ITEC301 Deliverable 3

User Manual

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Project Title:	**E-commerce website for The Biltong Pantry**
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3.1 Introduction

3.1.1 Background

The website for The Biltong Pantry has been created. The website was built to give customers the ability to create accounts, view and order products online. Once an order has been placed, the customer can view the status of the order, including the order history on the ‘Orders’ page. All orders are saved on the database. Orders are payed for with cash on delivery. If any user of customer has a query regarding The Biltong Pantry, he/she can send a message using the ‘Contact Us’ page. All messages are stored on the database.

This website allow managers to view, add, remove and edit products on the ‘Shop’ page. All products on the ‘Shop’ page are displayed from the database. Furthermore, managers are able to view and manage orders received. Managers can change the status of an order at any time. For example, once a manager receives payment for an order, he/she can change the status of an order to ‘Success’ on the ‘Orders’ page.

3.1.2 About this website

The technologies used to build the website include the following:

- **HTML:** HTML is used to define and set the structure of the several web pages. It is also used to go from one page to another.
- **PHP:** PHP is used to interact with the database and set the web pages based on the type of user. This is done using sessions and session variables. It is also used to add and retrieve data from the database.
- **JavaScript:** JavaScript is used to validate user registrations, logins and messages sent on the ‘Contact Us’ page. It is also used to show notifications and it enables the mobile drop-down menu to be toggled.
- **CSS:** CSS is used to format and add style to the HTML web pages and elements.
- **SQL:** SQL is used to build the database and SQL queries are used to interact with the data within the database.

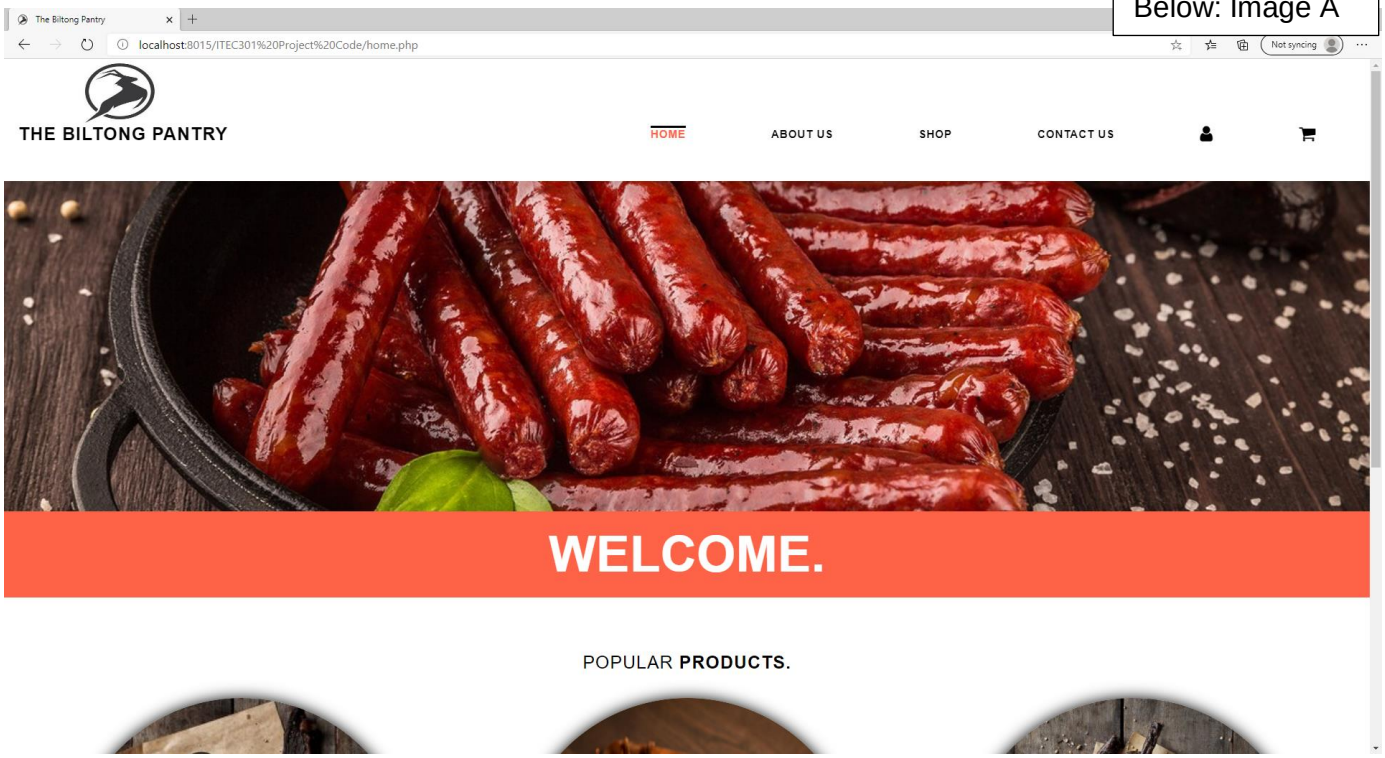
3.2 Basics: Accessing The Website and Admin

3.2.1 Accessing the website

To access the website, the customers and the administrators must type the website's URL into a web browser. Since the website is hosted locally on a local server it can only be accessed using the following link (the local server must be running): http://localhost:8015/ITEC301%20Project%20Code/home.php

This link will take the user to the 'Home' page of the website (please refer to Image A). Before logging in, the user is required to create an account on the 'register' page.

Below: Image A

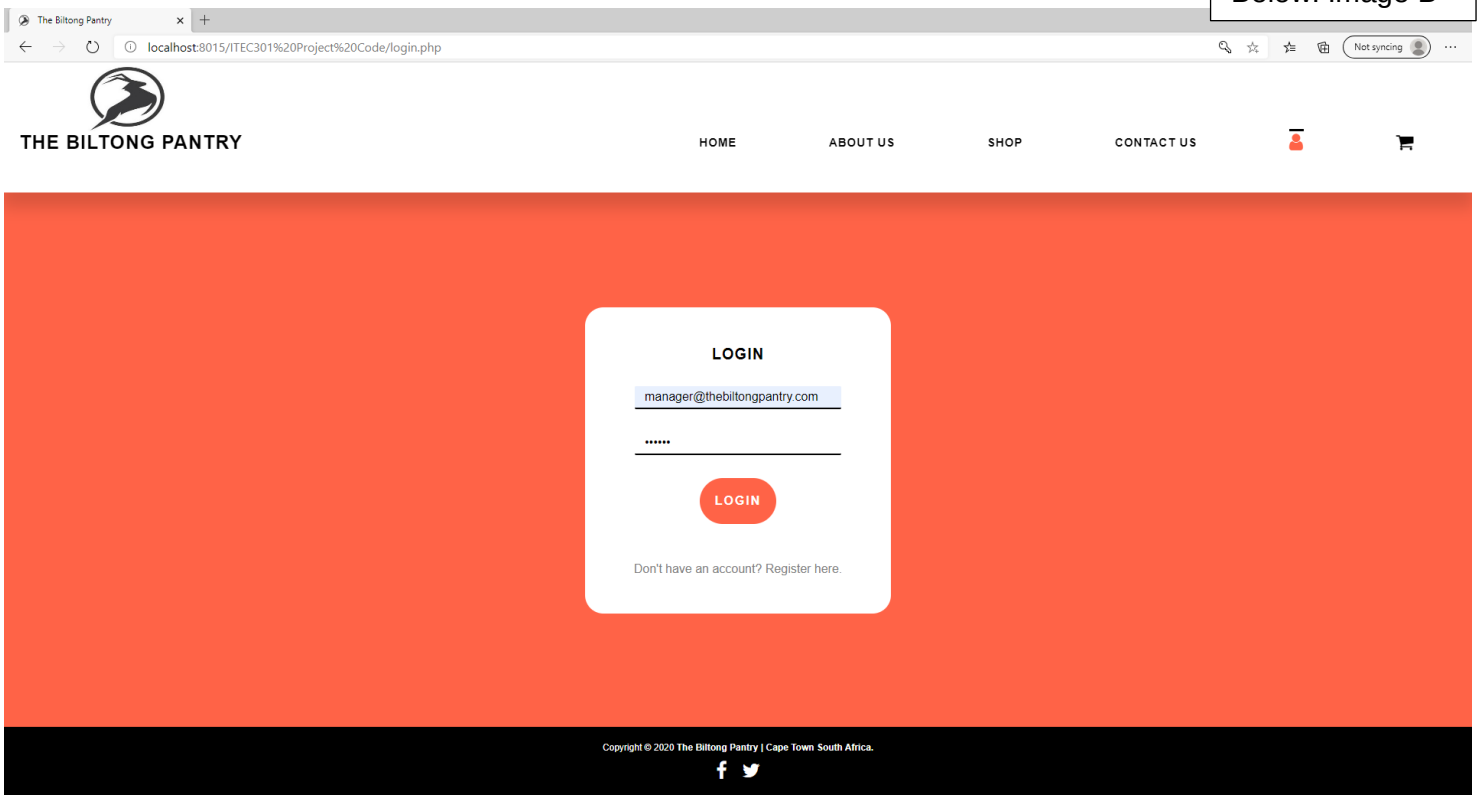


3.2.2 The Admin Area

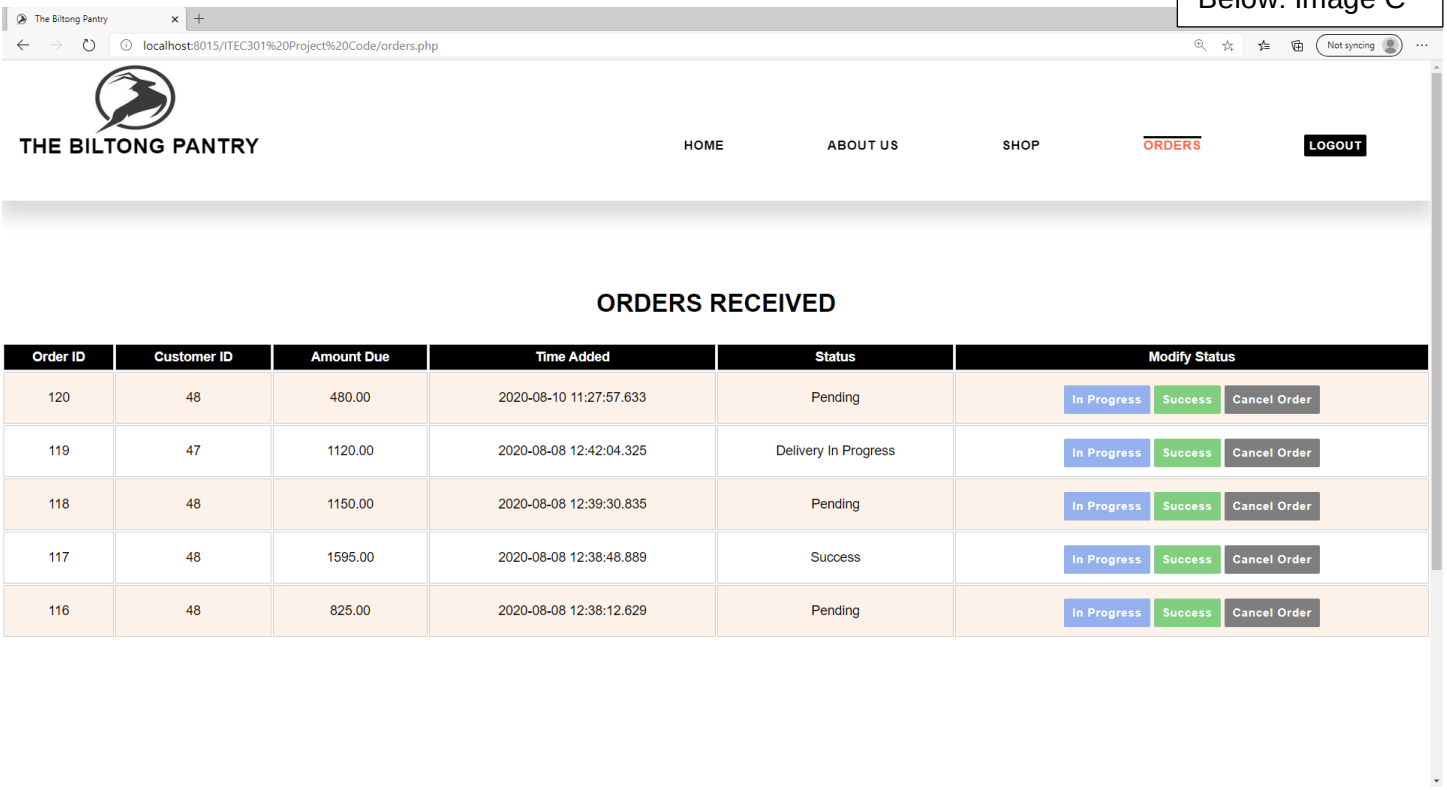
The admin area can be accessed by logging in as an administrator/manager on the 'Login' page (please refer to Image B). An administrator is able to perform the following actions on the website:

- View all orders received (please refer to Image C).
- Modify the status of orders (please refer to Image C).
- View all products on the 'Shop' page (please refer to Image D).
- Add products to the 'Shop' page (please refer to Image D).
- Remove products on the 'Shop' page (please refer to Image D).
- Update products on the 'Shop' page (please refer to Image D).

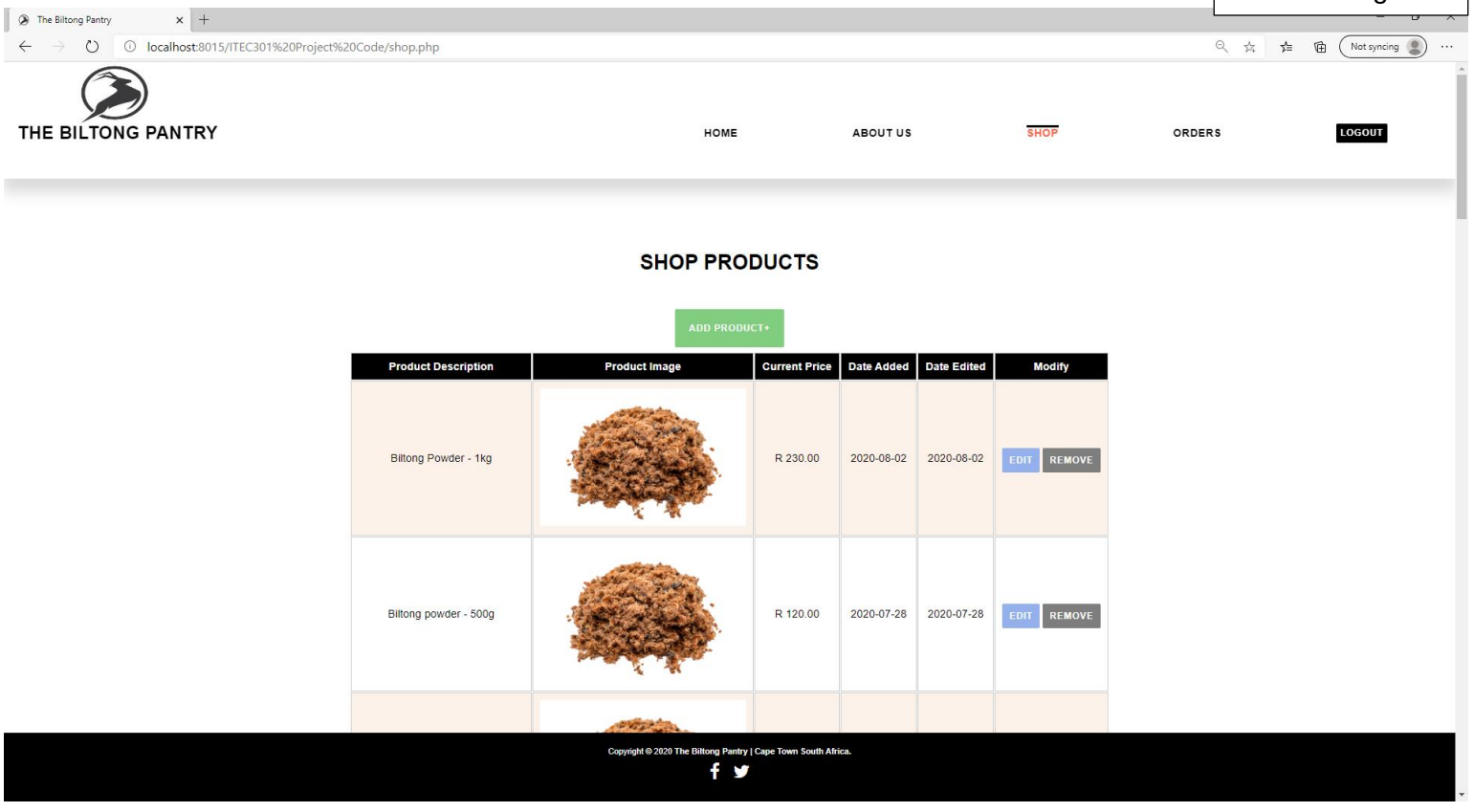
Below: Image B



Below: Image C



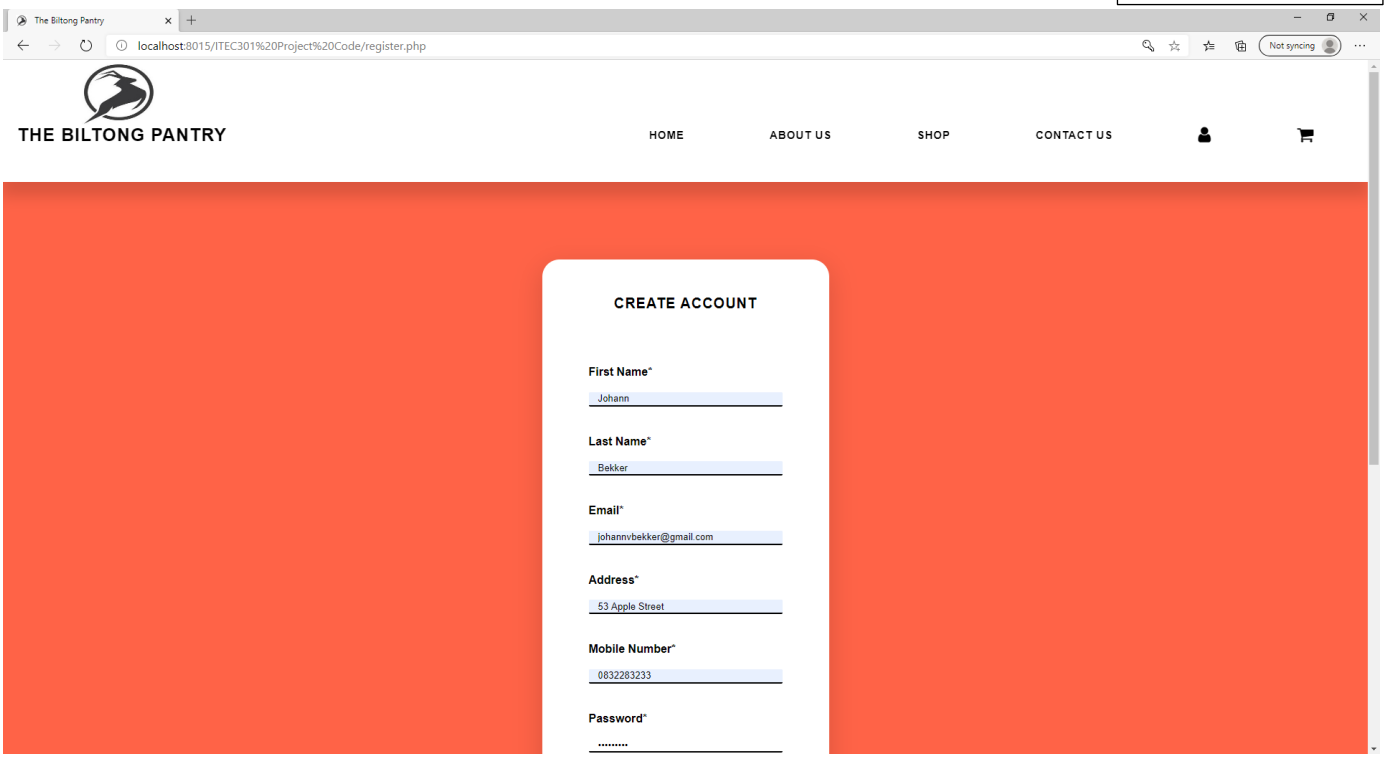
Below: Image D



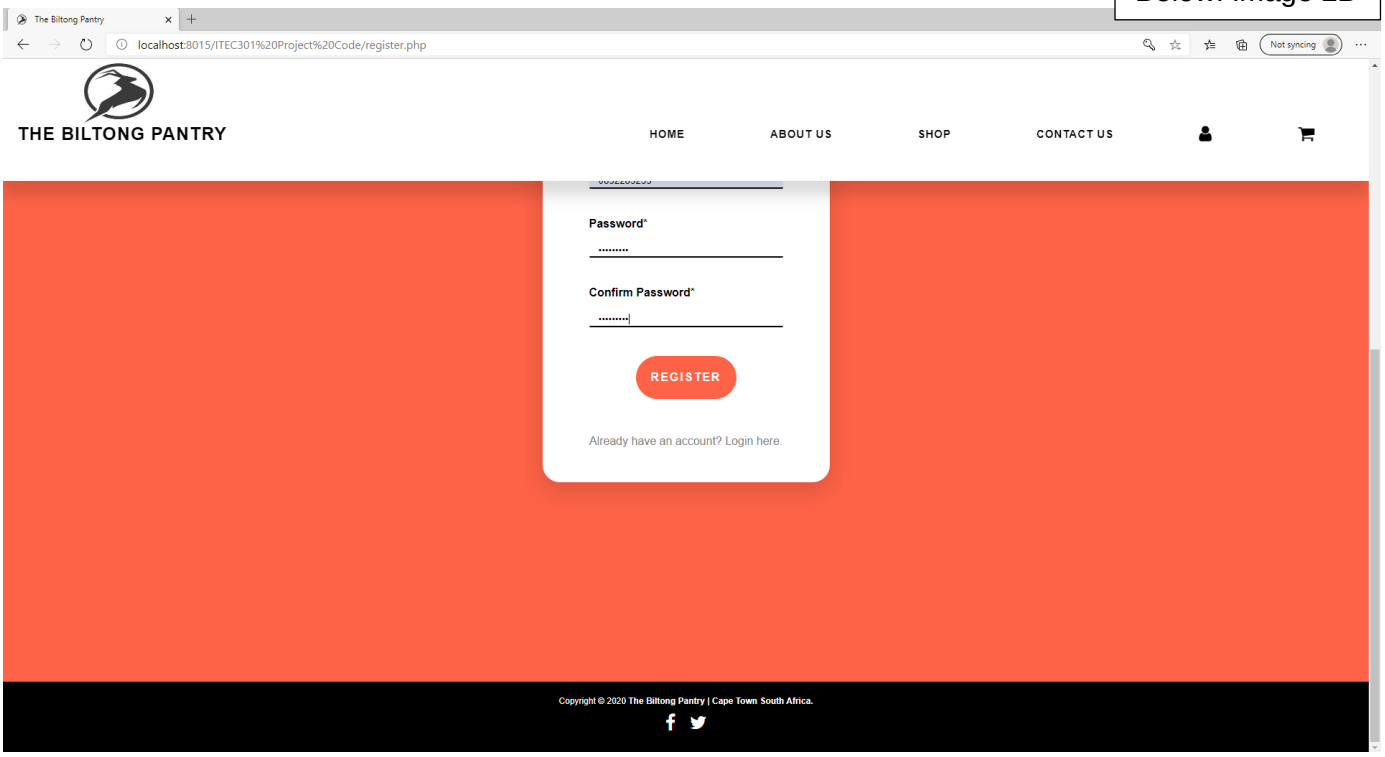
3.2.3 Creating A Customer Account

An account can be created on the ‘CREATE ACCOUNT’ page. To create an account, enter your details into the fields and click on the ‘REGISTER’ button. Please refer to Image 2A and Image 2B.

Below: Image 2A



Below: Image 2B



3.3 Products: Adding, Removing and Updating Products

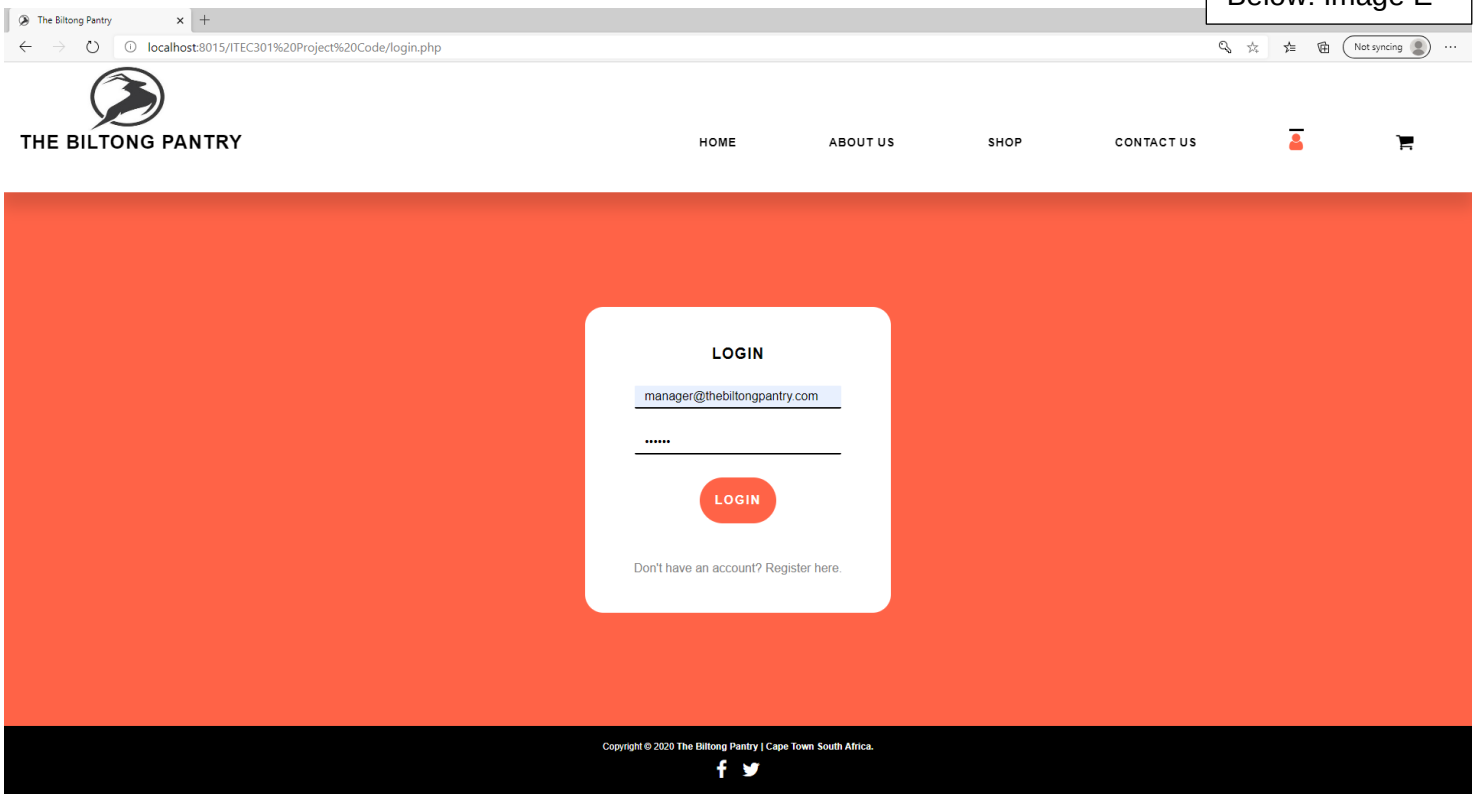
3.3.1 Adding and Removing Products

How products are added:

Before a manager/administrator can add a product to the website, he/she must first login to a manager account (please refer to Image E). Thereafter, the manager must go to the 'Shop Products' page (please refer to Image F). This can be done by clicking on the 'SHOP' link on the navigation menu. On the 'Shop Products' page, all products are displayed from the database in a table format. To add a product, the manager must click on the green 'ADD PRODUCT+' button (please refer to Image G). This will open an overlay which will allow the product's details to be entered (please refer to Image H). After the product details have been entered in the overlay form, the manager must click on the 'SAVE' button. A notification should appear indicating that the product was added to the website (please refer to Image J). The new product should also appear as the first product in the table.

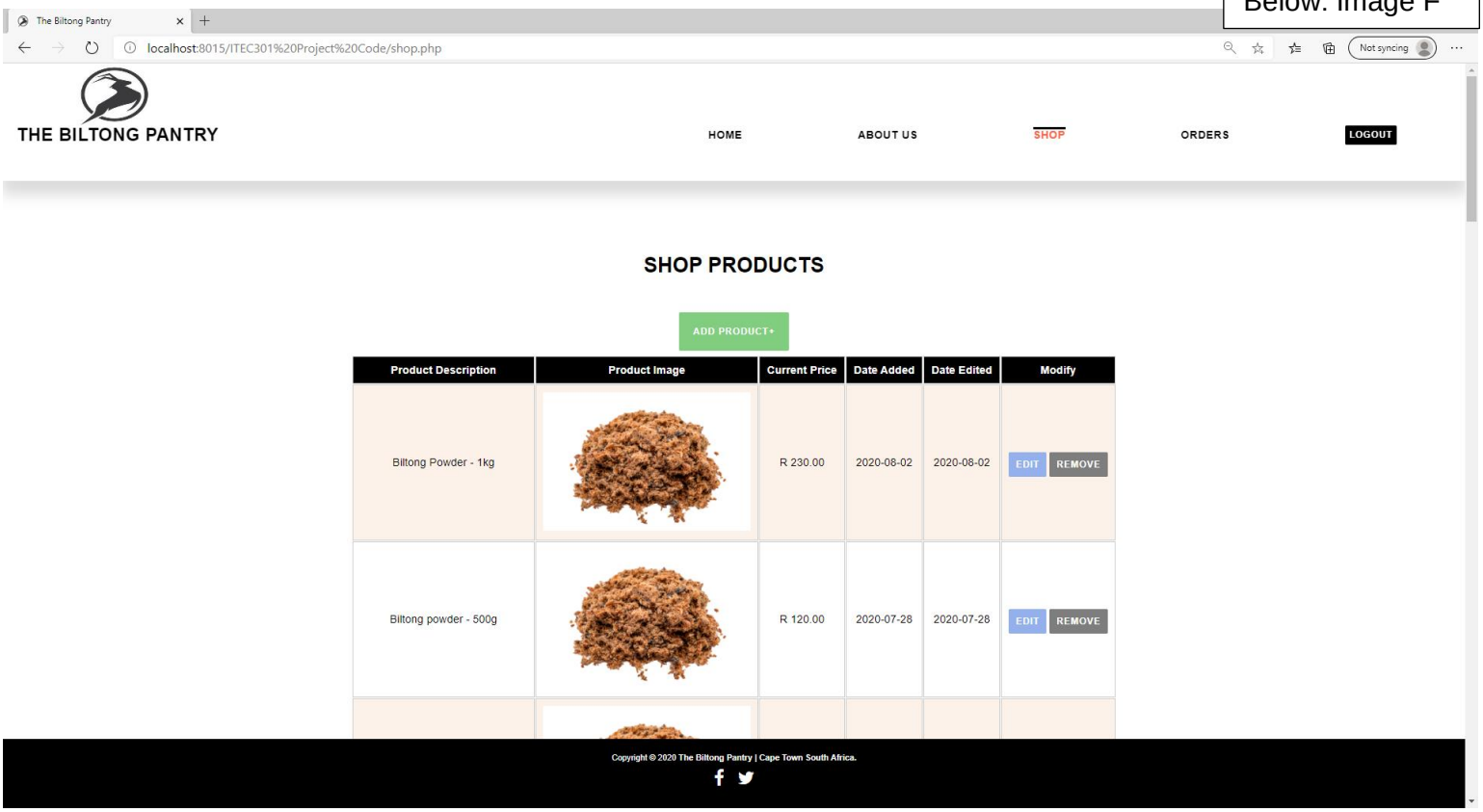
Step 1: Login to a manager account.

Below: Image E



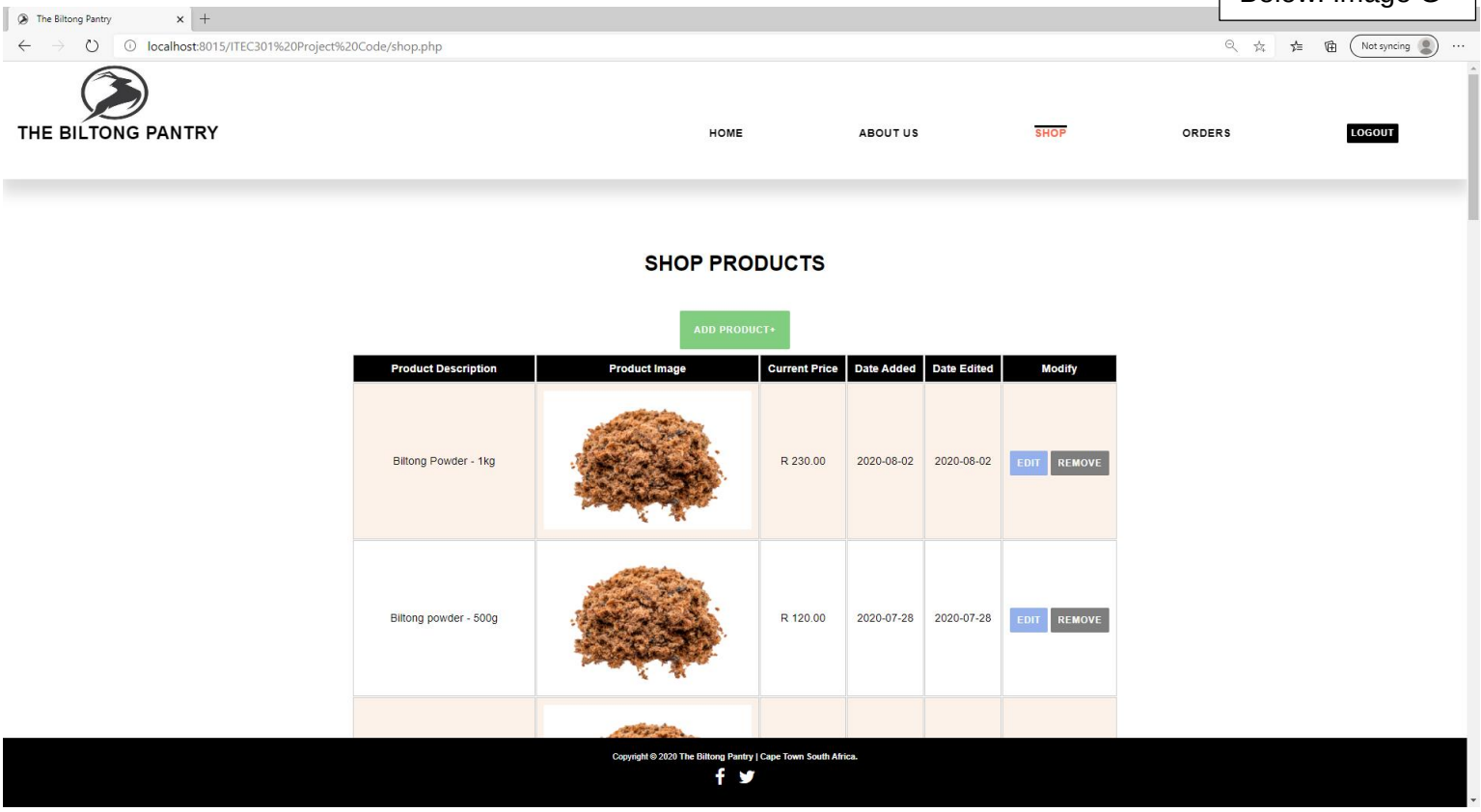
Step 2: Navigate to the 'Shop Products' page.

Below: Image F



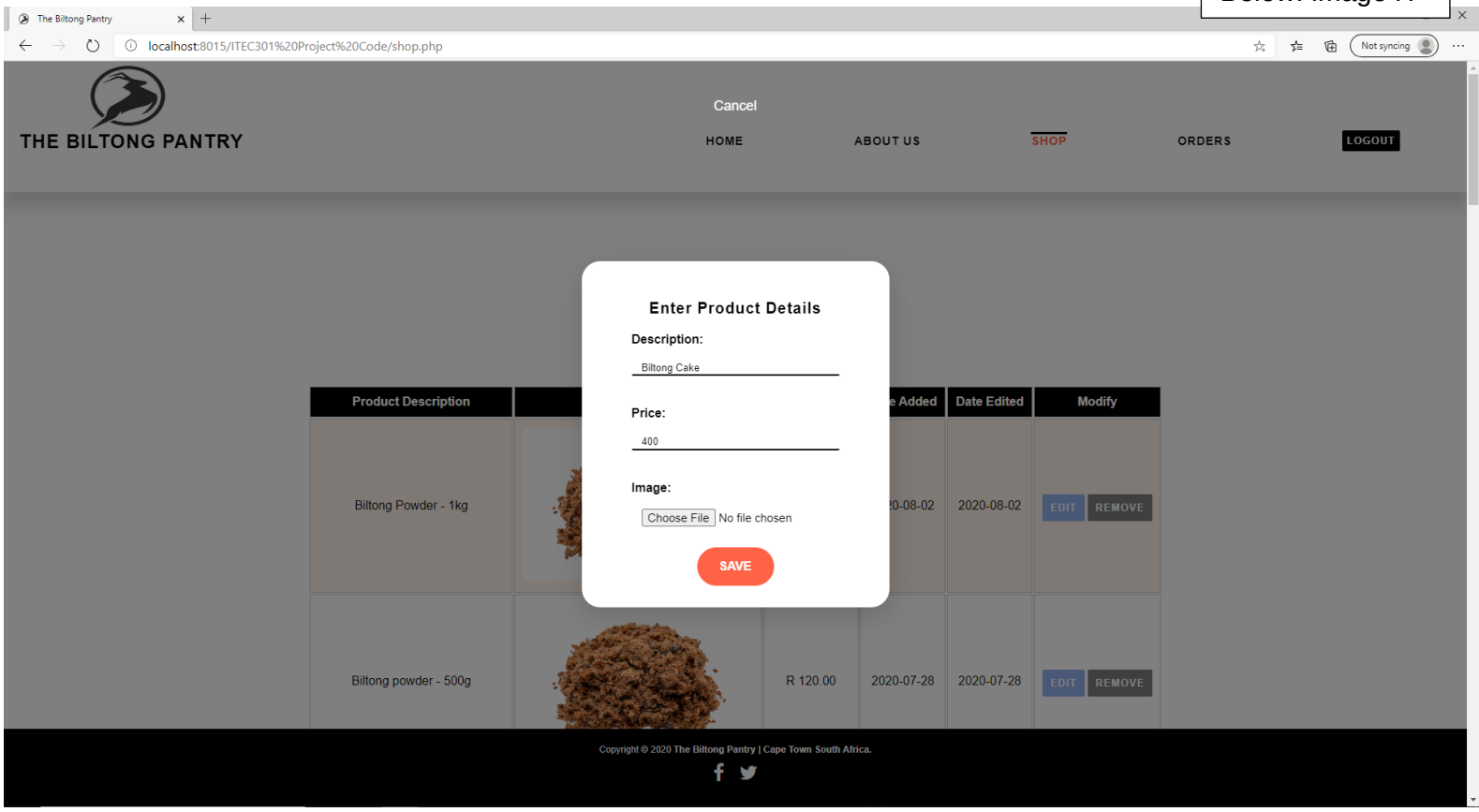
Step 3: Click on the green 'ADD PRODUCT+' button.

Below: Image G

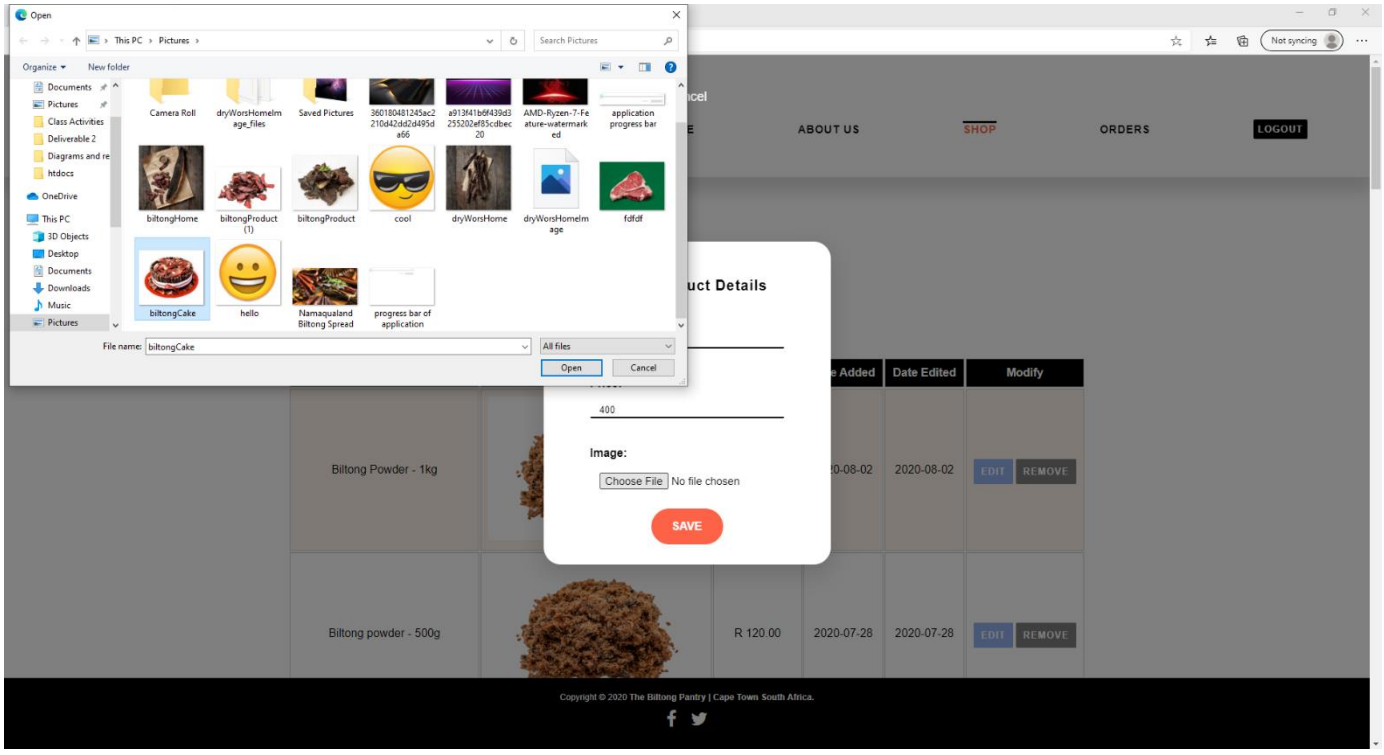


Step 4: Enter the product's details, select an image and click on the 'SAVE' button.

Below: Image H

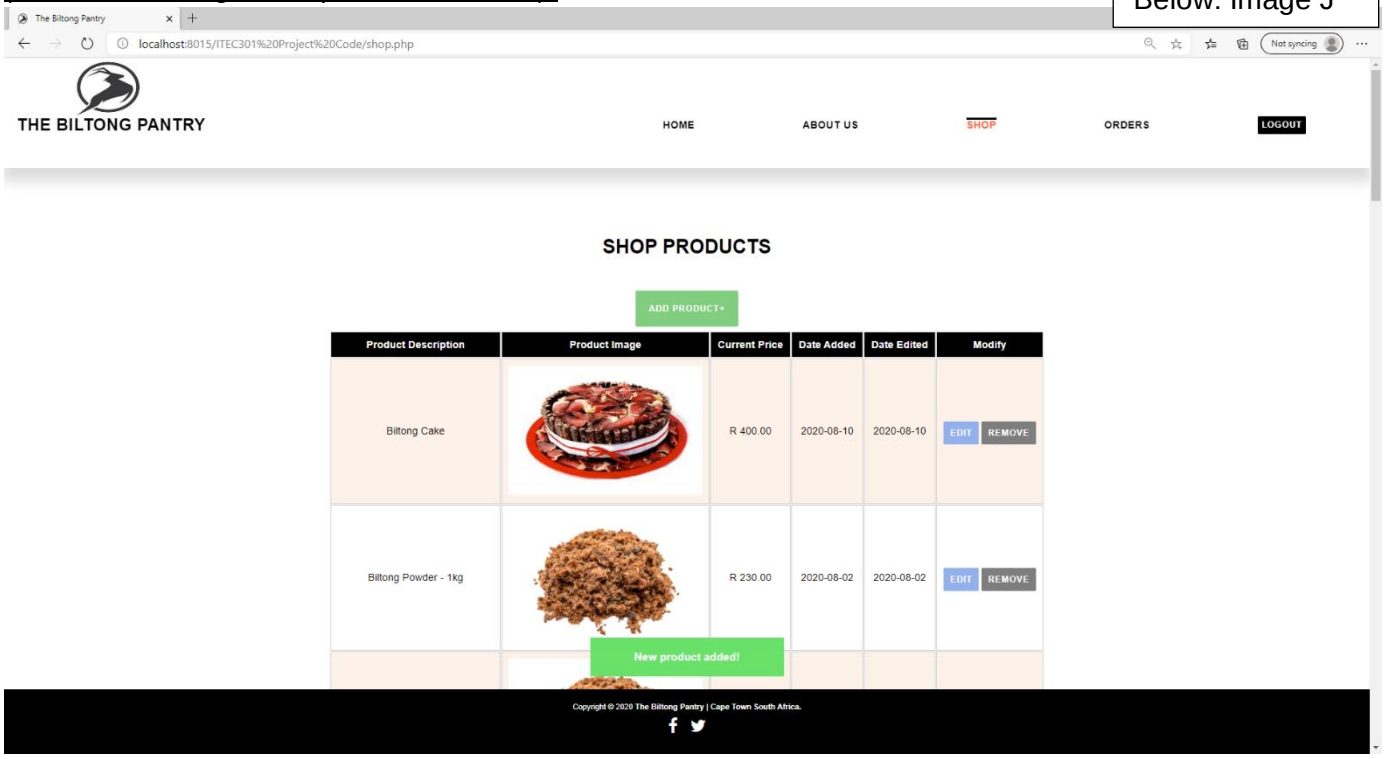


Below: Image I



(The new 'Biltong Cake' product is added).

Below: Image J

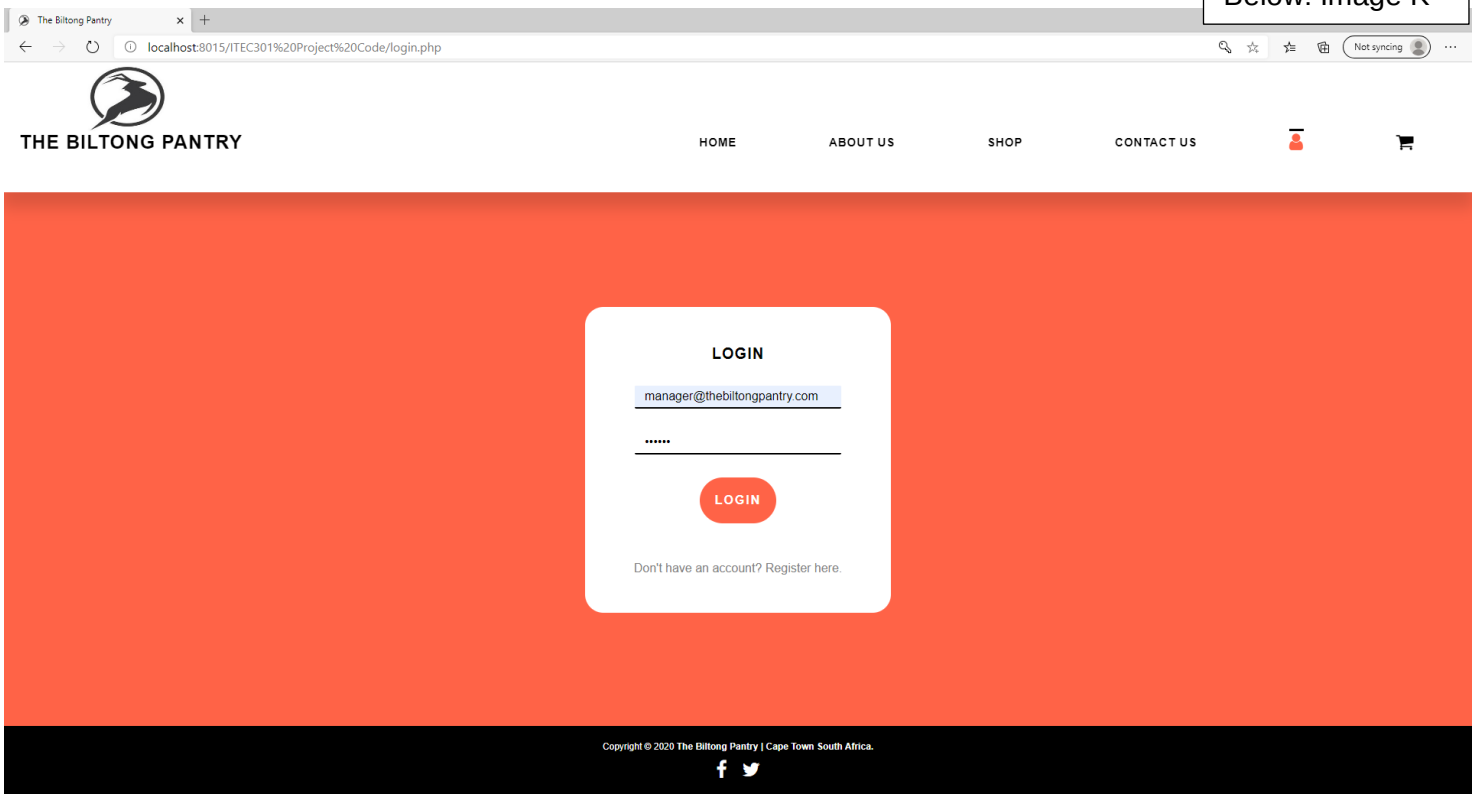


How products are removed:

Before a manager/administrator can remove a product from the website, he/she must first login to a manager account (please refer to Image K). Thereafter, the manager must go to the 'Shop Products' page (please refer to Image L). This can be done by clicking on the 'SHOP' link on the navigation menu. To remove a product form the website, the manager must click on the product's 'REMOVE' button (please refer to Image L). Clicking this button will remove that specific product form the website/database. In the following example, a 'Biltong Cake' product is removed (please refer to Images L and M).

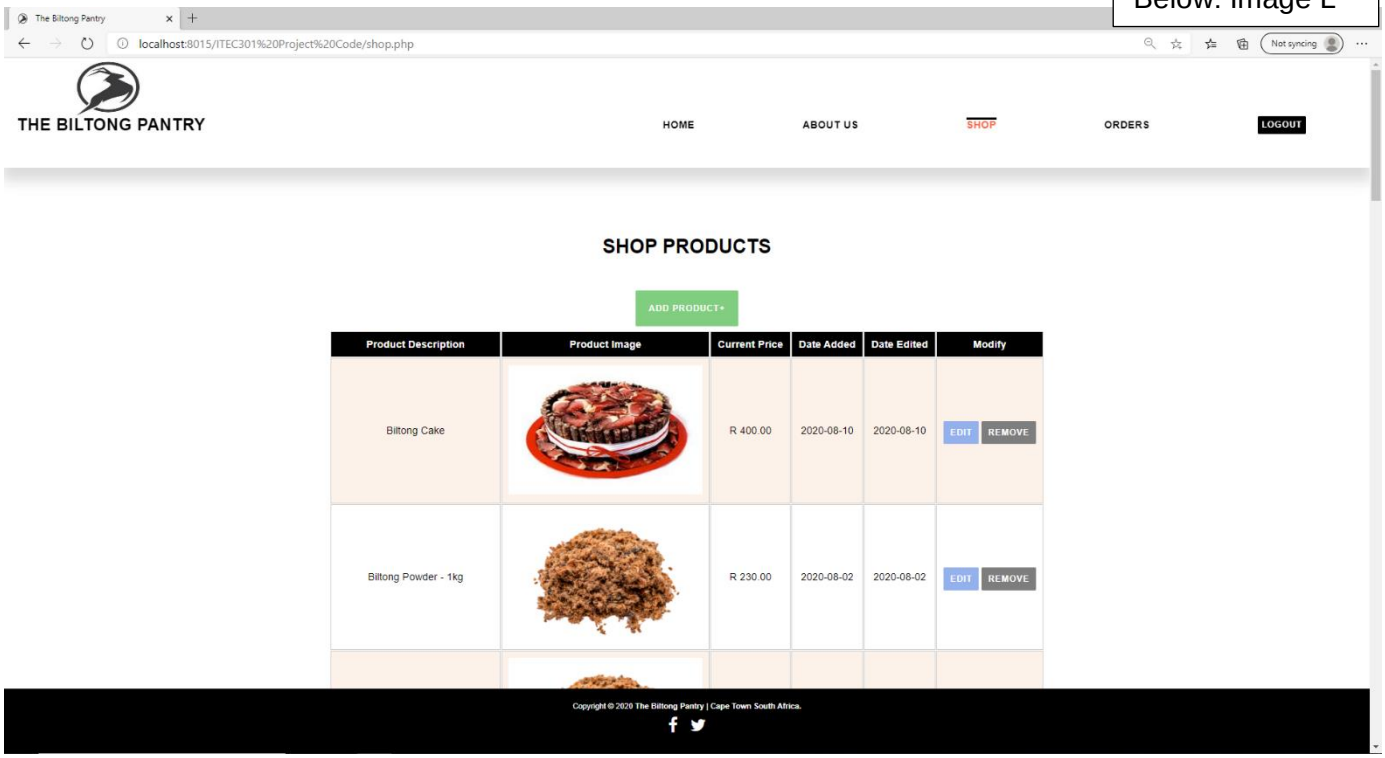
Step 1: Login to a manager account.

Below: Image K



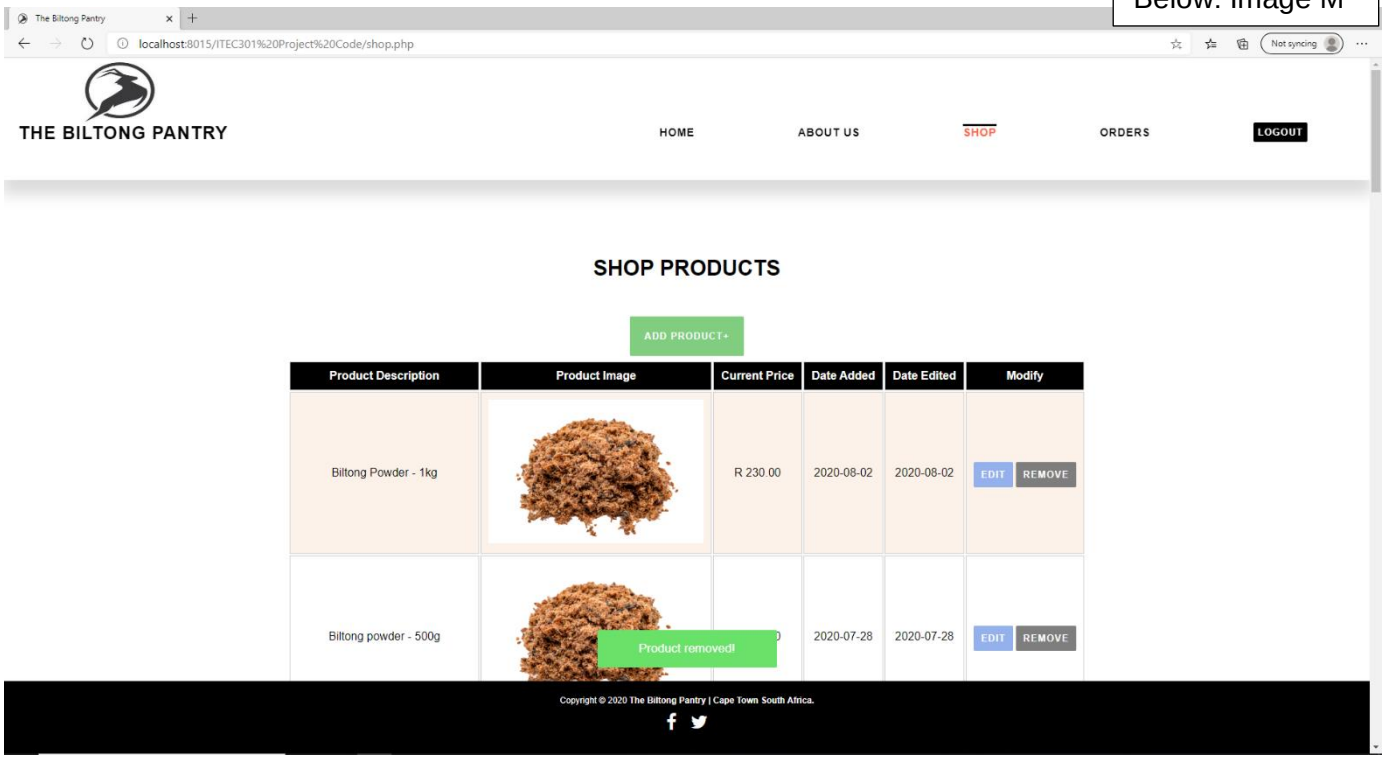
Step 2: Navigate to the 'Shop Products' page.

Below: Image L



Step 3: Click on a 'Remove' button (in this example the 'Biltong Cake' product is removed).

Below: Image M



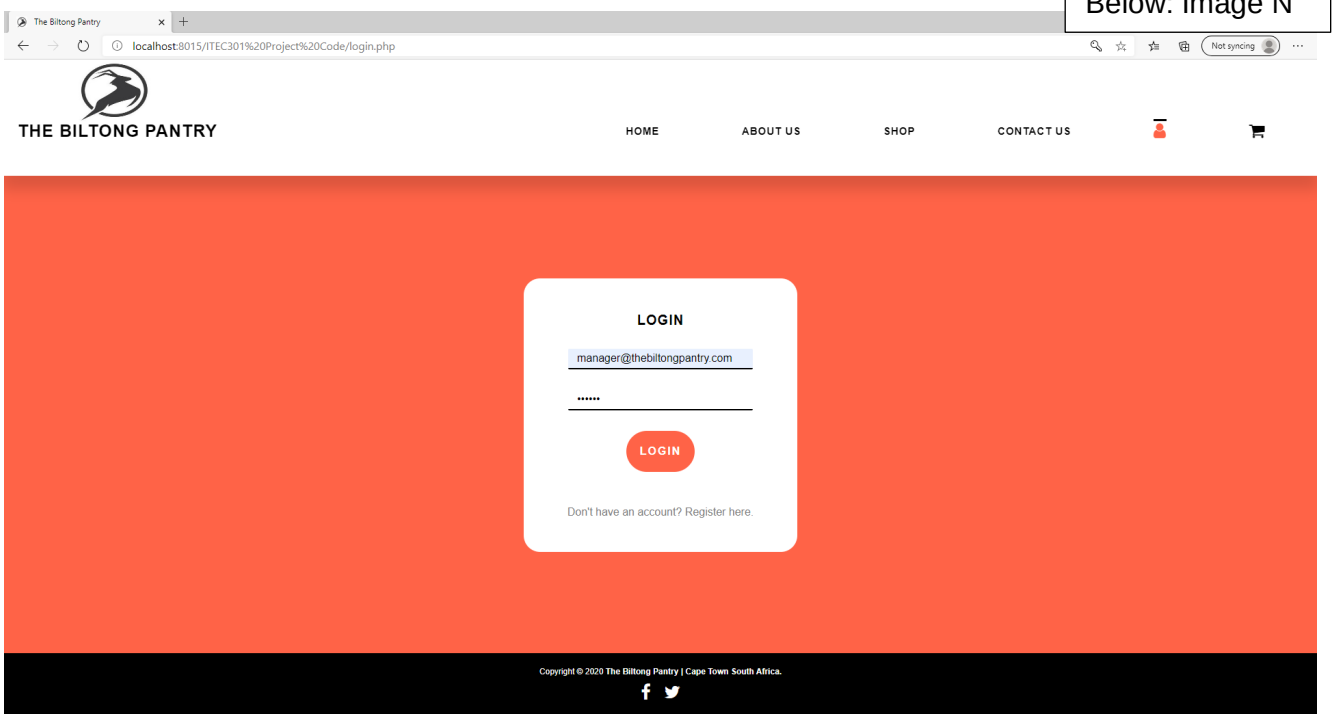
3.3.2 Updating Products

How products are updated:

Before a manager/administrator can update a product on the website, he/she must first login to a manager account (please refer to Image N). Thereafter, the manager must go to the 'Shop Products' page. This can be done by clicking on the 'SHOP' link on the navigation menu (please refer to Image O). Any of the products can be edited by clicking on its 'EDIT' button. Clicking this button will open the edit overlay which will allow the manager to enter updated product details (please refer to Images P and Q). It is optional to edit the product's image. Thus, the manager does not have to choose a new image every time a product is updated. Finally, the product is updated once the 'SAVE' button is clicked. In this example, the 'Biltong Cake' product's price is updated to R500 (please refer to Image R).

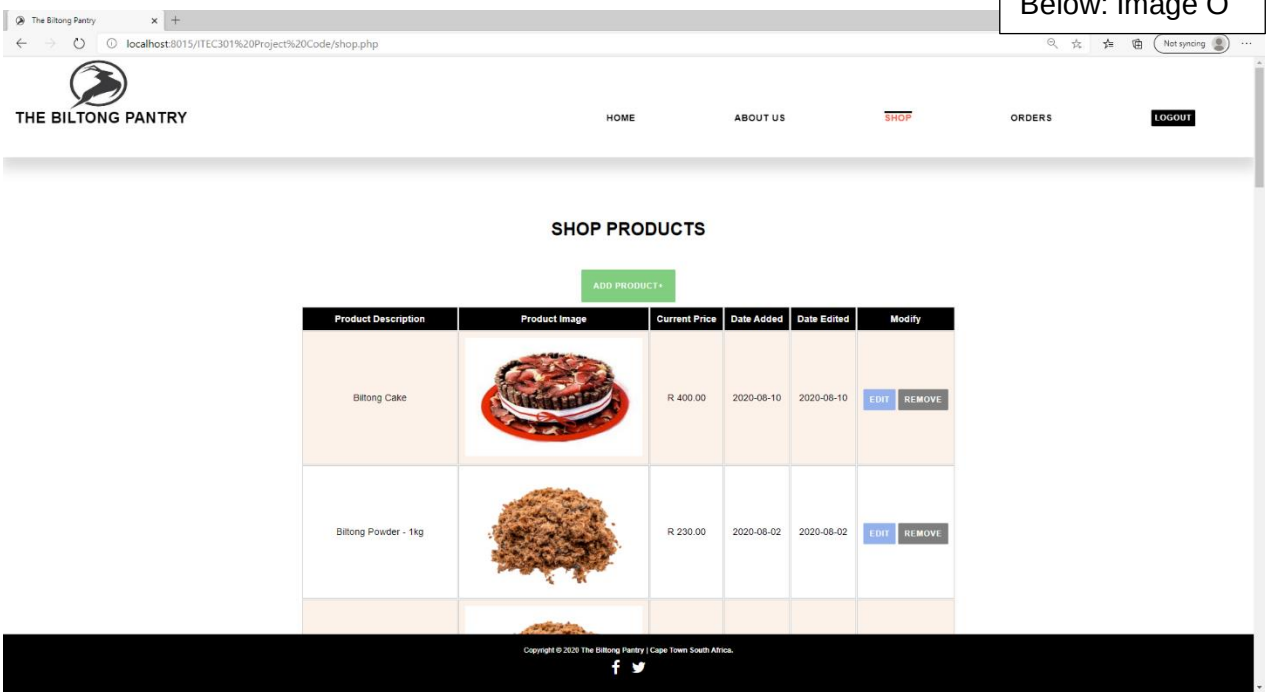
Step 1: Login to a manager account.

Below: Image N



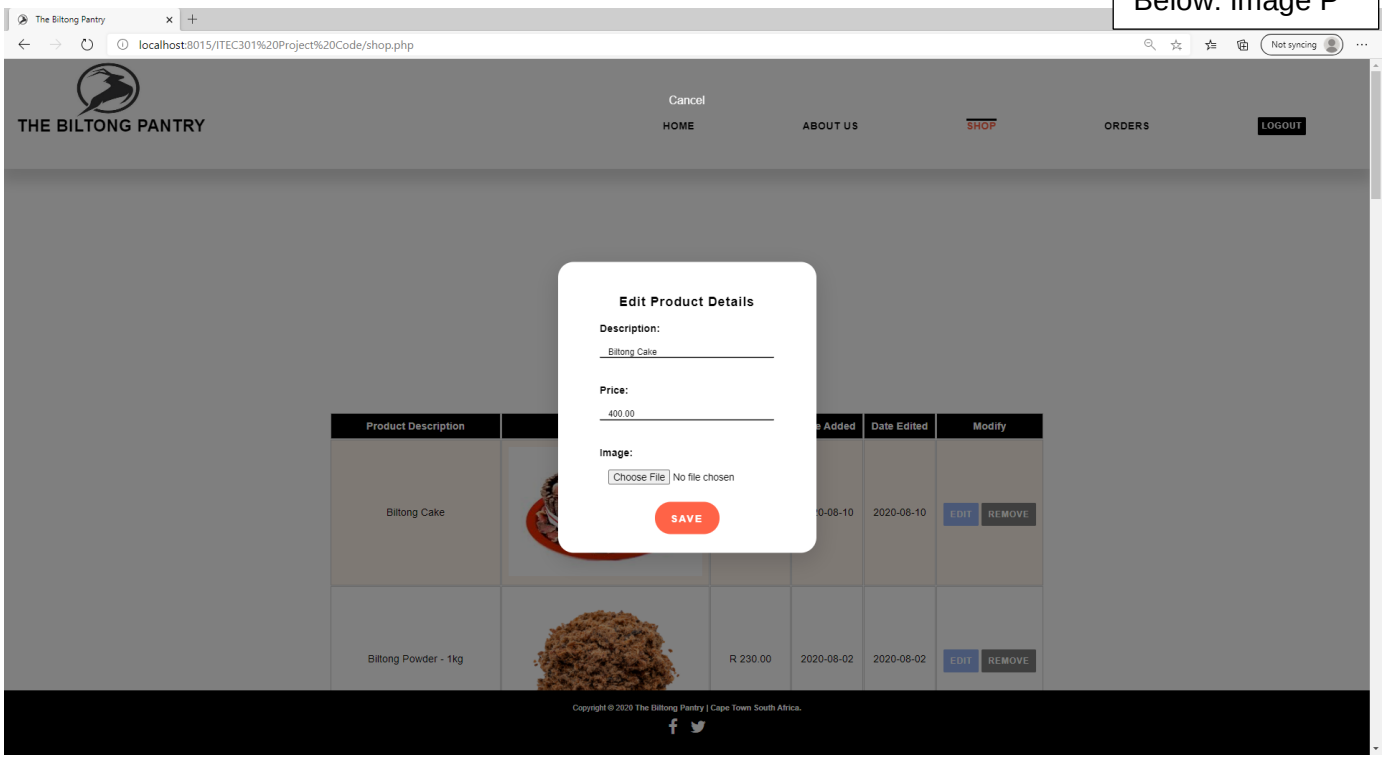
Step 2: Navigate to the 'Shop Products' page.

Below: Image O



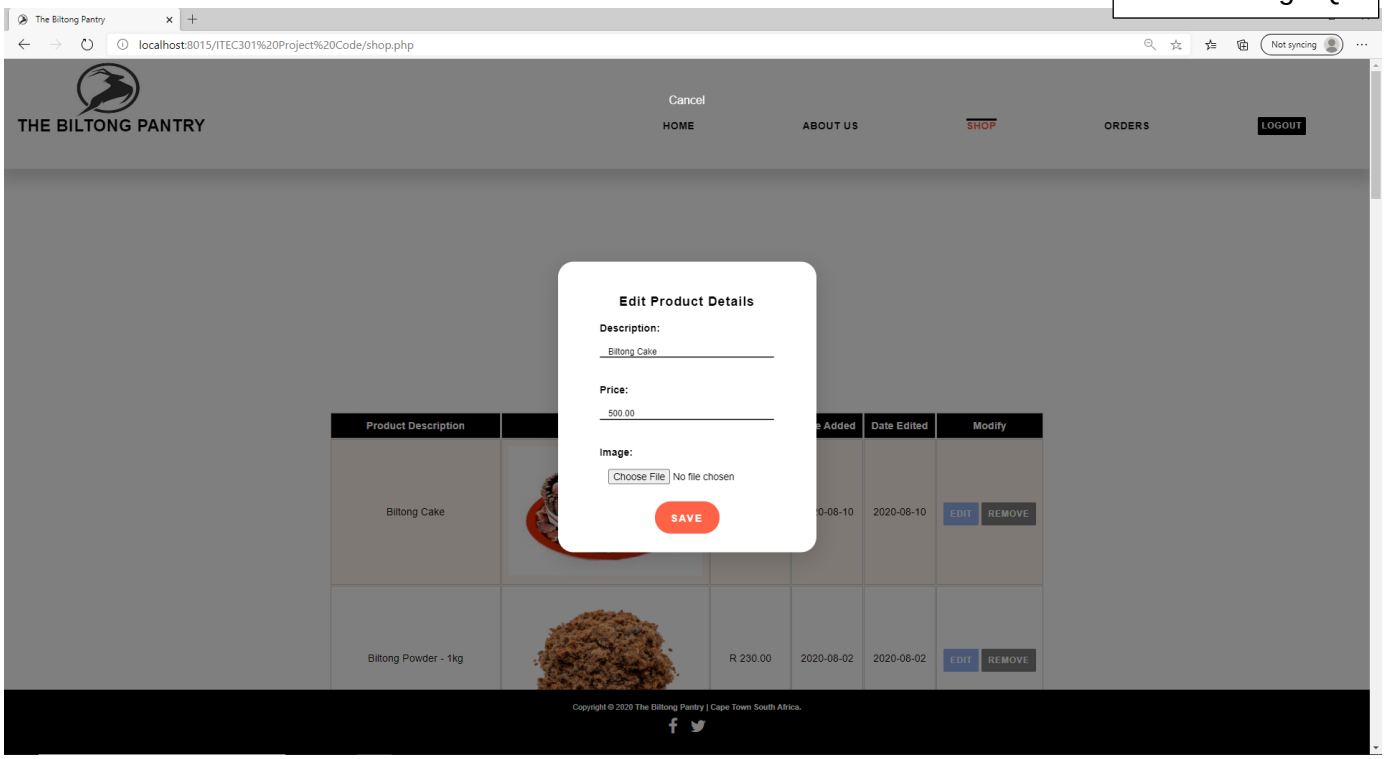
Step 3: Click on the 'EDIT' button.

Below: Image P



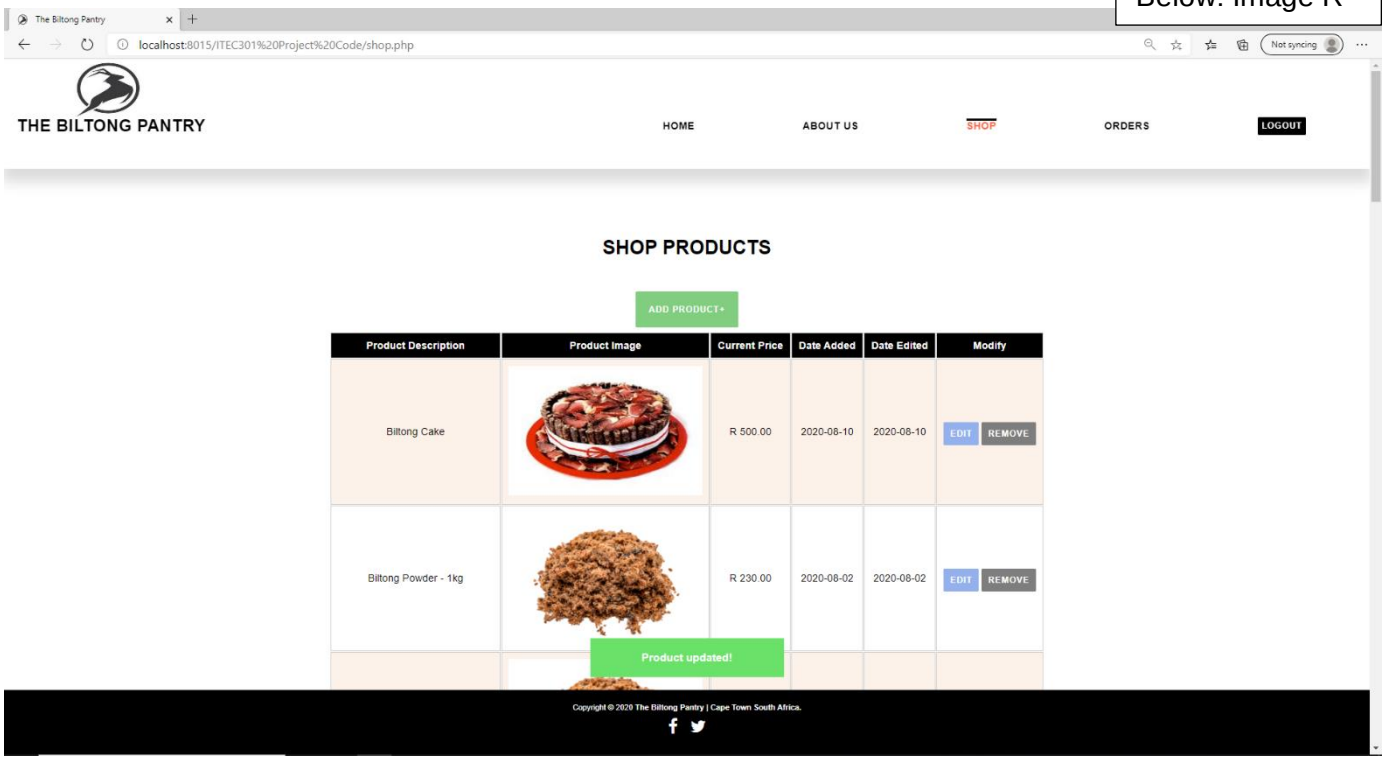
Step 4: Enter the product's updated details and click on the 'SAVE' button (in this example the price of the 'Biltong Cake' is updated to R500).

Below: Image Q



(Now the 'Biltong Cake' product has an updated price of R500)

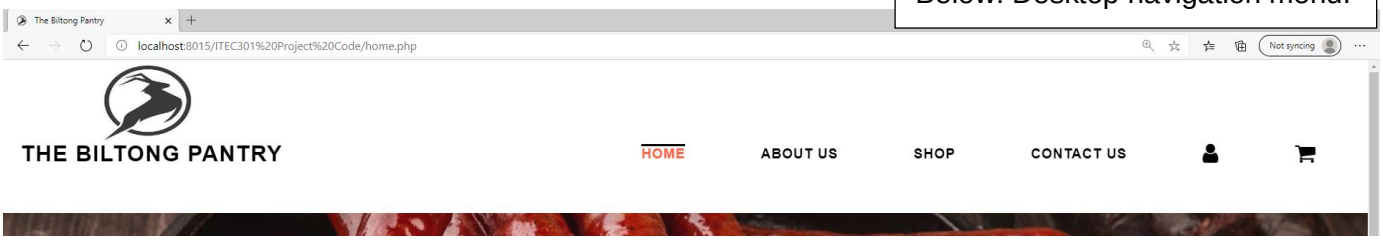
Below: Image R



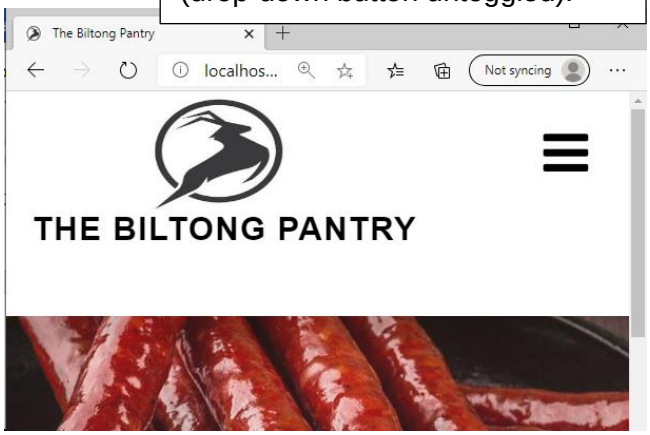
3.4 Changing Menus

The website's navigation menu changes depending on the width of the user's screen. It has both a desktop and a mobile navigation menu. The mobile screen and navigation menu is applied when the screen goes below 768 pixels.

Below: Desktop navigation menu.



Below: Mobile navigation menu (drop-down button untoggled).



Below: Mobile navigation menu (drop-down button toggled).

3.5 Shipping Options

Since The Biltong Pantry only wishes to operate in the Western Cape for now, no shipping services will be used. However, the website will make use of delivery drivers and delivery services. As a result, the owner of The Biltong Pantry decided to use a price-based delivery rate. Orders worth less than R800 have a delivery fee of R80 added. Orders worth more than R800 will not have a delivery fee added. This price-based delivery rate is to entice customers to purchase more products from the store and to make deliveries financially viable.

3.8 Orders

When an order is placed, it is saved in the database. Once saved, the customer receives an order number. The customer's order details are sent to the warehouse where the customer's order is prepared. The manager or a staff member is able to view the placed order and change its status depending on the stage of delivery. Once an order is ready, the warehouse notifies the staff members/managers and the order is sent out for delivery. A delivery driver then delivers the order and the customer pays for the order with cash on delivery. Thereafter, the delivery driver takes the cash to the manager. The manager verifies the payment amount received and the order's status is changed to 'Success'.

3.9 Updating A Page

The 'Shop' page can be updated by adding, updating and removing products. Before a manager/administrator can update the 'Shop' page, he/she must first login to a manager account. Thereafter, the manager must go to the 'Shop Products' page. This can be done by clicking on the 'SHOP' link on the navigation menu.

To add a product and update the 'Shop' page, the manager must click on the green 'ADD PRODUCT+' button. This will open an overlay which will allow the product's details to be entered. After the product details have been entered in the overlay form, the manager must click on the 'SAVE' button. A notification should appear indicating that the product was added to the website and the 'Shop' page is updated. Unwanted products can be removed from the 'Shop' page by clicking on the 'REMOVE' button.

3.10 Collecting Money From The Store

The website uses a Cash On Delivery (COD) system. Therefore, orders are paid for by customers on delivery. Delivery drivers collect the payment from the customer and at the end of their shifts, the drivers take all payments collected to the manager.

3.12 Appendix

This section will describe how the website can be setup and hosted on a local server. Thus, this section will also illustrate how the local server can be installed and setup. (Please note that XAMPP will be used).

Step one: Download XAMPP using the following link https://www.apachefriends.org/index.html

Step two: Ensure that any anti-virus software in disabled during the installation process.

Step three: Ensure that User Account Control (UAC) is deactivated. UAC can disable and restrict writing to the C: drive

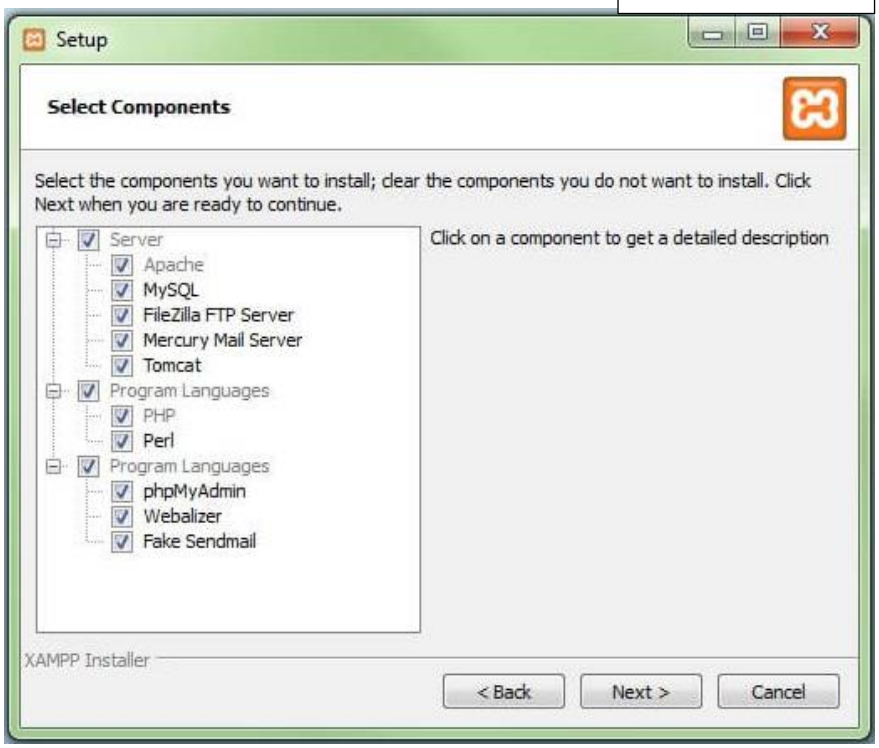
Step four: Click on the '.exe' file to start the installation of XAMPP.

Step Five: Click 'Next' on the 'Setup' page (please refer to Image S).

Below: Image S

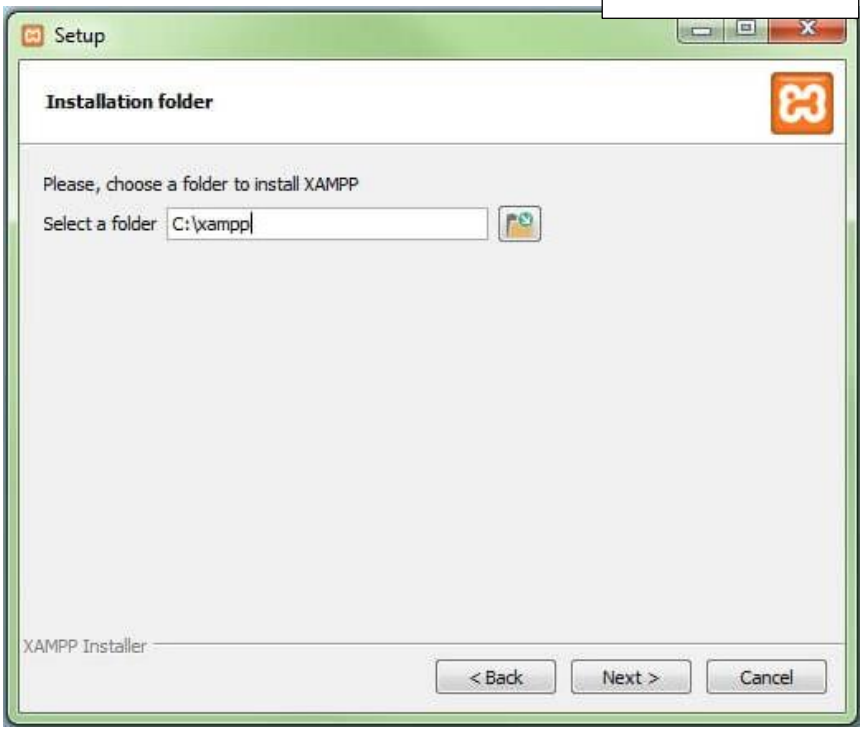
Step six: On the 'Select Components' page, various components can be selected to be included in the installation. Ensure that 'phpMyAdmin' is selected and click on the 'Next' button (please refer to Image T).

Below: Image T



Step seven: Select the location where XAMPP will be installed and click on 'Next' (please refer to Image U).

Below: Image U

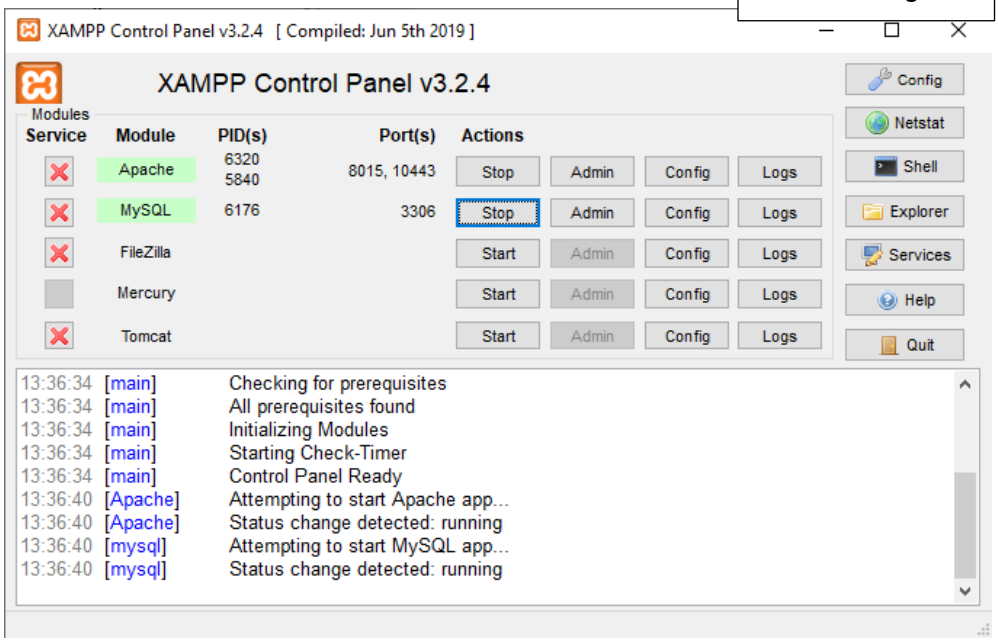


Step eight: The installation will start. Once installed, click on ‘Finish’ (please refer to Image V).

Below: Image V

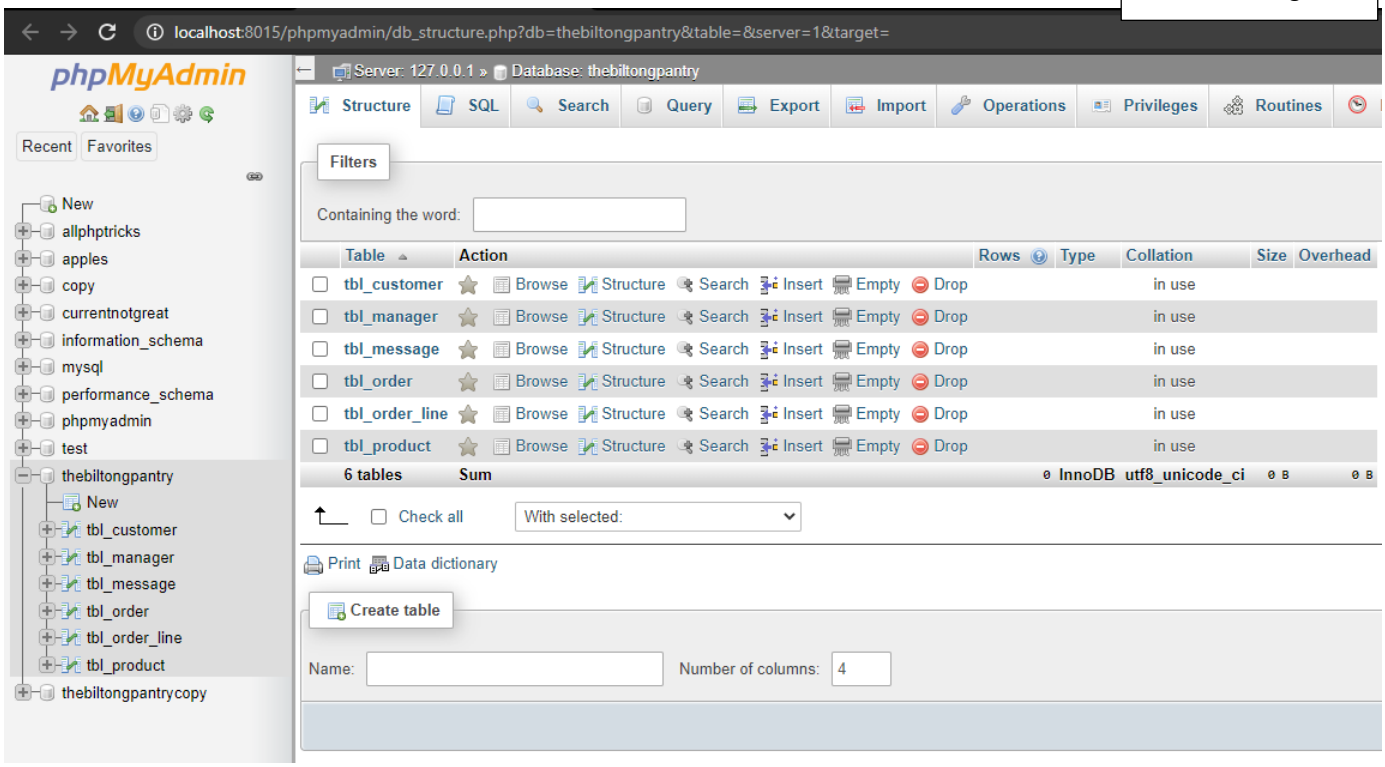
Step nine: Start MySQL and Apache local server and click on ‘Admin’ to open the browser interface (please refer to Image W).

Below: Image W



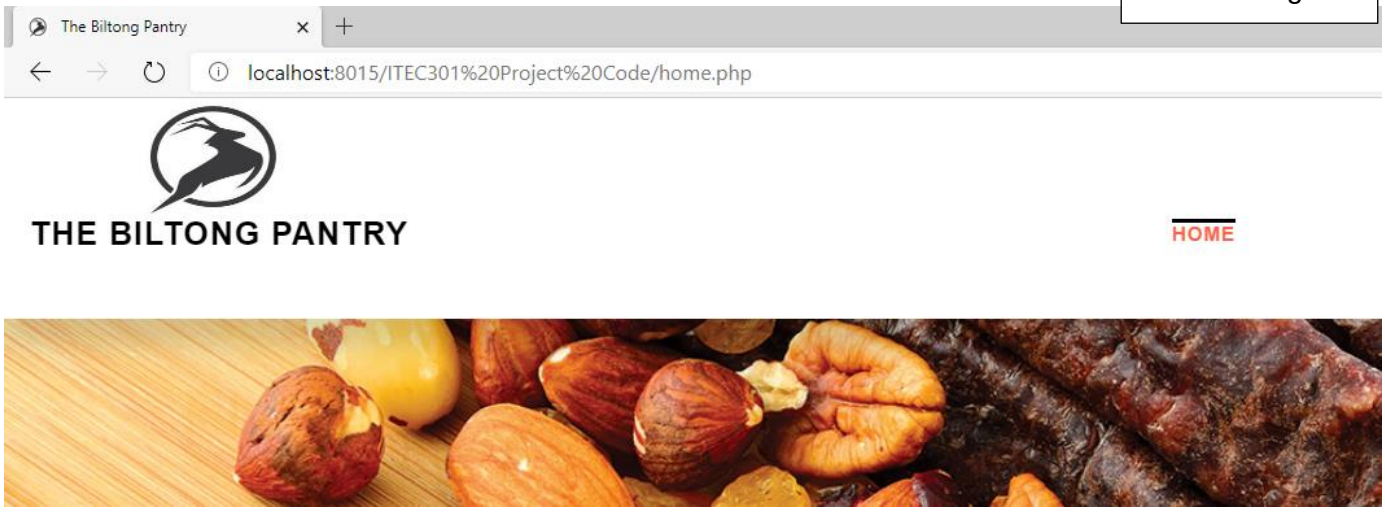
Step ten: Create the database for The Biltong Pantry or import it (please refer to Image X).

Below: Image X



Step eleven: Install the website files. Now the website can be hosted using the local server and it uses the 'thebiltongpantry' database. In the URL of the website, the local server port of '8015' can be seen (please refer to Image Y).

Below: Image Y



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