

Ecommerce System Assignment

Team 7

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Requirements Review

Please complete the following tables indicating which of the mandatory requirements you have completed. In cases where there is an issue or you interpreted the requirement in a specific way, please use the comment field to clarify the issue / your interpretation. In the status column indicate whether each requirement was: COMPLETED (you did it), NOT STARTED (you didn't do it), PARTIAL (you did part of it).

General Requirements Progress

Req. #	Title	Comment	Status
G0	View the Products Currently on offer		Completed
G1	View details about a particular product		Completed
G2	Add a product to their shopping cart		Completed
G3	Remove a product from their shopping cart		Completed
G4	Search for a product.		Completed
G5	Create a customer account		Completed
G6	Log in to their account.		Completed

Logged in Customer Requirements Progress

Req. #	Title	Comment	Status
C0	Go to the checkout to purchase orders in their shopping cart.		Completed
C1	Use a (fake) payment portal to pay for their goods.		Completed
C2	View their order history		Completed

Logged in Owner Requirements Progress

Req. #	Title	Comment	Status
O0	Login via the same interface as (G7)		Completed
O1	Add products to the shop		Completed
O2	Hide existing products (that are no longer available)	The owner can hide the product but once the page is refreshed the item returns	Partial
O3	View all orders		Completed
O4	Change the state of orders		Partial
O5	Edit their product details.		Completed

Technologies Used

Describe any additional (beyond those covered in the module) technologies you have used in the project. Use as much space as you require to do this, explaining where/how each technology is used in the project.

Additional Requirements

Describe any additional requirements you have completed above and beyond the spec of the project. Use as much space as you require to do this.

In the details of each of the products an image is associated with it. If there is nothing in the customer's cart they are not able to checkout and they must add products into the cart before being able to check out. The fake payment portal also must be filled out to checkout more like an actual portal rather than leaving all the fields blank. To login or register the form must be filled in or the user will get an error and have to try again. Also the forms to add new products must be filled in if they are adding a new product. All forms on the site must be filled in or the user or owner will get an error.

Additional requirements we tried to implement, were a new products table in the owners page to see what products they added.

Req. #	Title	Comment	Status
A0	Product Images	Images added to each product in details.	Completed
A1	Customer Cart and checkout Security	Additional cart and checkout security (doesn't look as fake)	Completed
A2	Form Validation	Made sure there were no null fields in any forms on the site.	Completed
A3	New products table	Newly added products table in the owners page.	Partial

Summarise these requirements using the requirements table below.

Req. #	Title	Comment	Status
A0	Product Images	Images added to each product in details.	Completed
A1	Customer Cart and checkout Security	Additional cart and checkout security (doesn't look as fake)	Completed

Reflections

Please summarise your experiences on the project: what did you learn; what challenges did you have to overcome; what would you have done differently if you could have started over.

DO NOT WRITE MORE THAN ONE PAGE

During the few weeks we had on working on this project, we managed to have learnt a lot from this very time-constrained module which had some clear impact in adding to the difficulty. There was a good amount of challenge in learning the new technologies that were introduced to us in this module. There were some technologies that most of us were not familiar with and came across for the first time. Some of these new technologies were Spring Boot and Thymeleaf. These in combination with JavaScript and SQL were challenges that cropped up but found interesting going into the project. Fortunately, some of us had previous experiences in web design from the optional module from the 2nd year or outside of college.

Some of the few challenges we faced were not being able to implement the ideas we had thought up and put into the final design. One example is for the owner's admin page. We wished to have been able to see a list of products that were newly added separately from the products in the data repository. Some of the reasons we were not able to achieve this was mainly having to go against time and Java not liking the way we tried to implement it. This was not the only time in which us trying to materialize our ideas lead to being unsuccessful. Another example of this problem was when we were trying to hide products from the list without deleting this from the data repository. We were able to partially implement in hiding a product from the table but refreshing the page will restore it. Our idea was to have a separate list of products that clones all the products found in the data repository, and then let the product page use that list as the model rather than the repository itself. This way we can remove from the list and therefore hide products in the table without removing actual data from the database. This is the reason why we only completed this requirement partially.

So, to offset the requirement(s) that we could not complete. We made more effort in adding some additional requirements outside the mandatory ones. Some of these requirements were either for better visual or clarity towards the user interface. We followed a colour palette that is gentle to the eyes while not too flashy. We have a simple form validation that checks if you are typing in the correct inputs for the different forms found on the website. Simple things that could make a user's experience better when browsing through the website.

If we were to start the project again, we would undeniably decide to start the project earlier than previously, as time was a key issue in making the project completely the way we wanted it to be. But it was not too big of a deal as we as the group worked well together and cohesively as a team even in these difficult times.