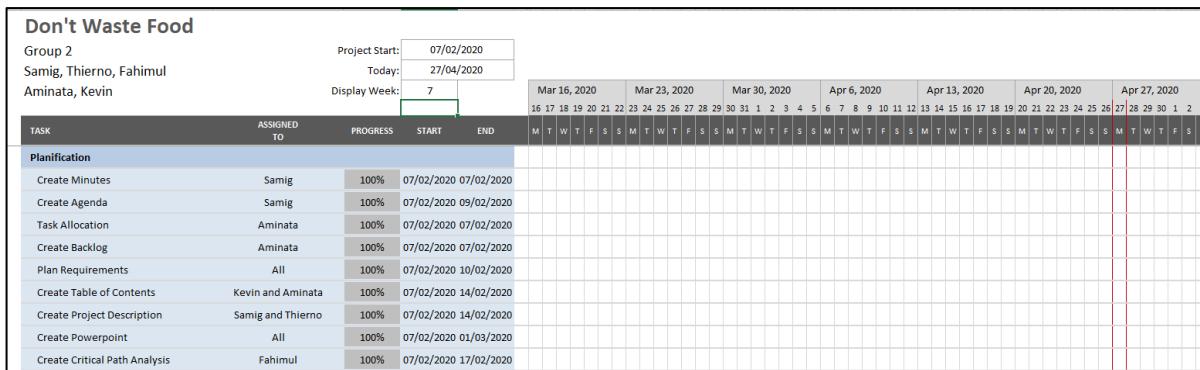


Figure 12.2.32

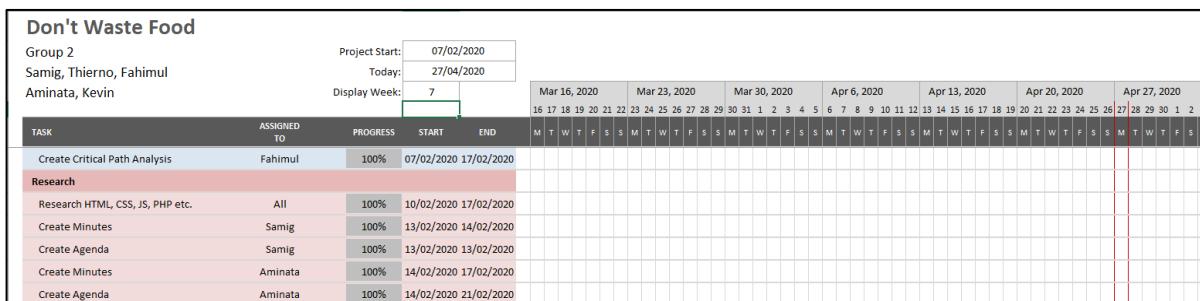


Figure 12.2.33

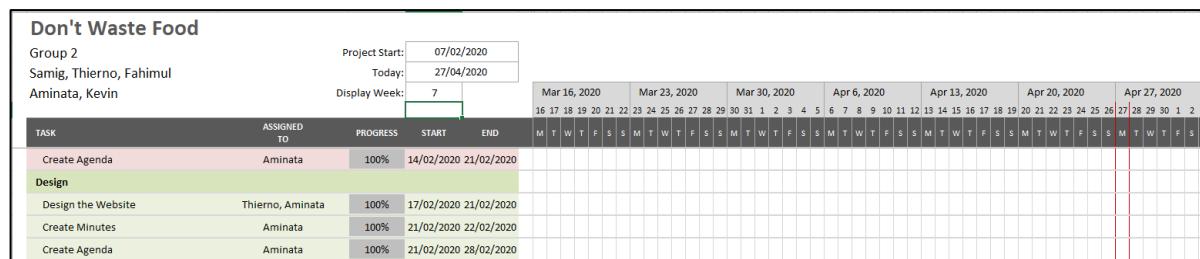


Figure 12.2.34

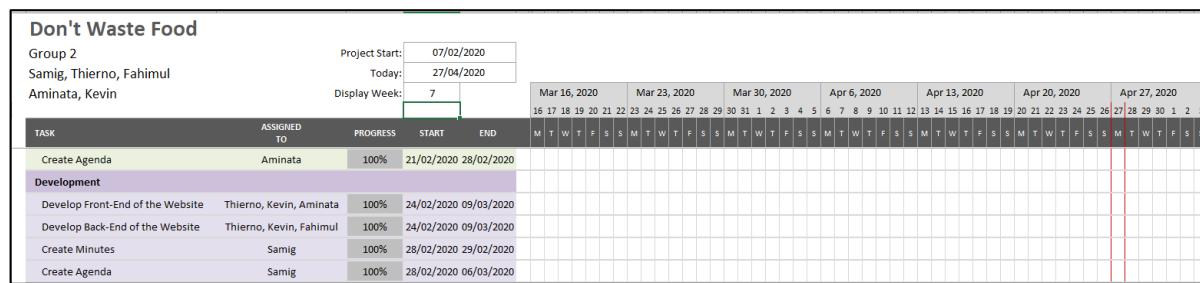


Figure 12.2.35

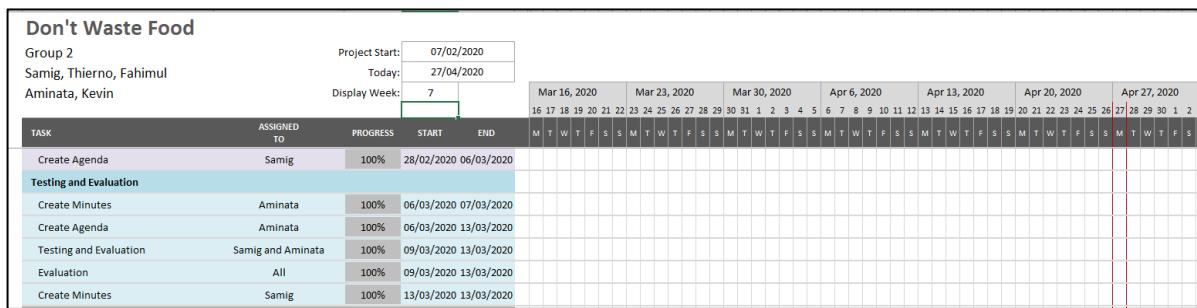


Figure 12.2.36

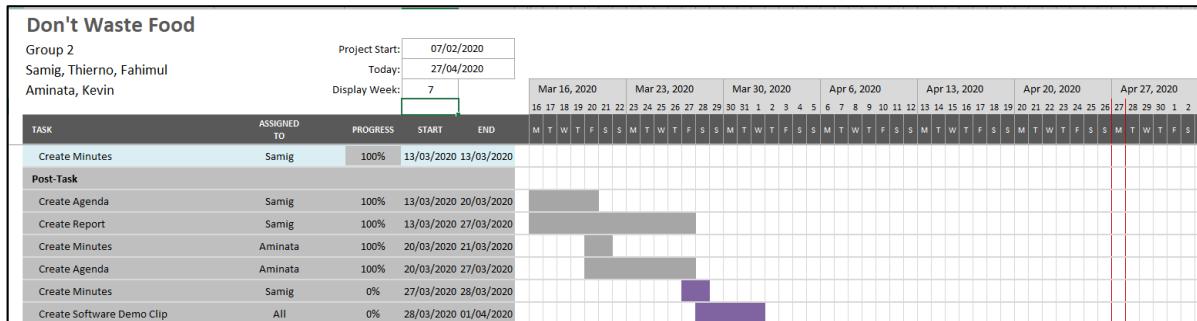


Figure 12.2.37

These figures above were from updated Gantt Chart 27/04/2020. Most of the 'Post-Task' task was completed. The third and fourth task was completed on 24/04/2020 and 25/04/2020. With only two more tasks to be completed the whole project is complete.

Gantt Chart 01/05/2020

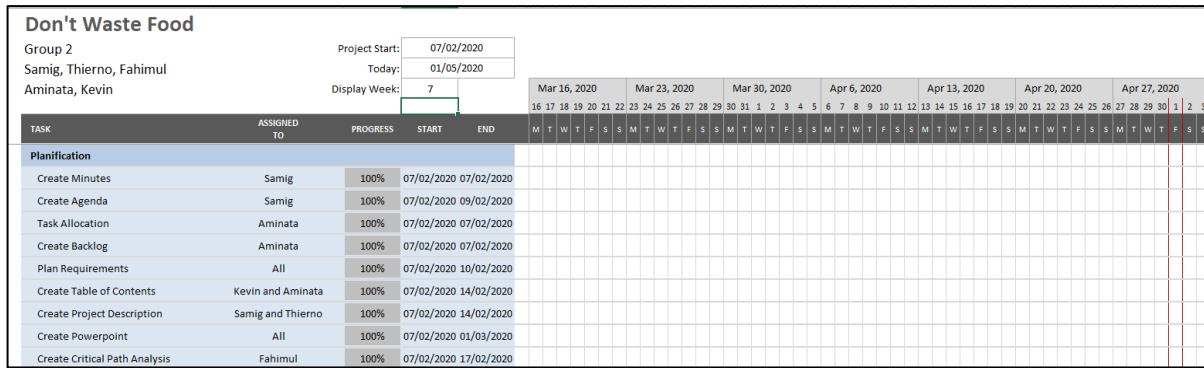


Figure 12.2.38

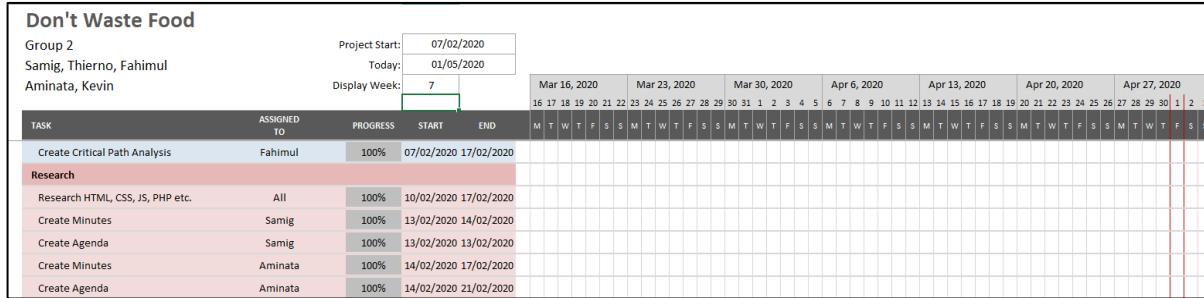


Figure 12.2.39



Figure 12.2.40

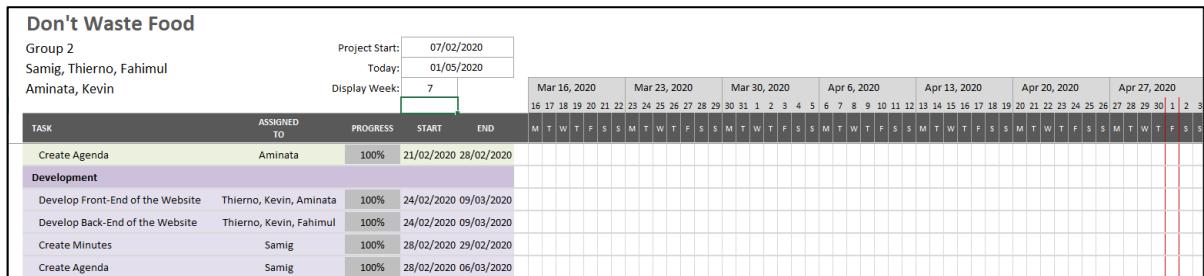


Figure 12.2.41

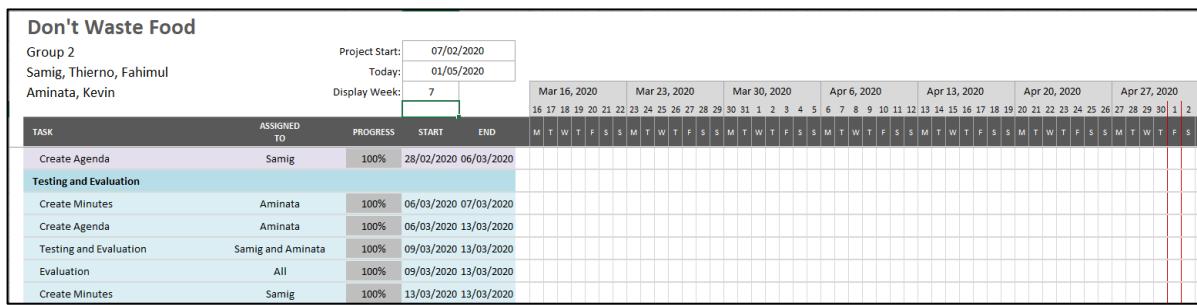


Figure 12.2.42

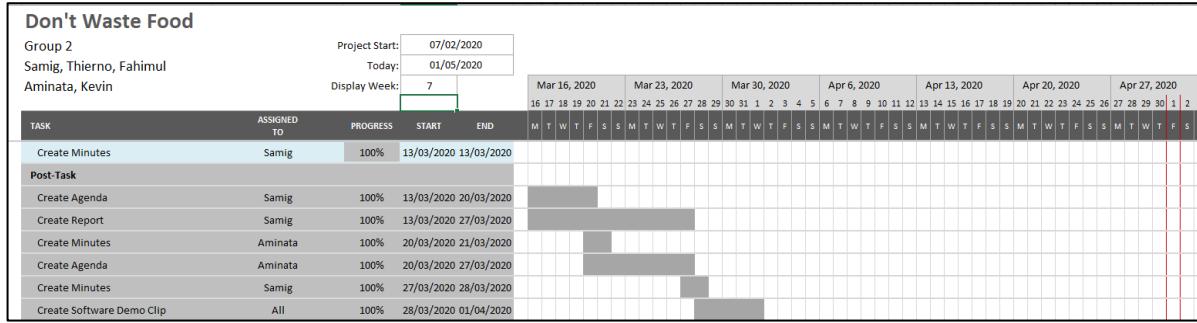


Figure 12.2.43

On 01/04/2020 all task was complete therefore the project was complete. The last two remaining tasks on ‘Post-Task’ were completed on 01/04/2020 as well. It was a shame that the project was delayed by almost a month from the Testing and Evaluation stage. However, we still managed to complete it

12.3 Meetings [Samig, Aminata]

Regular meetings are required to pull off a successful project. They can help keep the project up-to-date and solve problems that might hinder the project too. Before every meeting, we created an agenda to explain what will be discussed. Meetings were recorded in minutes which includes everything discussed in our meetings. We didn't create an agenda for our first meeting because we only just formed our group. All our agenda and minutes were uploaded in File Exchange for our group members to see. We also used WhatsApp to announce upcoming meetings.

12.3.1 Meeting 1 [Samig]

Minutes
Location: UWL Library Second Floor
Date: 07 th February 2020
Time: 13:00
Attendees: Samig, Thierno, Fahimul, Aminata, Kevin
Agenda Items: None
Action Items: All tasks have been allocated to specific members by Aminata. Each task has a given deadline that must be fulfilled. Project purpose and aim discussed. The project aims to tackle food wastage. Researched templates for the proposed solution.
Duration: 120 minutes.

12.3.2 Meeting 2 [Samig]

Agenda
Location: UWL Library Second Floor
Date: 13 th February 2020
Time: 10:00
Attendees: Samig, Thierno, Fahimul, Aminata, Kevin
Agenda Items: We will be discussing our progress so far, then looks for improvement and feedback. We will create a new task to complete and update our backlog.

Minutes
Location: UWL Library Second Floor
Date: 13 th February 2020
Time: 10:00
Attendees: Samig, Thierno, Fahimul, Aminata, Kevin
Agenda Items: We will be discussing our progress so far, then looks for improvement and feedback. We will create a new task to complete and update our backlog.
Action Items: Discussed requirement plan for the proposed solution. Supervised the progress for Gantt Chart. Project Description was written for the proposed solution.
Duration: 95 minutes.

12.3.3 Meeting 3 [Aminata]

Agenda
Location: UWL Library Second Floor
Date: 14 th February 2020
Time: 13:00
Attendees: Samig, Thierno, Fahimul, Aminata, Kevin
Agenda Items: We will continue our discussion on our research for database, HTML, CS, WS, PHP and CPA.

Minutes
Location: UWL Library Second Floor
Date: 14 th February 2020
Time: 13:00
Attendees: Samig, Thierno, Fahimul, Aminata, Kevin
Agenda Items: We will continue our discussion on our research for database, HTML, CS, WS, PHP and CPA.
Action Items: HTML, CS, WS, PHP and CPA discussed for our project. Shared links that will help with our research.
Duration: 115 minutes.

12.3.4 Meeting 4 [Aminata]

Agenda
Location: UWL Library Second Floor
Date: 21 st February 2020
Time: 13:00
Attendees: Samig, Thiero, Fahimul, Aminata, Kevin
Agenda Items: We will look at the design of our website and look at possible improvements. We will discuss how the database and login system will be developed.

Minutes
Location: UWL Library Second Floor
Date: 21 st February 2020
Time: 13:00
Attendees: Samig, Thiero, Fahimul, Aminata, Kevin
Agenda Items: We will look at the design of our website and look at possible improvements. We will discuss how the database and login system will be developed.
Action Items: The designs of the website presented and discussed. Improvements were discussed and implemented. Discussed how database and login system will be developed.
Duration: 100 minutes.

12.3.5 Meeting 5 [Samig]

Agenda
Location: UWL Library Second Floor
Date: 28 th February 2020
Time: 13:00
Attendees: Samig, Thierno, Fahimul, Aminata, Kevin
Agenda Items: We will look at the progress on the development of the website both front-end and back-end. We will discuss improvements to be made.

Minutes
Location: UWL Library Second Floor
Date: 28 th February 2020
Time: 13:00
Attendees: Samig, Thierno, Fahimul, Aminata, Kevin
Agenda Items: We will look at the progress on the development of the website both front-end and back-end. We will discuss improvements to be made.
Action Items: We looked at the front-end of the website. We looked at the back-end of the website using the admin panel. We discussed improvements on front-end of the website; can look more appealing to the user e.g. adding new relevant images and removing unnecessary links. We discussed improvements on the back-end of the website; making sure users can make secure payments and keep their account secure.
Duration: 105 minutes.

12.3.6 Meeting 6 [Samig]

Agenda
Location: Zoom [Group Video Call]
Date: 20 th March 2020
Time: 13:00
Attendees: Samig, Thierno, Fahimul, Aminata, Kevin
Agenda Items: We will discuss why some of our members haven't attended lectures and coronavirus situation. We will discuss how all the remaining tasks have all been delayed. We will discuss possible actions to take.

Minutes
Location: Zoom [Group Video Call]
Date: 20 th March 2020
Time: 13:00
Attendees: Samig, Thierno, Fahimul, Aminata, Kevin
Agenda Items: We will discuss why some of our members haven't attended lectures and coronavirus situation. We will discuss how all the remaining tasks have all been delayed. We will discuss possible actions to take.
Action Items: Coronavirus update and situation has been solved. We will be regularly taking meetings to Zoom. All task has been delayed. Discussed what we were up to during the gap. Testing our website will be carried out next as well as Evaluation.
Duration: 40 minutes.

12.3.7 Meeting 7 [Aminata]

Agenda
Location: Zoom [Group Video Call]
Date: 16 th April 2020
Time: 13:00
Attendees: Samig, Thierno, Fahimul, Aminata, Kevin
Agenda Items: We will be discussing our tests on the website so far. We will evaluate the website and look for further improvements

Minutes
Location: Zoom [Group Video Call]
Date: 16 th April 2020
Time: 13:00
Attendees: Samig, Thierno, Fahimul, Aminata, Kevin
Agenda Items: We will be discussing our tests on the website so far. We will evaluate the website and look for further improvements.
Action Items: We discussed the tests on the website e.g. broken links and incorrect details. There was double add to basket buttons which we fixed eventually. We evaluated the website and discussed further improvement. Like Wishlist, item comparison and brand page etc.
Duration: 60 minutes.

12.3.8 Meeting 8 [Aminata]

Agenda
Location: Zoom [Group Video Call]
Date: 24 th April 2020
Time: 13:00
Attendees: Samig, Thiero, Fahimul, Aminata, Kevin
Agenda Items: We will be discussing how to structure our report. Samig will show his progress on the report.

Minutes
Location: Zoom [Group Video Call]
Date: 24 th April 2020
Time: 13:00
Attendees: Samig, Thiero, Fahimul, Aminata, Kevin
Agenda Items: We will be discussing the structure of our report. Samig will show his progress on the report.
Action Items: Structure of the report defined. Samig showed his report progress and uploaded on File Exchange for everyone to see. Improvements were discussed.
Duration: 30 minutes.

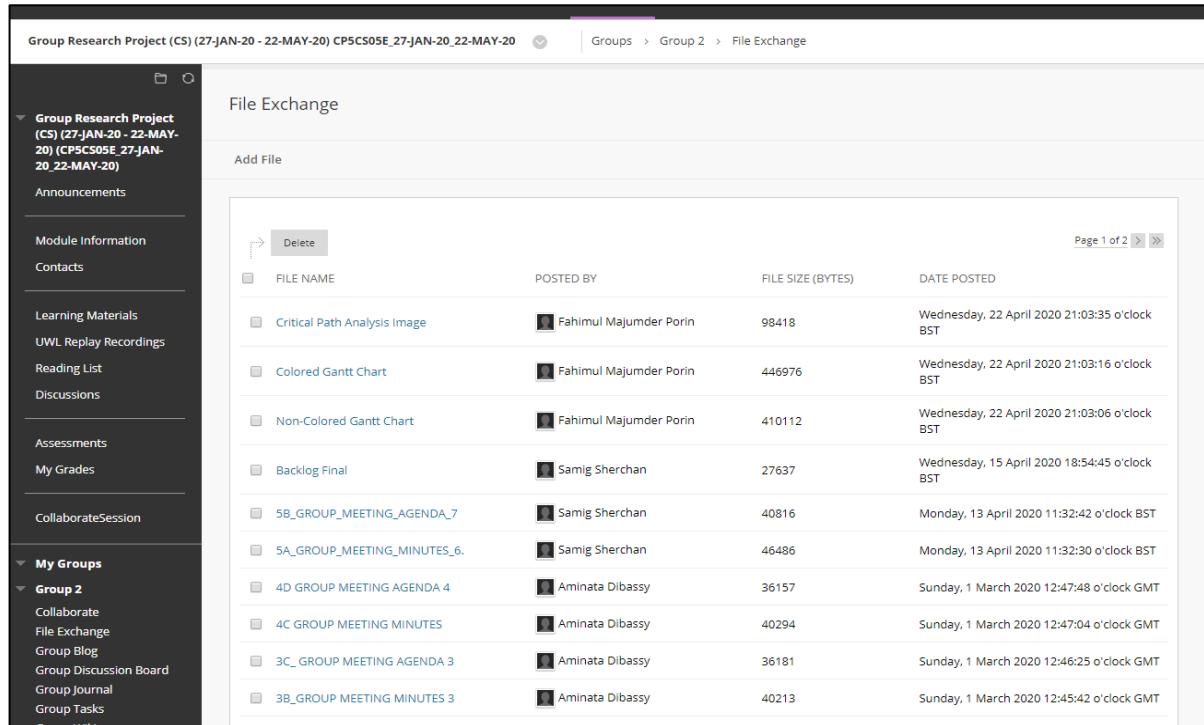
12.3.9 Meeting 9 [Samig]

Agenda
Location: Zoom [Group Video Call]
Date: 1 st May 2020
Time: 13:00
Attendees: Samig, Thiero, Fahimul, Aminata, Kevin
Agenda Items: We will get together to record a Software Demonstration. We will finish off the remaining task of Task 2 and get ready for Task 3.

Minutes
Location: Zoom [Group Video Call]
Date: 1 st May 2020
Time: 13:00
Attendees: Samig, Thiero, Fahimul, Aminata, Kevin
Agenda Items: We will get together to record a Software Demonstration. We will finish off the remaining task of Task 2 and get ready for Task 3.
Action Items: Software Demonstration Recorded. All task has been completed.
Duration: 65 minutes.

12.4 Collaboration

The collaboration was important, and it helped us verify all tasks were correctly completed. Since most group meetings were only held once a week; we had to collaborate online in the rest of the week.



The screenshot shows the Blackboard interface for the 'File Exchange' section of the 'Group Research Project (CS)' group. The left sidebar contains navigation links for announcements, module information, learning materials, assessments, and my groups. The main content area displays a table of uploaded files, with a total of 10 files listed across two pages. The columns in the table are FILE NAME, POSTED BY, FILE SIZE (BYTES), and DATE POSTED. The files include various documents and charts such as 'Critical Path Analysis Image', 'Colored Gantt Chart', 'Non-Colored Gantt Chart', 'Backlog Final', and several meeting agendas and minutes from groups 5A, 4D, 4C, 3C, and 3B.

FILE NAME	POSTED BY	FILE SIZE (BYTES)	DATE POSTED
Critical Path Analysis Image	Fahimul Majumder Porin	98418	Wednesday, 22 April 2020 21:03:35 o'clock BST
Colored Gantt Chart	Fahimul Majumder Porin	446976	Wednesday, 22 April 2020 21:03:16 o'clock BST
Non-Colored Gantt Chart	Fahimul Majumder Porin	410112	Wednesday, 22 April 2020 21:03:06 o'clock BST
Backlog Final	Samig Sherchan	27637	Wednesday, 15 April 2020 18:54:45 o'clock BST
5B_GROUP_MEETING_AGENDA_7	Samig Sherchan	40816	Monday, 13 April 2020 11:32:42 o'clock BST
5A_GROUP_MEETING_MINUTES_6.	Samig Sherchan	46486	Monday, 13 April 2020 11:32:30 o'clock BST
4D GROUP MEETING AGENDA 4	Aminata Dibassy	36157	Sunday, 1 March 2020 12:47:48 o'clock GMT
4C GROUP MEETING MINUTES	Aminata Dibassy	40294	Sunday, 1 March 2020 12:47:04 o'clock GMT
3C_GROUP_MEETING_AGENDA_3	Aminata Dibassy	36181	Sunday, 1 March 2020 12:46:25 o'clock GMT
3B_GROUP_MEETING_MINUTES_3	Aminata Dibassy	40213	Sunday, 1 March 2020 12:45:42 o'clock GMT

Figure 12.4.1

We used *File Exchange* on Blackboard to upload our files and look at it from home. If there any problems with the task, then we would exchange announcement on our personal WhatsApp group. The task would then be reuploaded by the assigned member or another group member. We opted to keep the old file along with the new file in case it gets corrupt or produces another problem.

Moreover, we were planning to use OneDrive with a sharing folder which would prevent us the repetition of downloading the file and reuploading it. It would've allowed us to make changes online. However, UWL had a lot of technical difficulties during the project which would give us no access to OneDrive. Therefore, we decided to stick with File Exchange.

As for the website we didn't require GitHub to share our code. WordPress allowed us to make changes online with its dashboard. Each of our group members created an admin account and made changes when necessary.

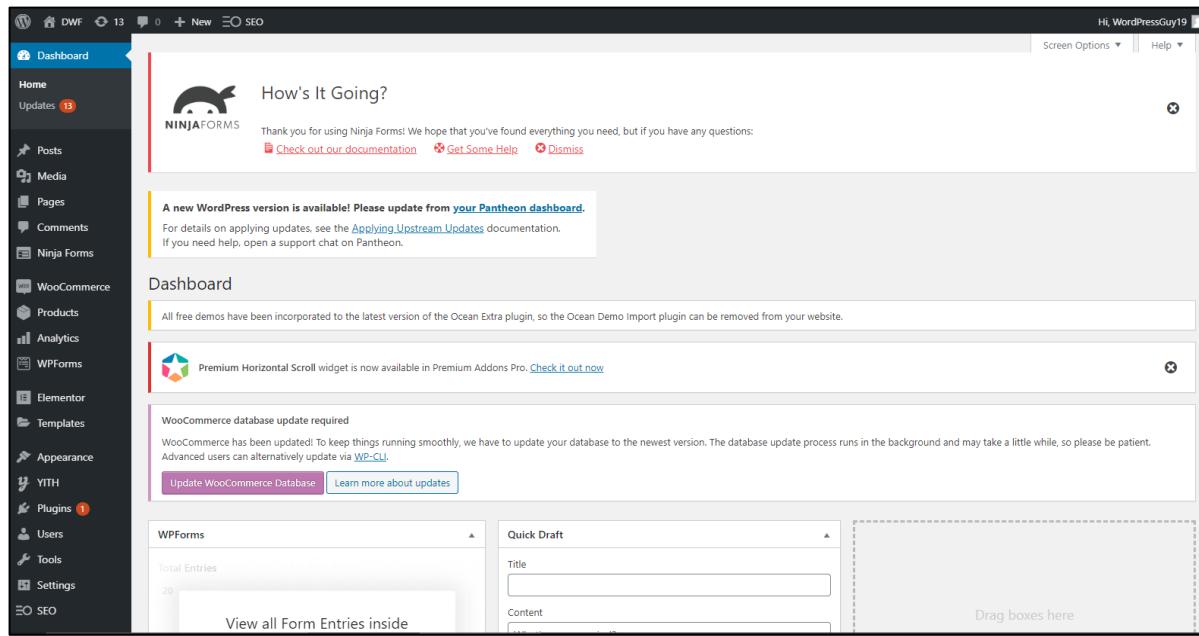


Figure 12.4.2

This figure portrays the WordPress admin dashboard which had tools on the left. We could add plugins or make changes to our pages. It also allowed us to store images that we were to use. If a group member were to make changes to a page, WordPress would automatically make that a draft version without affecting the real page. This helped us prevent any mistakes and we could easily revert to the original.

Additionally, as stated on the backlog we had to take our meetings online to Zoom due to coronavirus pandemic. We were advised to stay at home during the lockdown by the government. Live meetings were out of question, but we had to continue our work and meeting. The only option was Zoom which was free and provided us with a premium account to help us with coronavirus situation. Our online meetings duration was shorter than our live meetings due to the different atmosphere.

12.5 User Manual [Aminata]

DWF

Website User Guide

DWF

April 2020

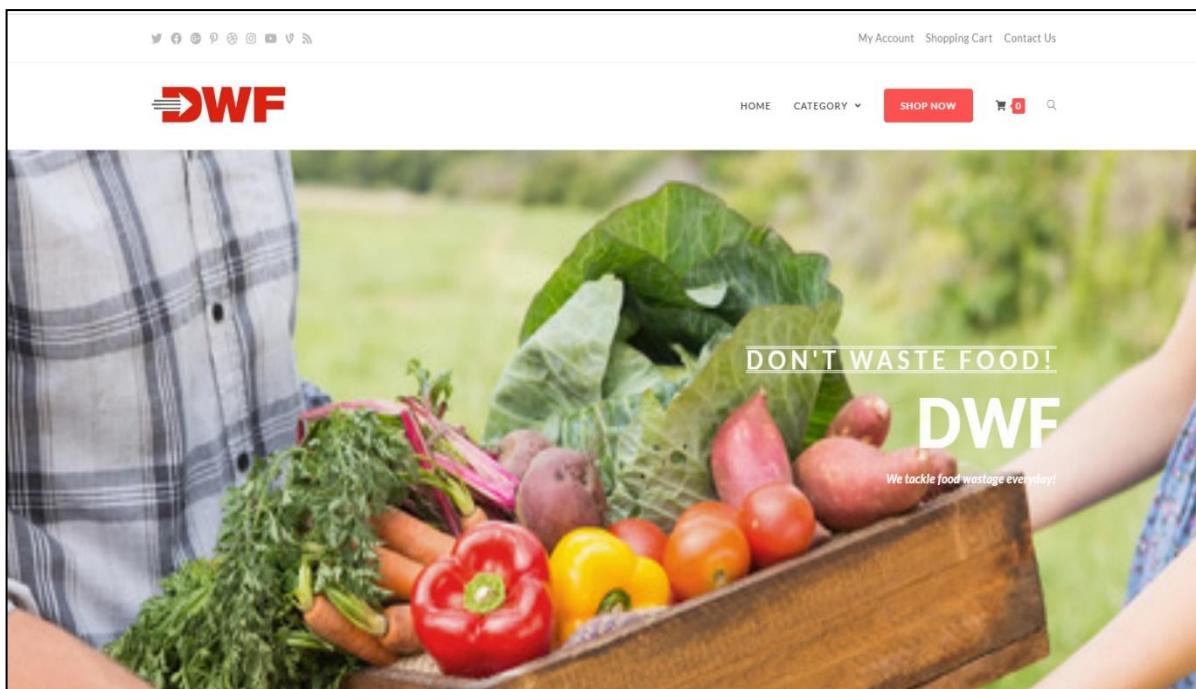


Figure 12.5.1

SITEMAP

The site map is a list of pages on a website. Site maps are used during the planning of a website by its designers and those who manage the marketing of the site. Human-visible listings, typically hierarchical, of the pages on a site. Structured listings intended for web crawlers such as search engines.

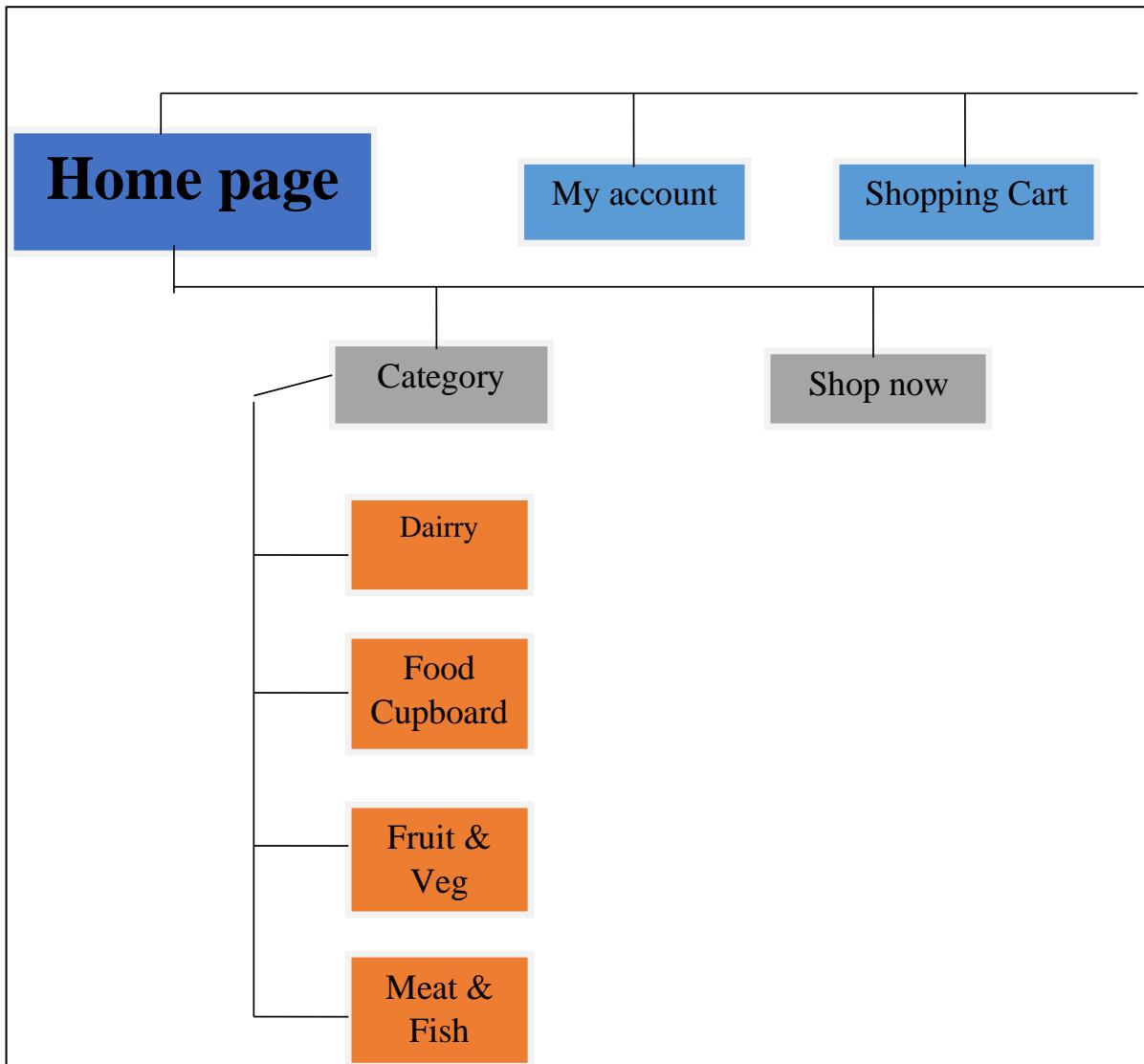


Figure 12.5.2

CALL TO ACTION

A call to action (CTA) is a prompt on a website that tells the user to take some specified action. A call to action is typically written as a command, such as 'Sign Up' or 'Shops Now' and generally takes the form of a button or hyperlink.

Marketing Messages

A campaign can be only as successful as the marketing message it delivers.

A clear, consistent, and [empathetic message](#) may just be the difference between major success and utter failure.



Figure 12.5.3

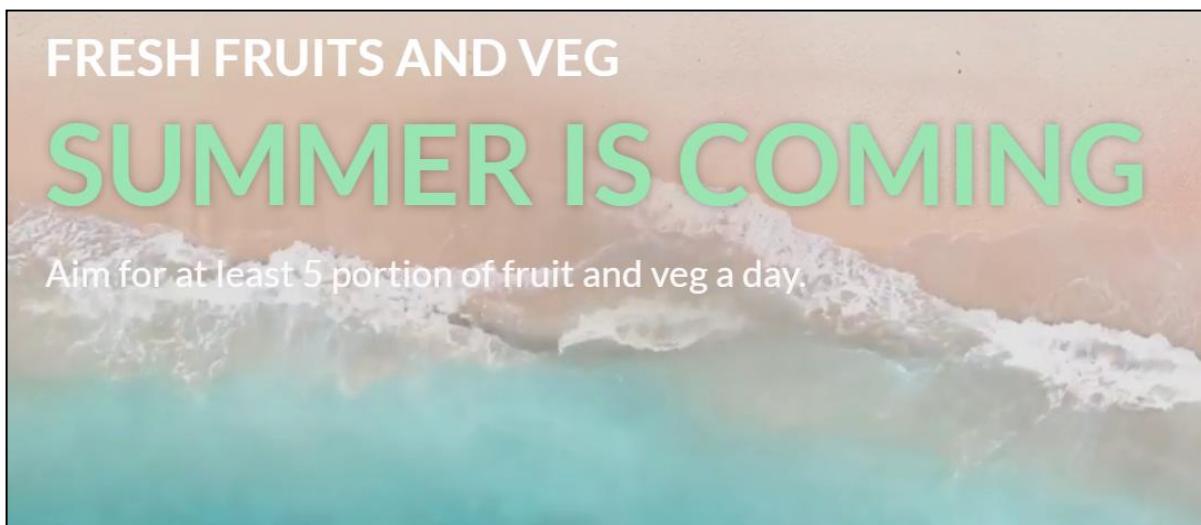


Figure 12.5.4

My account → REGISTER

Customers can register for an account with DWF for quick and easy online tracking. To enroll, they will need an email address and will be asked to create a password

The screenshot shows a registration form titled "Login OR Register". It includes fields for "Email address" and "Password", both with red asterisks indicating required fields. Below the fields is a privacy policy statement: "Your personal data will be used to support your experience throughout this website, to manage access to your account, and for other purposes described in our [privacy policy](#)". At the bottom is a blue "REGISTER" button.

Figure 12.5.5

My account → LOGIN

DWF offers a Login portal. This was set up to allow users to access their information. in one location behind a password-protected portal.

The screenshot shows a login form titled "Login OR Register". It includes fields for "Username or email address" and "Password", both with red asterisks. Below the fields are "Remember me" and "LOG IN" buttons, and a link for "Lost your password?".

Figure 12.5.6

Add to basket

The call to action 'Add to basket' allows the user to take quick action. As the item selected goes directly to the cart.

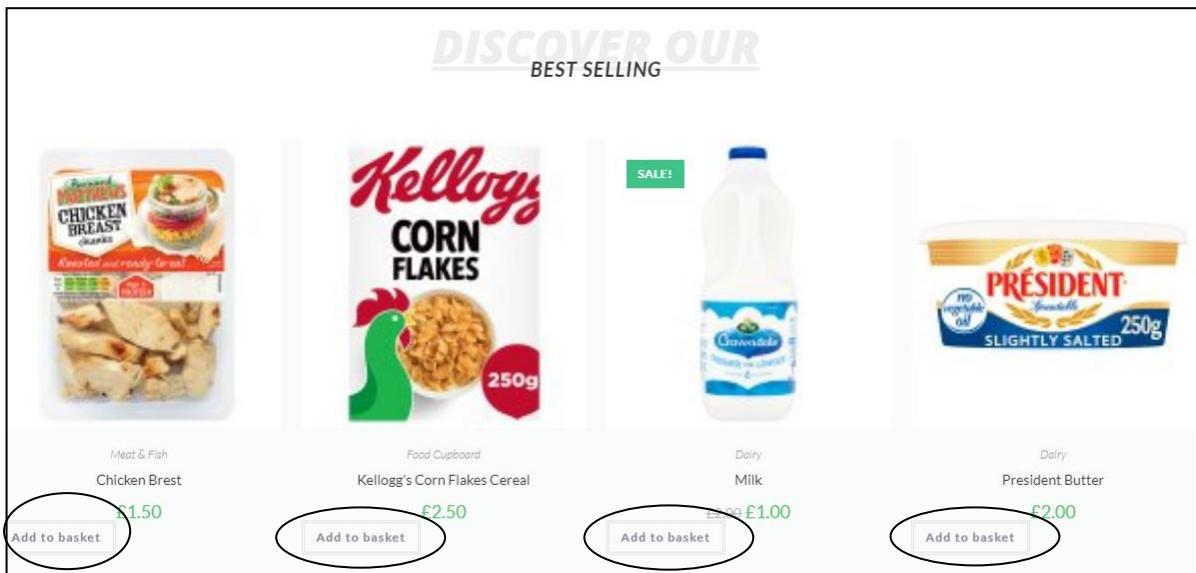


Figure 12.5.7

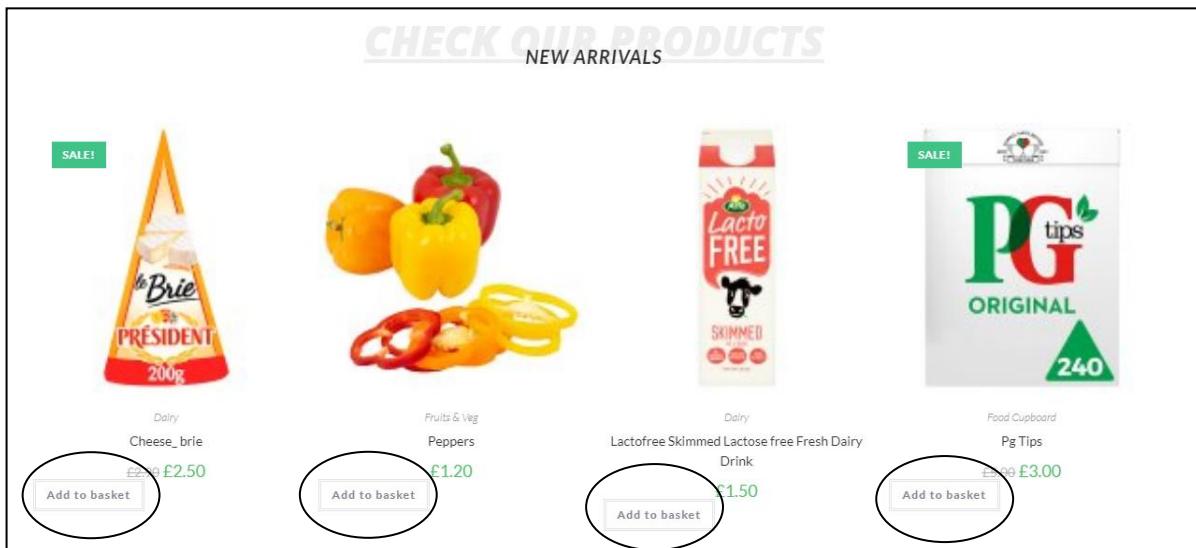


Figure 12.5.8

Category

It allows the user to access the list of all products.

The products are organized into four categories, dairies, food cupboard, fruits & veg and meat & fish.

The screenshot shows the DWF website's 'Products' page. At the top, there are navigation links: HOME, CATEGORY ▾, SHOP NOW, a shopping cart icon with '2', and a search icon. Below the navigation is a dark header bar with 'Products' and a back arrow. On the left, there's a sidebar with 'FILTER BY PRICE' (a slider from £0 - £10), 'FOLLOW US' (social media icons), and 'PRODUCT CATEGORIES' (radio buttons for Dairy, Food Cupboard, Fruits & Veg, and Meat & Fish). The main content area displays three products: an apple labeled 'SALE!', a brie cheese labeled 'Dairy', and a chicken breast labeled 'Meat & Fish'. Each product has its name, category, price, and an 'Add to basket' button. The bottom right corner of the page shows 'VIEW: 12 / 24 / ALL'.

Figure 12.5.9

Users can also access those categories directly from the Homepage.

The screenshot shows the DWF website's homepage. It features a large background image of fresh produce. At the top, there are navigation links: HOME, CATEGORY ▾, SHOP NOW, a shopping cart icon with '2', and a search icon. A prominent 'DON'T WASTE FOOD' banner is displayed across the middle. A dropdown menu is open over the banner, listing the four product categories: Dairy, Food Cupboard, Fruits & Veg, and Meat & Fish. The 'Food Cupboard' option is highlighted with a black circle.

Figure 12.5.10

Shop Now

Shop now is another call to action button which is linked to the product list page. Again, it gives a kind of flexibility to the customers to navigate through the entire website.

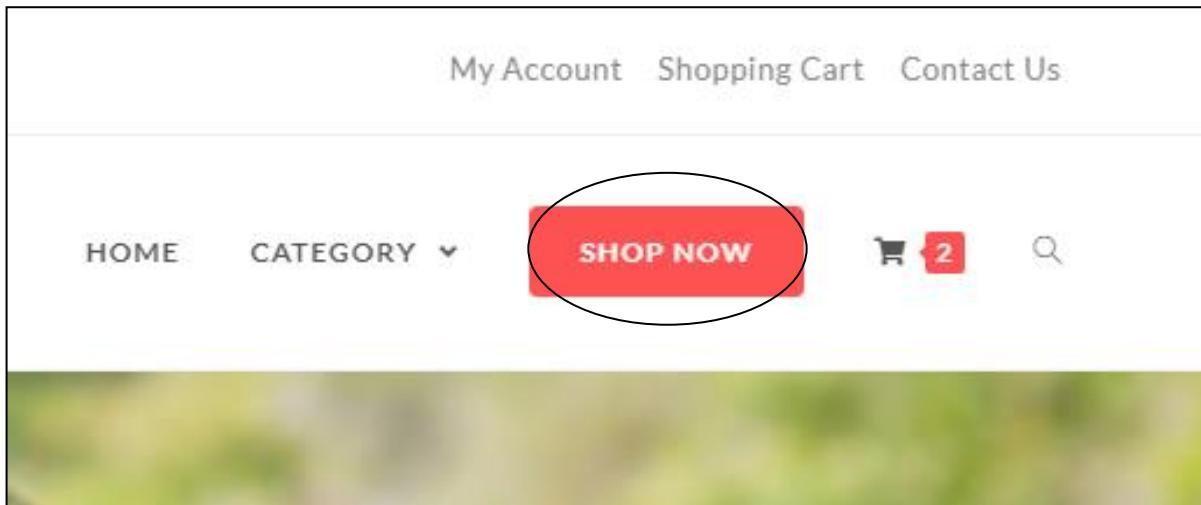


Figure 12.5.11

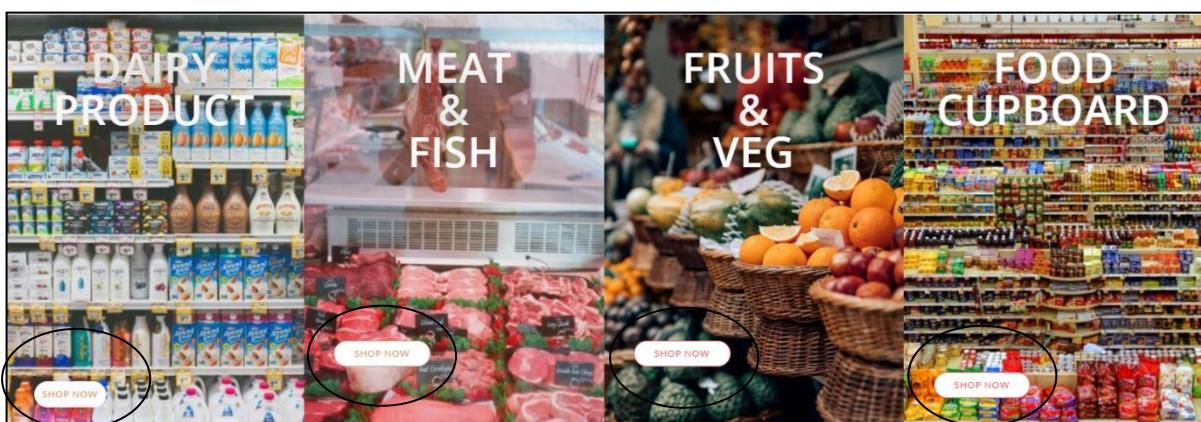


Figure 12.5.12

Shopping Cart

Users can access their shopping cart from two locations. And then have an overview of the items they selected and the total amount of their purchase.

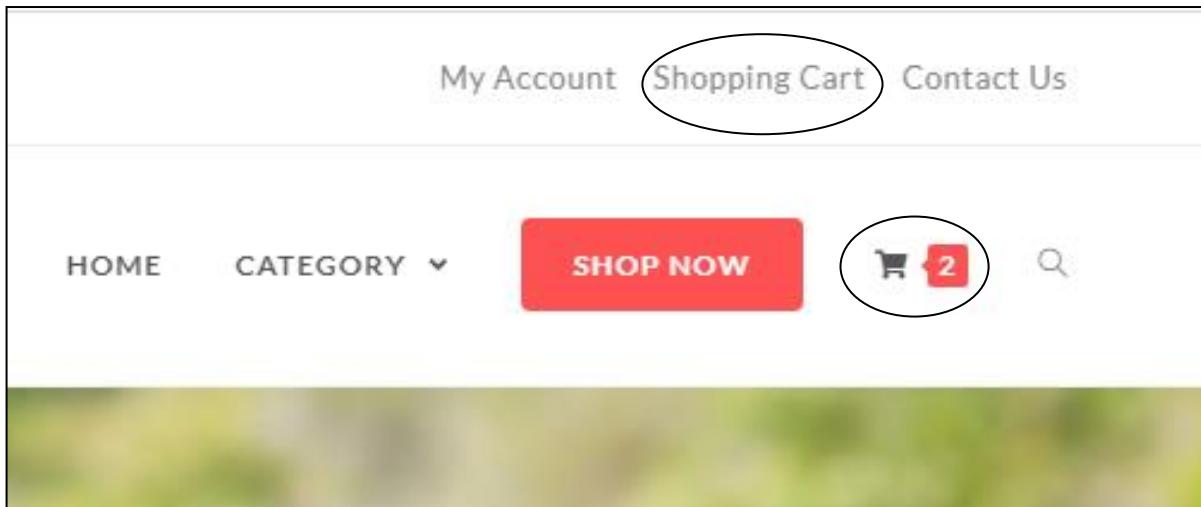


Figure 12.5.13

Checkout - Bill Payment

Before processing to the checkout, users can apply a coupon code if they hold one.

STEP 1: Proceed to checkout

PRODUCT	PRICE	QUANTITY	SUBTOTAL
Apple	£1.00	- 1 +	£1.00
Cheese_Brie	£2.50	- 1 +	£2.50

Coupon code APPLY COUPON UPDATE BASKET

You may be interested in...

Basket totals

Subtotal	£3.50
Total	£3.50

PROCEED TO CHECKOUT

Figure 12.5.14

STEP 2: Delivery Information and Payment

Allows users to complete the form below to pay their DWF bill through a secure online payment gateway.

They can either use a direct bank transfer or PayPal.

Once payment has been submitted, the user will get an email receipt of the transaction to keep for their records.

Checkout [Home > Checkout](#)

RETURNING CUSTOMER? [CLICK HERE TO LOGIN](#)

HAVE A COUPON? [CLICK HERE TO ENTER YOUR CODE](#)

BILLING DETAILS		YOUR ORDER	
PRODUCT	SUBTOTAL	PRODUCT	SUBTOTAL
Apple ×1	£1.00	Apple ×1	£1.00
Cheese_Brie ×1	£2.50	Cheese_Brie ×1	£2.50
Subtotal	£3.50	Subtotal	£3.50
Total	£3.50	Total	£3.50

Direct bank transfer

Make your payment directly into our bank account. Please use your Order ID as the payment reference. Your order will not be shipped until the funds have cleared in our account.

PayPal [What is PayPal?](#)

Your personal data will be used to process your order, support your experience throughout this website, and for other purposes described in our [privacy policy](#).

PLACE ORDER

ADDITIONAL INFORMATION

Order notes (optional)

Notes about your order, e.g. special notes for delivery.

Figure 12.5.15

Site search

Site search is an activity performed on a website and not on search engines. Site search is done through internal search engines.

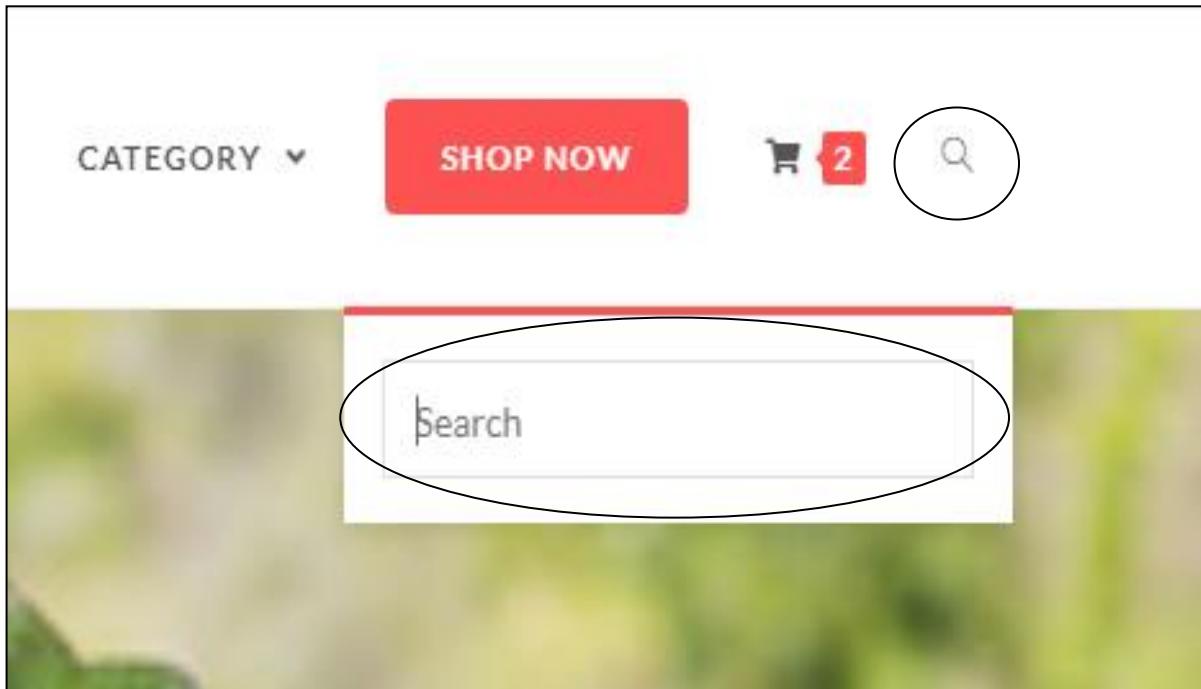


Figure 12.5.16

Contact Us

The Contact Us form was created for any website user to communicate questions directly to DWF.

Once the form submitted, a notice goes out to dedicated email address notifying them of a new Contact Us form submission.

Contact US

Name *

First

Last

Email *

Comment or Message *

SUBMIT

Figure 12.5.17

Footer Links

Throughout DWF's website, there are internal and external links. The links shown below are kept in the footer and displayed on each page. They include links to DWF's blog articles and social media accounts. Additional links in the footer stay within the site.

The screenshot shows a dark-themed footer section with the following layout:

- CONTACT INFO**: Includes address (London 309 Ealing), phone (02621-254-2147), and email (student@support.uwl.ac.uk).
- RECENT POSTS**:
 - Cheese_brie (20 APRIL 2020 / 0 COMMENTS) - thumbnail: cheese
 - Peppers (3 MARCH 2020 / 0 COMMENTS) - thumbnail: bell peppers
 - Lactofree Skimmed Lactose free Fresh Dairy Drink (3 MARCH 2020 / 0 COMMENTS) - thumbnail: milk carton
 - Pg Tips (8 APRIL 2016 / 1 COMMENT) - thumbnail: PG tips tea bag
- STORE**: Categories: Dairy, Food Cupboard, Fruits & Veg, Meat & Fish.
- TAGS**: Categories: BREAKFAST, BUTTER, CEREAL, FRUITS, MEAT, MILK, PEPPERS, SNACKKS.
- FOLLOW US**: Icons for Twitter, Facebook, Instagram, LinkedIn, and Pinterest.

At the bottom of the footer:

- © Copyright - DWP 2020
- About Us | Contact Us | Terms & Conditions | Privacy Policy

Figure 12.5.18

12.6 Features to Implement in the Future

There is always room for improvement, and methods to make the user experience better while using the website. A lot of features were produced most of them met the case study requirements. However, we also thought of some more that we could implement in the future.

Item Comparison

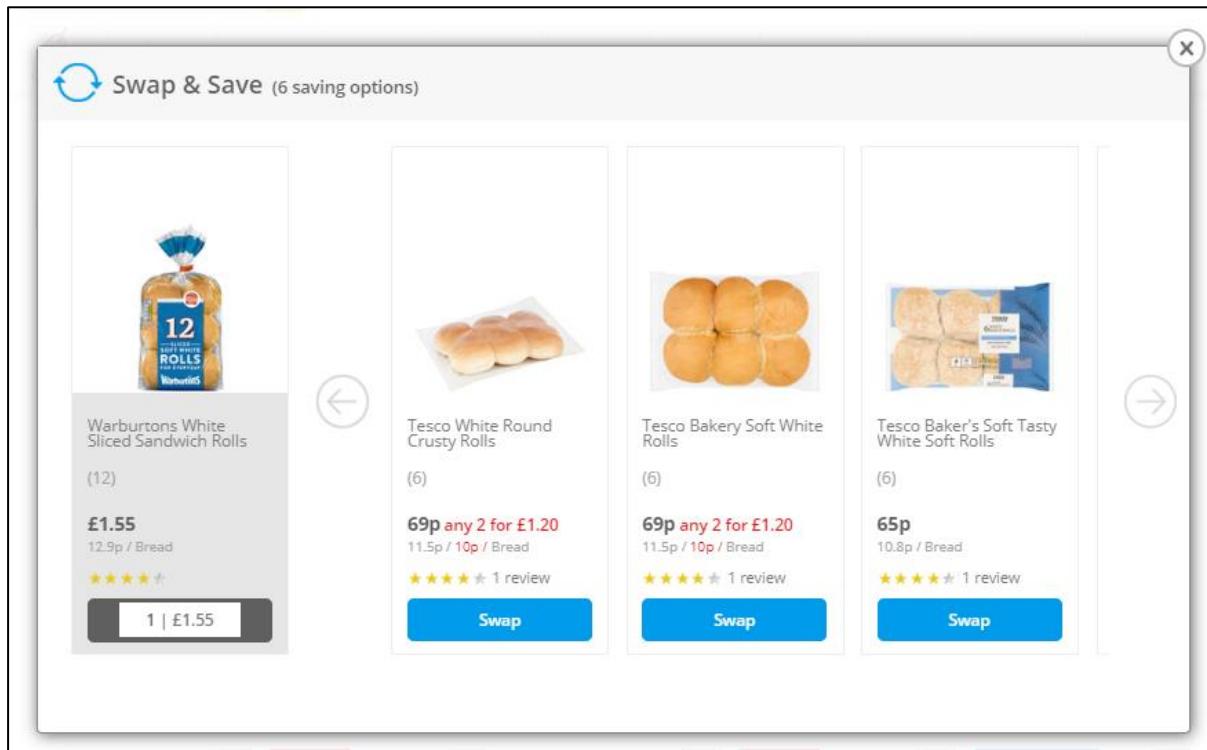


Figure 12.6.1

This feature would be great if the user is looking to save money and get the best value for a product. It will compare the selected item with alternatives, it will compare the price and quantity. This could also help with the unpopular product being sold, as the cheap product is often overlooked with famous branded product.

Brand Page

Figure 12.6.2

The brand page will be great to show all products from the same brand. Some customers may only like products from a brand and having a page full of product with the same brand might pique their interest. For example, a brand like Nestlé have products covering chocolates, coffee, breakfast cereal and much more.

Special Offer Page

Figure 12.6.3

We can also have a 'Special Offer' page which will display products are put on special offer. This will attract the user's attention convincing them to buy the products. Great for the customer if they have a low budget and saves time browsing through the products.

Referral Programme

The screenshot shows the Pet-Supermarket Referral Programme interface. At the top left is the Pet-Supermarket logo, which includes a red silhouette of a dog and the text "Pet-Supermarket". Below the logo, the heading "How it works" is displayed. To the right of the heading is a photograph of a white dog being petted by a person's hand. To the left of the heading is a list of instructions:

- Introduce Pet-Supermarket to your friends.
- Refer a friend and they'll get 10% off their first order over £39 with Pet-Supermarket.
- To say thanks, we'll give you £5 off your next order for each friend who purchases for the first time.

On the left side of the interface, there is a section titled "No successful referrals yet" with two statistics:

Invites sent	0
Clicks on invites	0

On the right side, there is a section titled "TELL THEM IN PERSON" with a "LET ME SHARE USING MY NAME" button. Below this are four sharing options: "SHARE BY EMAIL", "BY FACEBOOK", "BY MESSENGER", and "SHARE A LINK", each accompanied by a plus sign icon.

Figure 12.6.4

The referral programme is a great way to satisfy loyal customers and invite more customers. We can reward our customer (refer) with discounts on their next buy if they manage to refer 'x' number of users. To prevent anyone cheating the scheme the referred person must have bought a product and used the referral code during their first buy.

12.7 Conclusion

Now we concluded, we will discuss how the project went overall and what we reflect from it. The project has helped us gain various skills as well as improve on it. Our management and coding skill improved. We also gained more experience in teamwork and communication. Our group also formed new friendships and shared our personal experiences in the past which was quite nice to see and hear.

However, like every group project we had difficulties as not everything can be perfect. We came across various of design conflicts as well as task conflicts. As everyone wanted to make a large contribution but we had to size it down equally after all this is group work. Besides, due to coronavirus outbreak, our members weren't responsive as they were in live meetings, so it was difficult to hold an online meeting or check progress on the task.

When we first started this project, we didn't think about its purpose which was, of course, group work. We only thought of how to make most of our contribution and design a great website. The more time we spent together the more we realised how important everyone's contribution was. For example, we couldn't move on to the next task without having our group member complete a certain task. Every task was connected to us, and if something were wrong, we would go down together.

Overall, it was an interesting experience which taught us the value of group work as well as the positives and negatives. We hope to learn and apply this experience in our future endeavours. We are also grateful to get such experience.

13 References

- Cox, J. and Cox, V., 2020. Supermarket Price Comparison - How to Check Where's Cheapest. [online] Jordon Cox. Available at: <<https://jordoncox.com/supermarket-price-comparison/>>
- Staff, C., 2020. How The Human Eye Reads A Website. [online] Creative Bloq. Available at: <<https://www.creativebloq.com/ux/how-human-eye-reads-website-111413463>>
- WordPress.com. 2020. Wordpress.Com: Create A Free Website Or Blog. [online] Available at: <<https://wordpress.com/>>
- Zoom Video. 2020. Video Conferencing, Web Conferencing, Webinars, Screen Sharing. [online] Available at: <<https://zoom.us/>>
- JD. 2020. [online] Available at: <<https://www.jdsports.co.uk/>>
- Iceland.co.uk. 2020. Offers | Food Offers | Multibuys | Iceland Foods. [online] Available at: <<https://www.iceland.co.uk/offers>>
- Animal, M., 2020. Refer A Friend Scheme - Pet-Supermarket Support. [online] Help.pet-supermarket.co.uk. Available at: <<https://help.pet-supermarket.co.uk/article/561-refer-a-friend-scheme>> [Accessed 21 April 2020].
- Online.uwl.ac.uk. 2020. [online] Available at: <https://online.uwl.ac.uk/webapps/blackboard/content/listContent.jsp?course_id=_144125_1&content_id=_2768945_1>
- Draw.io. 2020. Flowchart Maker & Online Diagram Software. [online] Available at: <<https://www.draw.io/>>
- Pantheon.io. 2020. High Performance Hosting & Agile Webops Platform | Pantheon. [online] Available at: <<https://pantheon.io/>>