Below is a list of test categories that are required to fully test the application

|  |
| --- |
| **NAVIGATION TESTS** |
| **Testing that the splash page loads**  To make sure the Splash Page appears when the program is run and the button works.  The page should successfully loads and the “login button” should take the user to the login page. |
| **Testing the links at the top of the Home Page**  Each link should take you to the correct page, a home page, about us page, contact us page. |
| |  | | --- | | **ALL STAFF(USER) TESTS** | |
| **Testing a staff member can log in**  To make sure the Staff login page works properly.  The page should successfully log in a valid Staff member and take them to the Staff Home page. If the login details are incorrect then an error message should be shown instead. |
| **Testing that staff can edit their details**  To make sure the Staff can edit their own details  Staff members can click on their email in the navbar, here they can change their password |
| **Testing staff members can view shop products**  To make sure a logged in Staff member can view all current products on the system via the view all products link in the navigation bar |
| **Testing staff members can update stock level of a product**  To make sure that the logged in Staff member can successfully update the stock level of existing products.  The update stock level page should allow a staff member to successfully modify the stock level of any product on the system. |
| **Testing staff members can view all customers and edit their details**  To make sure that the logged in Staff member can view all customers and edit their details successfully.  If any fields are left blank, an error message is displayed, if the details are successfully edited, the details are saved and the user is directed to the view all users page |
| **Testing viewing previous orders (as a staff member)**  To make sure that the logged in Staff member can successfully view all previously placed orders by all Customers.  Each order is displayed on the view all orders page ordered by order Id. |
| **Testing viewing previous ordered items/orderLines (as a staff member)**  To make sure that the logged in Staff member can successfully view all of the products a customer has purchased on orders they have placed in the past.  Next to each order on the “view all orders” page, the “view order” button shows the details of an order including all the orderlines |
| **Testing staff logging out**  To make sure that the Staff member can successfully log out of the system and they are returned to the Login Page. |
| **SHOP TESTS** |
| **Testing staff members can find customer account**  To make sure a logged in Staff member can find customer details via their email.  Staff member can press “Start New Order” which takes them to the customer login page, if customer is found it takes the stuff to the products page, else it  Displays an error message “Customer not found. Please try again.” |
| **Testing a Customer can be Registered**  To make sure that a customer can be successfully registered.  A user can register a customer and is then taken to the shop page. If a staff tries registering an already existing customer, an error message will appear, and the staff member will be directed to the customer login page. If the staff member leaves the important fields blank in the customer registration page, |
| **Testing the shop page – Adding a Product to the Basket(Before customer login)**  The Add to Basket button takes the user to the customer log in page, so that the staff can log a customer in |
| **Testing the shop page – Adding a Product to the Basket(After customer login)**  Staff can look through all the products held on the database. Once a staff member clicks on a product, it takes the member to the individual product page, where a product of certain quantity can be added. If a product is successfully added, the user is navigated to the basket page. The user should be unable to add a quantity above the stock level of a product and an error message will appear. The same product can be added multiple times and it will edit the quantity of that specific order line |
| **Testing the Shop Page – The buttons on the page**  To make sure that the “view basket”, “customer logoff”, “customer details” button works.  The View basket button takes me to the basket page, the customer log off button cancels the order started and send the user to the customer login page, the customer details page shows all the customer details, with a link to the edit customer page. |
| **Testing the Basket Page**  To make sure that the basket page works.  Quantity of each product can be increased or decreased; product can be removed.  If the user tries increasing the quantity to a number that is not available, an error message will be displayed. “Continue Shopping” button takes the user back to the products page  “Continue to Payment ” button takes the user to the payment page |
| **Testing the Voucher Codes on the Basket Page**  To make sure that voucher codes work  Only valid voucher codes can be used and the totals with the discount must be correct  Voucher codes can only be used once, if a voucher code is not valid, an error message Is displayed and the voucher code cannot be used |
| **Testing the Payment Page – placing an order**  To make sure that the logged in user can successfully take a payment for a customer order.  This will lead to the stripe page, where a payment can be authorised or declined |
| **Testing the Order Confirmation Pages**  To make sure that there are order confirmation pages work depending on if a payment was successful or unsuccessful  If a payment is successful : Payment success page is displayed with a sample receipt. The bottom of the page as a “stripe receipt” button takes the user to the receipt generated by stripe. If a payment is unsuccessful : Payment cancel page is dislayed, the order can still be continued my pressing the “current order/ shop page” button in the navigation side bar or the continue shopping button. |
| **Testing that the user can log the customer out**  To make sure that the Customer can be successfully logged out of the system.  This can be done via the “customer log off” button on the shop page. The start new order link on the navigation bar where a new customer email can be entered in. |
|  |

|  |
| --- |
|  |
| **STAFF(USER) – MANAGER ONLY TESTS** |
| **Testing manager can edit products**  To make sure that the logged in manager can successfully edit the details of existing products.  The Edit Product Details page should allow a manager to successfully modify the details of any product on the system. If any attributes are missing or invalid while editing, then an error message should be shown |
| **Testing manager can create products**  To make sure that the logged in manager can successfully create a new product.  Managers can create a product by filling a form, if successful, the user is directed to the view all products page. If fields aren’t completely filled an error message will be displayed for the manager to fix so that the product can be created |
| **Testing manager can delete products**  To make sure that the logged in managers can successfully remove products from the shop.  The delete link on the view all products page takes the user to the product delete page where a product can be permanently deleted from the system |
| **Testing managers can create a voucher code**  To make sure that the logged in managers can successfully create a voucher code for any amount of customers  If any fields are left blank during the creation of a code, an error message will be displayed |
| **Testing managers can delete a voucher code**  To make sure that the logged in managers can successfully delete a voucher code from the system  Managers can permanently delete a voucher code from the system so it cant be used |
| **Testing managers can view all staff members**  To make sure that managers can view the list of all the staff members. |
| **Testing managers can create a new staff members**  To make sure that managers can create staff members  The create new user link allows staff member to successfully create a new staff member. If any necessary fields are left blank, then error messages are displayed |
| **Testing managers can edit staff details**  To make sure that managers can edit staff members |
| **Testing managers can change staff roles**  To make sure that managers can change staff roles. |
| **Testing managers can delete a user**  To make sure that the logged in managers can successfully delete a user from the system  Managers can permanently delete a user from the system so the staff member cant login |
| **EXTRA FUNCTIONALITY TESTS** |
| **Testing the stripe page**  To make sure that the stripe page works.The card payment method allows takes a set of valid test cards. The PayPal button takes the user to the PayPal page where the payment can be authorized or declined  The google pay button allows an gmail account connected to a card to authorize a payment |
| **Testing that receipts can be exported**  To make sure that receipts can be exported.  The “Export as PDF” button on the payment success page generates and downloads a pdf receipt. |
| **Testing the where to find us section – home page**  The google maps image on the where to find us(home page) should open up to show the directions of where the shop is located |
| **Testing that voucher codes can be emailed out to customers**  To make sure that when voucher codes are created by managers, the codes are successfully sent to the customers email. |
| **Testing that the forgot password feature works**  To make sure the Staff can use the forgot password link.  Staff members can click on the forgot password link and an email will be sent to them with a link to change the password. The staff member should be able to login with the new password now. |
| **Testing that two factor authentication for changing a user phone number works**  Two factor authentication is used to change a phone number, only for an authorised number, as it is in test mode. |
|  |
| **Description of the type of tests that will be included to ensure that any extra functionality is adequately tested** |