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Semester Project 2

Student Name

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Design

What went well on the project

Since design is most critical part of project, I gave little extra time. I went with same theme provided from school, e-commerce which sells sports shoes for men. But I eventually went on to add categories for women and kids shoes as well.

After I decided on theme, color pallet was next and I went with grayish mixed with very light yellow. I choose also my primary for CTA as blue but more to purple side and followed other colors in complementary color pallet.

Typography was next, I thought for sports and fun shoes shop, I would like slightly curvy yet elegant fonts would be nice choice for my headings. After browsing Google fonts, I came across "Tenor sans", very stylist and yet elegant font I found to be perfect for my theme combining with "Signika negative" for everything else on page. Signika also are curvy sans and fits perfect with Tenor and my site theme. I went on only with 2 fonts since NOSO doesn't hold lots of content on website.

Layout was another part where I carefully thought out items. Home page, men, women, kid's page, cart page and login page for admin section.

Layout mostly follows 1200px across of screen with 3 columns grid.

After I decided on theme and layout I gave brand name "NOSO sports". Noso sports are online store which sells branded sports shoes for men, women and kids as brand identity.

What was difficult/didn't go well on the project

Layout, I found to be most difficult in project. As per user experience, I wanted my user to navigate easily on website and checkout easily.

I changed Hero probably 5 times, since I didn't plan out from beginning. I at the end went to create clip path to achieve desired hierarchy.

What would you do differently next time

I think I will need to give more time on my design phase. Since many things were not planned from beginning and added later in project, which eventually affects overall design and time consuming and redesigning overall.

Technical

What went well on the project

SASS/BOOTSTRAP:

To start with tools, I decided to go with SASS/bootstrap setup. Sass I used mostly to divide my CSS pages and some manual styles. I then downloaded bootstrap and imported styles which I was using.
I added my custom styles with sass and also modified btn, form and modal classes from bootstrap to fit my custom theme.
For bootstrap I choose to use responsive classes like containers, row, cols, flex etc. Added also some other classes for forms, shadows and utilities. I avoided inline styling instead extended classes with sass which I found out to be very effective.

JAVASCRIPT

For technical, I divided project in 2 part, customer front and admin front. I started with admin front followed with customer front. . I divided my JS in pages, storage, general functions and render.

Admin front-end
I first deployed strapi app on heroku app as per level process 2. I made the entire fetch request and used JavaScript modules.
I am filtering category which I added back in strapi and fetching products according to category. I am using same render function for all the categories just filtering different fetch request.
After admin logs in, it's redirected to page from where she came. On navbar I use dropdown once admin logs in. In dropdown, I also added add product and logout button to not affect my overall design.
Add product page admin gets to add product with image and also must choose category before adding product. I user double fetch request since I found it to be most easy and function I know. First image gets added to upload endpoint, grab id and add that id to products end point. I also added image extra field of alt text in Strapi so it always get alt text. I also use button for featured item which will be added to home page in featured section.
Admin can also delete products from if logged in.
For editing product admin can edit product from any of products page. For put request I am again using same double fetch request rather different than post request. I am first checking if image value is empty or not. If no image I added or empty than I am passing existing image id in query string and returning

same image. But if admin adds new image in same product then form makes post request only for upload endpoint while put request for product endpoint and connects with newly added image.
One thing I notice that it take some time for fetch request to finish, I wanted to give indication to admin that something is in progress. So I went to add modal loader. When admin completes form submission modal loader will cover whole screen which will not allow user to anything on page while fetch request going on. I think this is most important aspect I achieved for user experience to not allow user to click multiple time to break my api and continues feedback for user actions.
I also went to added modal loader for the entire fetch request though out whole site for login, delete and adding product page to further improve user experience.

Customer front-end

For customer front end, I used local storage to add item to cart. When user clicks on product it directs them to specific product. At product specific page modal will pop up to choose size of shoes if size not chosen If same product chosen quantity will be updated in cart. Else product gets added and modal pops up notifying if user wants to continue shopping or want to navigate to cart page. For complete use experience, I also added live cart update which shows user cart quantity and shows to product that item is in cart already with green badge. User also can remove item from cart from this page. Which I feel give better user experience.
Next cart page is divided in 2 sections. Overview of product bought with total price and quantity. On left products which are added to cart. User also can delete, and update quantity of product they bought, which will also update cart icon and order overview with updated price and quantity live. I feel this give extra attention to details and better user experience.
On products page user also gets "in the cart" badge if product is already in cart which further improves UX of overall site.
User all can search products and sort them by price at products page.
I also added slider/carousel at homepage which fetches product images and changes with fade effect. My featured product at home page and carousel are sharing same fetch request with filter method which I found it effective way of doing it.

What was difficult/didn't go well on the project
Put request with image I found it to be most difficult. I used 3 days for one function and then come up with most effective idea.
Updating quantity and live cart icon updated in navigation was another aspect where I found out to be most difficult part.
User feedback while post and put request, were hardest to achieve since there isn't much resources available online regarding this topic.

What would you do differently next time
Well as I mentioned in design, many things I went on to add in middle of production phase which led me to redo many things like category, size select, live quantity and cart update function, modals etc. which I found out to time consuming and frustrating at the times.
I can definitely improve to plan out design better.

References

Inspirations:

https://www.boozt.com/
https://www.skoringen.no/kurv
https://www.zalando.no/

Typing effect home page:
https://css-tricks.com/

Clip path hero banner home page:
https://bennettfeely.com/clippy/

Typography:
https://fonts.google.com/

Icons:
https://fontawesome.com/