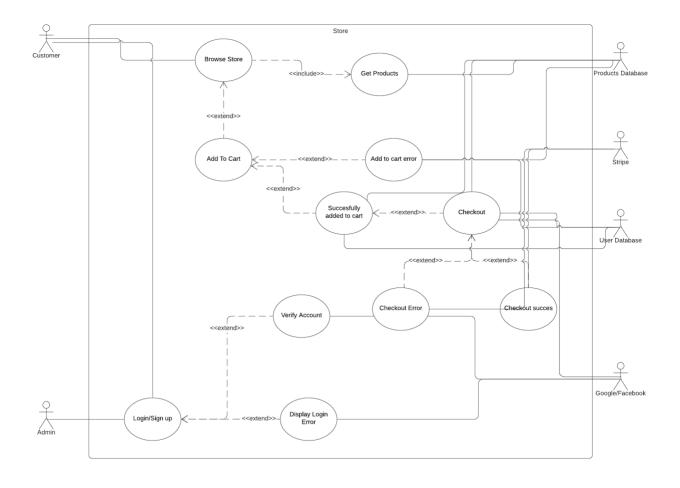
SOFE 3650 - Fall 2021 Software Design and Architectures Project progress report

Electronics Online Store

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Use Case	Description
Browse Store UC-1	This is the bread and butter of our store. This
	is where the user can browse our selection of
	products available for purchase. The products
	and their associated information is stored on
	our database and subsequently fetched and
	displayed from our frontend.
Get Products UC-2	This is where the frontend of our application
	will fetch our products and their associated
	information in order to display it.
Add to cart UC-3	The user can select a product to add to their
	cart along with a quantity. The cart will
	update the cost accordingly if the products are
	available in their requested quantity.
Add to cart error UC-4	If the items are no longer available.
Successfully added to cart UC-5	If the item is available, it will be added to the
	user's cart and the cart will be updated
	accordingly.
Checkout UC-6	This is where the user can begin the checkout
	process. Final checks of the product's
	availability as well confirmation that the user
	is logged.
Checkout Success UC-7	If the user is logged in, the items are in stock,
	and the user payment has gone through
	successfully then their purchase is confirmed
	here.
Checkout Success UC-8	If any of the above conditions are not met,
	then there will be a relevant checkout error
	presented to the user.
Login/Sign up UC-9	Here users and admins can login and sign up
	using their google or Facebook accounts.
Login Error UC-10	If google or Facebook login was unsuccessful,
	an appropriate error will appear.
Verify account UC-11	If google or Facebook login was successful,
	the user or admin will be logged in with the
	appropriate permissions.

Id	Quality Attribute	Scenario	Associated Use Case
QA-1	Security	When a user makes a	UC-6, UC-7, UC-8,
		payment, their	UC-9, UC-10, UC-11
		payment information	
		and transaction must	
		be processed in a	
		secure and lawful	
		manner. All	
		regulations must be	
		followed during this	
		process.	
QA-2	Performance	The user must have a	All
		seamless experience	
		when accessing the	
		website. All	
		interactions must be	
		executed elegantly	
		with accurate and	
		performant	
		functionality through	
0.4.2	A '1 1 '1'4	a beautiful UI.	A 11
QA-3	Availability	The Databases and	All
		third-Party services	
		must be always	
OA 4	Modifichility	available 24/7.	All
QA-4	Modifiability	All components of	All
		the system must be modularized and	
		separated systems.	
		For example, the	
		payment processor	
		that we chose, stripe,	
		should be swappable	
		with another with	
		another service like	
		square with relative	
		ease.	
		0430.	

ID	Constraint
CON-1	The application must run as intended on
	Chrome, Firefox, Safari and Edge
CON-2	All the users purchase history must be stores
CON-3	Before processing a payment, the system must
	be certain that the item/items being purchased
	are in stock
CON-4	A relational database must be used
CON-5	User should be tracked on the website to
	create a model of their interests for marketing
	purposes
CON-6	The user must be informed about this tracking
	and storing of information and must be
	presented with an option to opt out