Integrated (Parent) Test	Unit (Child) Test	Description	Steps	Test Input / Trigger Actions	Expected Output / Behavior	Test Result
Account	Account Creation (TC_USER001a)	User enters the required account information and the database successfully saves the users credentials and information.	1) User selects "Sign in" button which opens up sign in popup 2) User selects the Register button on the sign in model 3) For each field, enter the following; 1) First Name: John 2) Last Name: Doe 3) Email: johndoe@gmail.com 4) Password: pass 5) Phone Number: 123-456-7890 6) Clicks Register Button	"Register" button pressed.	- New row created in user table with each column populated. - User is automatically logged in - User is redirected to home page	Success
	Account login (TC_USER001b)	User enters their login credentials, the backend verifies their password and email, the user is then signed in.	1) User selects "Sign in" button which opens up sign in popup 2) User enters the following info: 3) Email: johndoe@gmail.com 4) Password: pass 5) User selects the "Sign In" button	"Sign in" button is selected.	- Backend returns success message to frontend - User is signed in and sign in modal is closed - User is redirected to home page	Success
Shopping Cart	Add to Shopping Cart	A user has the ability to find an	1) User signs in 2) User clicks on	"Add to cart" button	- New row created in Cart db table	Success

(TC_USER002a)	item and add it to their cart.	"Kraken Z73 RGB" item in featured list on the front page. 3) User clicks on "Add to Cart" button	clicked	with Item id, quantity, date added, user id, and item price - Cart popup is opened - Item is populated in the cart	
View Shopping Cart (TC_USER002b)	A user has the option of viewing their shopping cart and items they have previously added.	1) User signs in 2) User clicks on shopping cart icon in the top right corner	Cart icon selected	- Cart modal is opened - DB sends json object containing the users cart items - Cart displays all the items that the user has added	Success
Remove from Shopping Cart (TC_USER002c)	A user has the option of opening their cart and deleting an item from the cart.	1) User signs in 2) User clicks on "Kraken Z73 RGB" item in featured list on the front page. 3) User clicks on "Add to Cart" button which automatically opens up the cart 4) User selects the delete icon near the "Kraken Z73 RGB" product.	Delete icon selected	- Cart table in the Database has one less entry and the previous item is no longer present - The cart is updated and the item is removed from the cart in the frontend	Success
Change quantity of item	A user has the option to change the quantity of an	1) User signs in 2) User clicks on "Kraken Z73 RGB"	Quantity is changed	- Cart db table has updated the row for the "Kraken Z73	Success

	(TC_USER00 2d)	item.	item in featured list on the front page. 3) User clicks on "Add to Cart" button which automatically opens up the cart 4) User changes the quantity of the item from 1 to 2 in the cart		RGB" item and now shows the updated quantity - The frontend display the updated quantity	
Check out	User purchases items (TC_USER00 3a)	Once a user has added their items to the cart, they can then proceed to purchase their items.	1) User signs in 2) User clicks on "Kraken Z73 RGB" item in featured list on the front page. 3) User clicks on "Add to Cart" button which automatically opens up the cart 4) User selects "Proceed to Checkout" 5) User populates the Shipping Address form with test values 6) User selects "Next" 7) User selects a shipping method, select the "International Economy" shipping method 8) User selects "Next" 9) User populates the Payment information with test values	"Order now" is selected	- Items in cart are removed from the Cart database table - An entry is created in the Address table with the user id (foreign key), name, street, apartment, province, postal code, and country - An entry is created in the Payment table with the user id (foreign key), card number, expiry date, ccv, and payment type. - A row is created in the Order table with the user id, payment id (foreign key), address id (foreign key), purchase date,	Success

			10) User selects "Order now"		item subtotal, shipping cost, tax, and grand total. - Entries are created in the OrderedItems db table with each row containing a foreign key to the order id, the items id, the quantity of the item, and the purchase price of the item - on the frontend the user is redirected to the order history page and the ordered items are displayed	
Order History	User views order history (TC_USER004a)	A user has the option to view their order history in order to see details of their past purchases.	1) User signs in 2) User clicks on the user profile icon in the top right corner to display a dropdown 3) User selects "order history" button from the dropdown	"Order History" button selected	- Items purchased are displayed	Success
Search	User searches for an item (TC_USER005a)	Being able to search for an item is a very important feature since it allows the user to quickly and easily	1) User selects the Search item in the top right corner to display a popup to enter their search query 2) "Mouse" is inputted	"Enter" key selected	- User is redirected to search results page - All items that contain the search query keyword in	Success

		find an item.	as a search query and the "Enter" key on the keyboard and pressed		their title, description, label ,company, etc and shown.	
Admin Controls	Add Item (TC_ADMIN001b)	An admin has the ability to create a new item to add to the microcomputers site.	1) Admin goes to http://127.0.0.1:8000/admin/ 2) They enter the credentials below: User: admin Password: password 3) Admin clicks "Log in" 4) Admin clicks on "Items" found under "MC_SITE" 5) Admin clicks on "ADD ITEM" in top right corner 6) Admin enters test details for an item 7) Admin selects "Save" button found in bottom right corner	"Save" button selected	- Items db table is updated with a new entry containing the added item	Success
	Change Item Details (TC_ADMIN001a)	Alongside adding an item, an admin also has the option of changing an item's details.	1) Admin goes to http://127.0.0.1:8000/admin/ 2) They enter the credentials below: User: admin Password: password 3) Admin clicks "Log in" 4) Admin clicks on "Items" found under "MC_SITE"	"Save" button selected	- Items db table now shows the item with the updated info	Success

			5) Admin selects an item 6) Admin changes one of the fields 7) Admin selects "Save" button found in bottom right corner			
	Remove Item (TC_ADMIN001c)	An admin has the option of removing a specific item from the microcomputers site.	1) Admin goes to http://127.0.0.1:8000/admin/ 2) They enter the credentials below: User: admin Password: password 3) Admin clicks "Log in" 4) Admin clicks on "Items" found under "MC_SITE" 5) Admin selects an item 6) Admin selects "Delete" button found in bottom left corner	"Delete" button selected	- Items db table is updated with one less entry, the item is no longer present.	Success