Use Case ID	Use Case Scenario	Test Case ID	Test	Steps to Test	Expected Result	Actual Result	Status	Defect ID	Notes
UC001 - Login	User successfully logs in from the login page	TEST-1	User fills out username and password field and clicks login. User should be taken to the main/welcome page and see their username and profile picture displayed in the navbar	1. Navigate to login page while not l 2. Fill out username field with valid u 3. Fill out password field with valid p	Home/welcome page loads and navbar displays logged in user's username and profile picture elements				
	User attempts to login with incorrect username	TEST-2	User fills out incorrect username, but correct password and clicks login. User should fail to login and see a message informing them that the username/password combinat is incorrect. Important for security reasons that message does not specify which field w	1. Navigate to login page while not l 2. Enter incorrect username (not in u 3. Enter correct password (for some	User should fail to login, remain in the login page, and see a message informing them they have an incorrect username/password combination				
	User attempts to login with incorrect password	TEST-3	User fill out correct username, but incorrect password field, and clicks the login button. User should fail to login and see a message informing them that the username/passwo combination is incorrect.	1. Navigate to the login page while n 2. Fill out username field with valid u 3. Fill out password with invalid pass	User should fail to login, remain in the login page and see a message informing them they have an incorrect username/password combination				
	User attempts to login without entering username	TEST-4	User neglects to enter a username, but enters a password and clicks login. User shoul fail to login and see a message informing them that they should enter in a username.	1. Navigate to login page while not s 2. Fill out password field (doesnt rea 3. Click login button	User should fail to login, remain in the login page and see a message informing them that they should enter in a username				
	User attempts to login without entering password	TEST-5	User enters in a valid username, but neglects to enter in a password and clicks login. User should fail to login and see a message informing them that they should enter in a password.	1. Navigate to login page while not l 2. Fill out username field with valid u 3. Click login button	User should fail to login, remain in the login page and see a message informing them that they should enter in a username				
	Admins logs in successfully from the login page	TEST-6	Admin enters in a valid username and password and clicks the login button. They should be taken to a special admin welcome page.	1. Navigate to login page while not s 2. Fill out username field with valid a 3. Fill out password field with matchi	Admin should be successfully logged in and taken to a special admin welcome page				
	When not logged in, navbar hides username and profile picture elements	TEST-7	While not logged in navbar should hide the username and profile picture elements located within the navbar	1. While not logged in, navigate to th	Navbar within the welcome page should be absent of any username or profile picture elements				
UC002-Registering	User registers successfully	TEST-8	User successfully fills out all fields and clicks register button. User should be successfully registered and taken to the login page to login to their newly created account.	1. While not logged in, navigate to th 2. Enter in a valid new firstname 3. Enter in a valid new lastname 4. Enter in a valid new age 5. Enter in a valid new username 6. Enter in a valid new email 7. Enter in a valid new password 8. Select user role from role selectio 9. Click signup button	User should be successfully signed up and taken to the login page.				
	User attempts to register without username	TEST-9	User successfully filles out all fields, except username, and clicks register button. User should fail to register, remain in the register page, and see a message saying that they need to enter a username.	1. While not logged in, navigate to th 2. Enter in a valid new firstname 3. Enter in a valid new lastname 4. Enter in a valid new age 5. Enter in a valid new email 6. Enter in a valid new password 7. Select user role from role selectio 8. Click signup button	User should fail to register, remain in register page, and see a message saying they need to enter in a username				
	User attempts to register without password	TEST-10	User successfully filles out all fields, except password, and clicks register button. User should fail to register, remain in the register page, and see a message saying tha they need to enter a password.	1. While not logged in, navigate to s 2. Enter in a valid new firstname 3. Enter in a valid new lastname 4. Enter in a valid new age 5. Enter in a valid new email 6. Enter in a valid new username 7. Select user role from role selectio 8. Click signup button	User should fail to register, remain in register page, and see a message saying they need to enter in a password				
	User attempts to register without email	TEST-11	User successfully filles out all fields, except email, and clicks register button. User should fail to register, remain in the register page, and see a message saying that they need to enter a email.	1. While not logged in, navigate to s 2. Enter in a valid new firstname 3. Enter in a valid new lastname 4. Enter in a valid new age 5. Enter in a valid new username 6. Enter in a valid new password 7. Select user role from role selectio 8. Click signup button	User should fail to register, remain in the register page, and see a message saying they need to enter in a email.				
	User attempts to register without firstname	TEST-12	User successfully filles out all fields, except firstname , and clicks register button. User should fail to register, remain in the register page, and see a message saying that they need to enter a firstname.	1. While not logged in, navigate to th 2. Enter in a valid new lastname 3. Enter in a valid new age 4. Enter in a valid new username 5. Enter in a valid new email 6. Enter in a valid new password 7. Select user role from role selectio 8. Click signup button	User should fail to register, remain in the register page, and see a message saying they need to enter in a firstname				
	User attempts to register without lastname	TEST-13	User successfully filles out all fields, except lastname, and clicks register button. User should fail to register, remain in the register page, and see a message saying that they need to enter a lastname.	1. While not logged in, navigate to th 2. Enter in a valid new firstname 3. Enter in a valid new age 4. Enter in a valid new username 5. Enter in a valid new email 6. Enter in a valid new password 7. Select user role from role selectio 8. Click signup button	User should fail to register, remain in the register page, and see a message saying they need to enter in a lastname				
	User attempts to register without age	TEST-14	User successfully filles out all fields, except age , and clicks register button. User should fail to register, remain in the register page, and see a message saying that they need to enter an age.	1. While not logged in, navigate to th 2. Enter in a valid new firstname 3. Enter in a valid new lastname 4. Enter in a valid new username 5. Enter in a valid new email 6. Enter in a valid new password 7. Select user role from role selectio 8. Click signup button	User should fail to register, remain in the register page, and see a message saying they need to enter in a age.				

	Test Case	Test ID	Expected Result	Steps	Expected Outcome			
	User attempts to register without selecting a role	TEST-15	User successfully filles out all fields, except role , and clicks register button. User should fail to register, remain in the register page, and see a message saying that they need to select a role.	1. While not logged in, navigate to the 2. Enter in a valid new firstname 3. Enter in a valid new lastname 4. Enter in a valid new age 5. Enter in a valid new username 6. Enter in a valid new email 7. Enter in a valid new password 8. Click signup button	User should fail to register, remain in the register page, and see a message saying they need to select a role			
	User attempts to register a username thats already tak	TEST-16	User successfully filled out all fields, except they enter a username that is already taken. User should fail to register, remain in the register page, and see a message say that the username is already taken	1. While not logged in, navigate to the 2. Enter in a valid new firstname 3. Enter in a valid new lastname 4. Enter in a valid new age 5. Enter in a username that is alread 6. Enter in a valid new email 7. Enter in a valid new password 8. Select user role from role selectio 9. Click signup button	User should fail to register, remain in the register page, and see a message saying that the username is already taken			
	User attempts to register an email thats already taken	TEST-17	User successfully filled out all fields, except they enter an email that is already taken. User should fail to register, remain in the register page, and see a message say that the email is already taken	1. While not logged in, navigate to the 2. Enter in a valid new firstname 3. Enter in a valid new lastname 4. Enter in a valid new age 5. Enter in a valid new username 6. Enter in an email that is already ta 7. Enter in a valid new password 8. Select user role from role selectio 9. Click signup button	User should fail to register, remain in the register page, and see a message saying that the email is already taken			
	User attempts to register with age under 0 or lower	TEST-18	User successfully filled out all fields, except they select an age that is 0 or lower. User should fail to register, remain in the register page, and see a message saying that the age needs to be greater than 0					
	User attempts to register with age over 125 years	TEST-19	User successfully filled out all fields, except they select an age that is 125 or higher. User should fail to register, remain in the register page, and see a message saying that the age needs to be less than 125					
	User attempts to register invalid email format	TEST-20	User successfully filled out all fields, except they enter an email with an invalid format, (no domain name, no .com or similar at end). User should fail to register, remain in the register page, and see a message saying that the email is invalid					
	User attempts to input firstname over 255 characters	TEST-21	User successfully filled out all fields, except they used over 255 characters for firstname field. User should fail to register, remain in the register page, and see a message saying that firstname cannot be over 255 characters.					
	User attempts to input lastname over 255 characters	TEST-22	User successfully filled out all fields, except they used over 255 characters for lastname field. User should fail to register, remain in the register page, and see a message saying that lastname cannot be over 255 characters.					
	User attempts to input email over 255 characters	TEST-23	User successfully filled out all fields, except they used over 255 characters for email field. User should fail to register, remain in the register page, and see a mesage saying that email cannot be over 255 characters.					
	User attempts to input username over 255 characters	TEST-24	User successfully filled out all fields, except they used over 255 characters for username field. User should fail to register, remain in the register page, and see a message saying that username cannot be over 255 characters.					
	User attempts to use non-numeric characters for age	TEST-25	User successfully filled out all fields, except they used non numeric characters for age field. User should fail to register, remain in the register page, and see a message saying that age must use only numeric characters.					
UC003-User Profile	Given a user is logged in, accessing the profile page	TEST-26	Given that a user is logged in, when they click the profile picture in the navbar, they should be taken to their profile page.					
	Given a user is NOT logged in, attempting to access th	TEST-27	Given that a user is not logged in, when they (somehow) navigate to the profile page, they should be redirected to the login page					
	Given a user is logged in, viewing the profile page (act	TEST-28	Given that a user is logged in, when they are at the profile page, their profile information should populate and be accurate for their account.					
	User changing username successfully	TEST-29	Given that a user is logged in and at their profile page, when they change their username field and click submit, they should see their username change					
	User attempting to change username to already taken	TEST-30	Given that a user is logged in and at their profile page, when they change their username to an already taken username and click submit, they should see a message saying that the username is already taken					
	User changing password successfully	TEST-31	Given that a user is logged in and at their profile page, when they change their password and click submit, they should see their password change. (subject to change. This one might be tricky to test)					
	User changing email successfully	TEST-32	Given that a user is logged in and at their profile page, when they change their email and click submit, they should see their email change.					
	User attempting to change email but email is already ta	TEST-33	Given that a user is logged in and at their profile page, when they attempt to change their email to one that is already taken and click submit, they should see a message saying that the email is already taken.					
	User attempting to change email but email is invalid fo	TEST-34	Given that a user is logged in and at their profile page, when they attempt to change their email to an invalid email format and click submit, they should see a message saying that the email is already taken.					
	Changing firstname successfully	TEST-35	Given that a user is logged in and at their profile page, when they change their firstname and click submit, they should see their firstname change.					

	Changing lastname successfully	TEST-36	Given that a user is logged in and at their profile page, when they change their lastname and click submit, they should see their lastname change
	Changing age successfully	TEST-37	Given that a user is logged in and at their profile page, when they change their age and click submit, they should see their age change.
	Attempting to change ago to over 125 years	TEST-38	Given that a user is logged in and at their profile page, when they change their age to be over 125 years and click submit, they should see a message saying that their age cannot be over 125 years old
	Attempting to change age to 0 or under	TEST-39	Given that a user is logged in and at their profile page, when they change their age to be 0 or less and click submit, they should see a message saying that their age cannot be 0 or less years old.
	Attempting to use non-numeric characters in age field	TEST-40	Given that a user is logged in and at their profile page, when they change thier age to be something other than a numeric character and click submit, then they should see a message saying that age can only be numeric characters
	User attempts to change firstname to over 255 charact	TEST-41	Given that a user is logged in and at their profile page, when they change their firstname to be over 255 characters and click submit, they should see a message saying that firstname cannot be over 255 characters
	User attempts to change lastname to over 255 charact	TEST-42	Given that a user is logged in and at their profile page, when they change their lastname to be over 255 characters and click submit, they should see a message saying that lastname cannot be over 255 characters
	User attempts to change username to over 255 charac	TEST-43	Given that a user is logged in and at their profile page, when they change their username to be over 255 charactrers and click submit, they should see a message saying that username cannot be over 255 characters
	User attempts to change email to over 255 characters	TEST-44	Given that a user is logged in and at their profile page, when they change their email to be over 255 characters and click submit, they should see a message saying that email cannot be over 255 characters
	User attempts to change firstname to blank	TEST-93	Given that a user is logged in and at their profile page, when they change their firstname to blank and click submit, they should see a message saying that firstname cannot be blank
	User attempts to change lastname to blank	TEST-94	Given that a user is logged in and at their profile page, when they change their lastname to blank and click submit, they should see a message saying that lastname cannot be blank
	User attempts to change email to blank	TEST-95	Given that a user is logged in and at their profile page, when they change their email to blank and click submit, they should see a message saying that email cannot be blank
	User attempts to change username to blank	TEST-96	Given that a user is logged in and at their profile page, when they change their username to blank and click submit, they should see a message saying that username cannot be blank
	User attempts to change password to blank	TEST-97	Given that a user is logged in and at their profile page, when they change their password to blank and click submit, they should see a message saying that password cannot be blank
	User attempts to change age to blank	TEST-98	Given that a user is logged in and at their profile page, when they change their age to blank and click submit, they should see a message saying that age cannot be blank
UC004-Cart	User adding item to cart when logged in	TEST-45	Given that a user is logged in and at the products page, when they select add to cart on one of the products, the product should be added to their cart
	User removing item from cart	TEST-46	Given that a user is logged in and at their cart page with an item in their cart, when they select remove from cart on the product, the product should be removed from their cart
	User removing all items from cart at once	TEST-47	Given that a user is logged in and at their cart with more than one item in their cart, when they click the remove all button, all the products should be removed from their cart-
	User attempting to add item to cart when not logged in	TEST-48	Given that a user is not logged in and at the products page, when they click add product on a product, they should be taken to the login page
	User attempting to add item to cart that is out of stock	TEST-49	Given that a user is at the products page, when they attempt to add a product that is out of stock to their cart, they should see a message saying that the item is out of stock, or otherwise prevented from adding it to their cart
	User adding item that is already in their cart	TEST-50	??? Need to get with team to figure out what behavior we want in this case ???
UC005-Searching for F	User searches for product by keyword	TEST-52	When a user enters a query into the navbar search field and hits the search button, they should be taken to the search results page and see products listed (Separate manual test for seeing if results are arcurate or not)
UC006-Display Produc	Default/welcome page shows products	TEST-53	When a user is at the welcome page, they should see products listed
	Product is out of stock	TEST-55	Given a user is at the products page and an item is out of stock, the user should have some kind of marker showing that it is out of stock
UC007-Checkout	User goes to checkout page with items in cart	TEST-56	Given that a user has items in their cart, when they click checkout while in the cart page, they should be taken to the checkout page
	User successfully checks out	TEST-57	Given that a user has items in their cart and is at the checkout page, when they enter in their payment info, and their shipping info, and their personal info, they should successfully be checked out, recieve some kind of confirmation, and the products should have their quantity reduced by the approriate amount
	User cancels checkout (back to shopping)	TEST-58	Given that a user has items in their cart and is at the checkout page, when they click the cancel checkout button, they should be taken back to the main page with the items still in their cart

	cc# is invalid	TEST-59	Given that a user has items in their cart and is at the checkout page, when they enter in an invalid cc number, they should see a message saying that their creditcard number is invalid					
	Expiration date is invalid	TEST-60	Given that a user has items in their cart and is at the checkout page, when they enter in an invalid expiration date, they should see a message saying that their expiration date is invalid					
	Security number is invalid	TEST-61	Given that a user has items in their cart and is at the checkout page, when they enter in an invalid card security number, they should see a message saying that their security number is invalid					
UC008-Sales/Deals	User can see products on sale at main page	TEST-62	Given that a user is on the welcome page, they should be able to see a list of products that are on sale					
	User adds a product on sale to cart	TEST-63	Given that a user is logged in at the welcome page, when they add an item that is on sale to their cart, the item should be added to their cart at the sale price					
	Admin applying sales to items successfully	TEST-64	Given that an admin is logged in and at the product management page, when they put a product on sale, this change should be reflected on the product for users					
	Admin removing items from sale successfully	TEST-65	Admins should be able to remove items that were previously on sale back to their original price					
	Admin attempting to put item on sale for 100%+ (free)	TEST-66	Admin attempting to put an item on sale for more than 100%+ off, i.e. for free. Should see a message saying that items cannot be put on sale for 100% or more					
	Admin attempting to put an item on 'sale' for more than	TEST-67	Admin attempting to put an items on sale for more than the original price. Should see a message saying that items cannot be marked up					
UC009-Featured Produ	User can see a list of featured products at the main pa	TEST-68	Given a user is at the main page, they should see a list of featured products. Distinct from sale products, these are just *special* somehow I guess					
	Admin adding featured items to featured items list	TEST-69	Admins can login and mark certain products as featured products. These products should then show up in the featured products section of the welcome page					
	Admin removing featured items from featured items list	TEST-70	Admins can login and remove products from the featured products list. These products should then no longer show up in the featured products sections of the welcome page					
UC010-Dark Mode	User can switch to dark mode	TEST-71	Users can click dark mode button in the navbar to switch from lightmode to darkmode					
	User can switch to light mode	TEST-72	Users can click light mode button in the navbar to switch from darkmode to lightmode					
UC011-Quantity Select	When adding an item to cart, user can select a specific	TEST-73	When a user is in the products page, they can select a quantity of product they would like. (not adding to cart yet, just changing the quantity on the product before they add it to their cart)					
	User adding an item of multiple quantity to cart	TEST-74	When a user adds a product with a quantity of 2 or more to their cart, the product is actually added to their cart with the quantity selected					
	User checking out with an item of multiple quantity	TEST-75	When a user checks out with a product with multiple quantity, user should be charged the proper amount, ordered the proper amount, and the proper amount of quantity should be removed from the website's stock					
	User removing an item of multiple quantity from cart	TEST-76	When removing an item of multiple quantity from a user's cart, should properly remove the product. (Probably dont need a separate test case for this, but wont hurt having it either)					
	User changing quantity of item in cart	TEST-77	Given that a user has items in their cart, they can change the quantity of the items in their cart, and see the quantity change to the correct amount					
	User selecting 0 or less as quantity	TEST-78	When a user attempts to change the quantity to 0 or less, a message should display saying that the quantity cannot be 0 or less					
UC012-Resetting Pass	User resetting password successfully	TEST-79	(I think we will cross this bridge when we get to it, same for the rest of the scenarios beyond this point. They are all on the product backlog and not included in this sprint)					
	User attempts to reset password, but fails security che	TEST-80						
UC013-Bidding/Auction	User listing their own item for auction	TEST-81						
	User attempting to list an item while not logged in	TEST-82						
	User bidding on an auction	TEST-83						
	Time runs out on an auction with a winner	TEST-84						
	Time runs out on an auction with no bidders	TEST-85						

UC014-Notifications	User has checked out/bought products	TEST-86						
	User has won an auction theyve bid on	TEST-87						
	User has lost an auction theyve bid on	TEST-88						
	Auction for an item a user has listed has concluded wit	TEST-89						
	Auction for an item a user has listed has concluded wit	TEST-90						
UC015-Flash Deals	Items that are on sale that meet a certain criteria are la	TEST-91						
UC018-Logout	User should be able to logout	TEST-92						
UC016-Tech Support Chat								
UC017-Admin Sales Metrics Dashboard								