USER INTERFACE DEVELOPMENT

ASSIGNMENT 3

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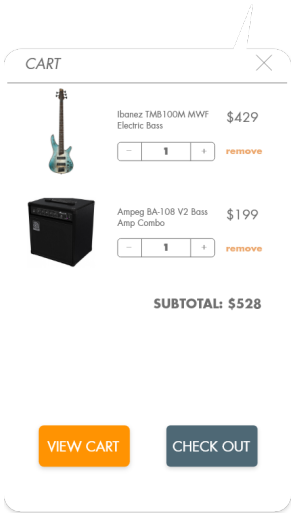
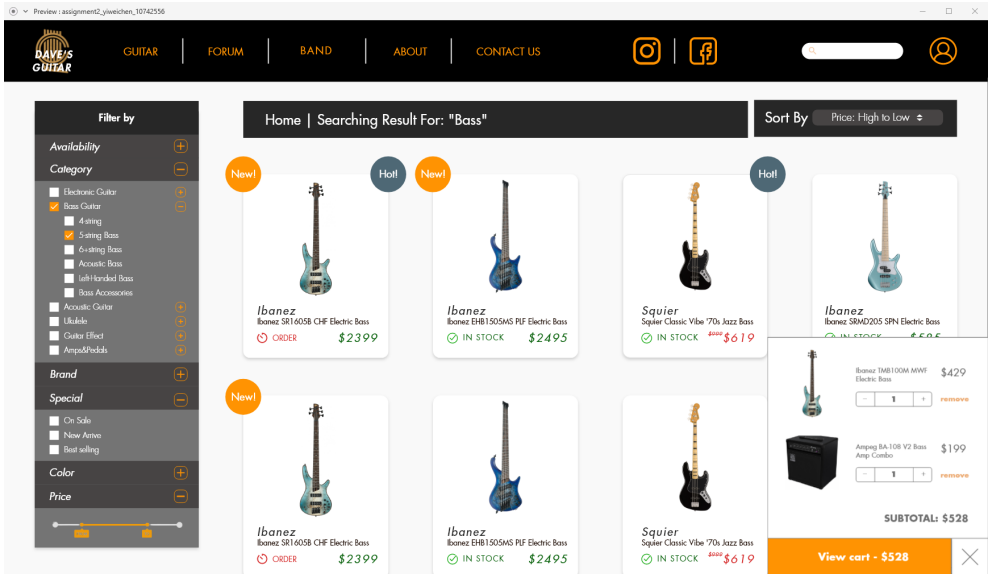
Overview of the Project

Info20005 class focuses on how to design web pages and then implement them in code. My entire project is an online shop for guitar shops. The functions of the online guitar shop include browsing and searching for guitar-related items and ordering guitar-related items online. As the shop has a physical presence, there is the option of shipping or self-pickup. The website has a forum where users can post reviews and thoughts on guitars, which will also appear on the corresponding guitar product pages. The forum is also a place to discuss any questions you may have about guitars and, in general, gives users a place to express their opinions and discuss freely. Secondly, there is a band section with information on many bands and sells some band t-shirts, albums etc. You can even buy tickets for live shows of some bands.

Inprovement I made

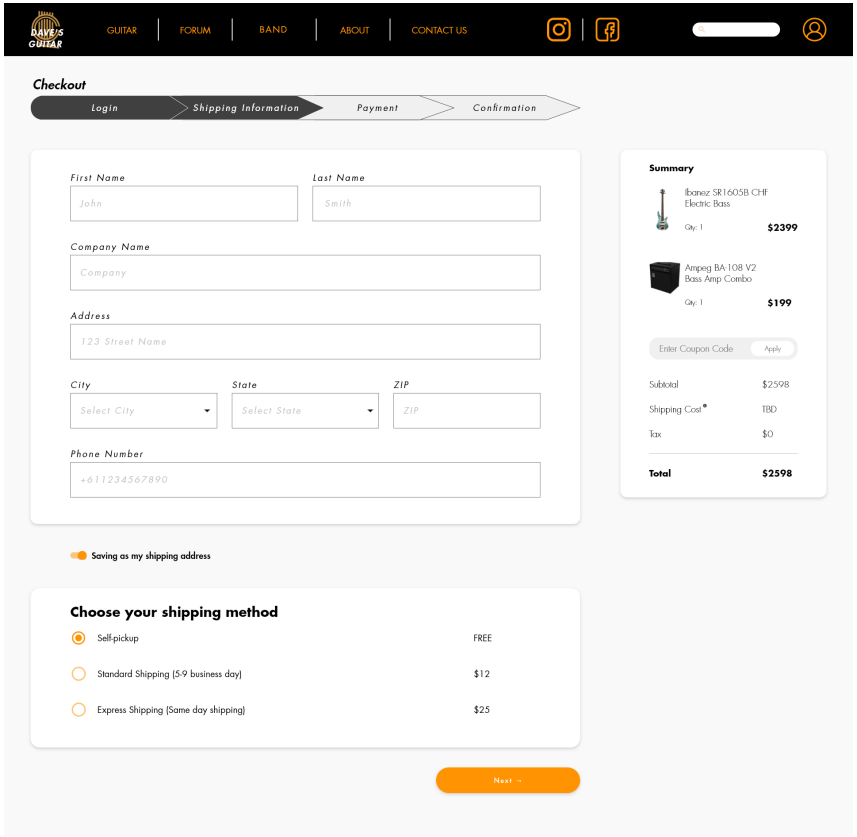
I didn't make too many changes to my website, including the font colour scheme which I had already decided on during assignment2. I only changed a few components, such as the shopping cart, which I had initially designed in the shape of a chatbox, but I felt that it didn't fit in with the style of my site, so I just turned it into a square, which I thought would look cleaner and I didn't want to have too many elements on my site, as too many elements would make the user feel tired and it would also look incongruous.

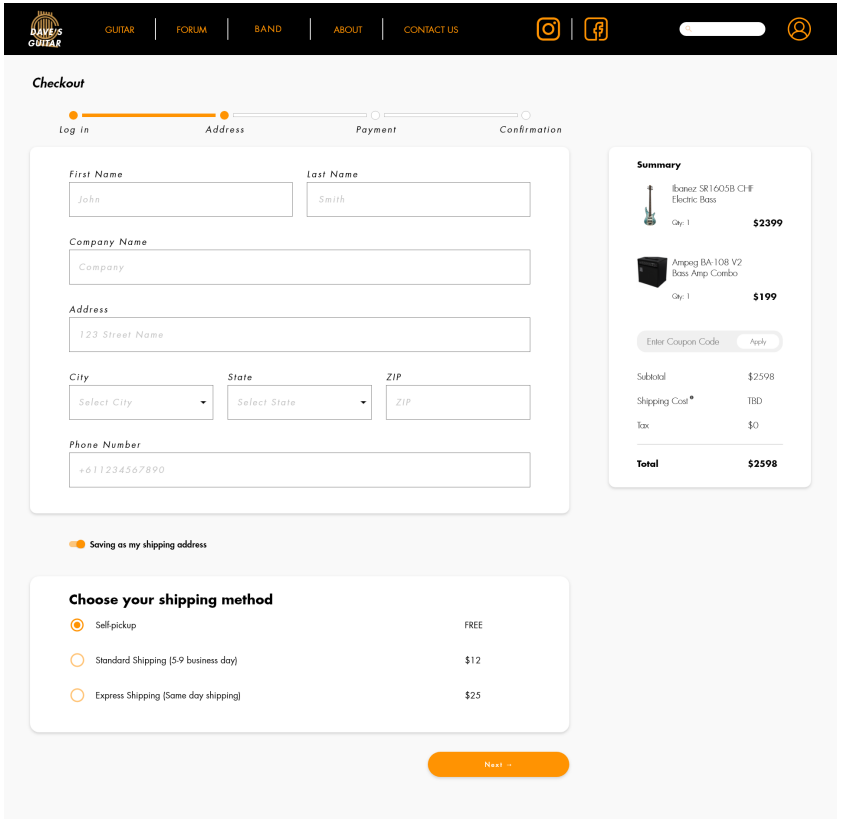




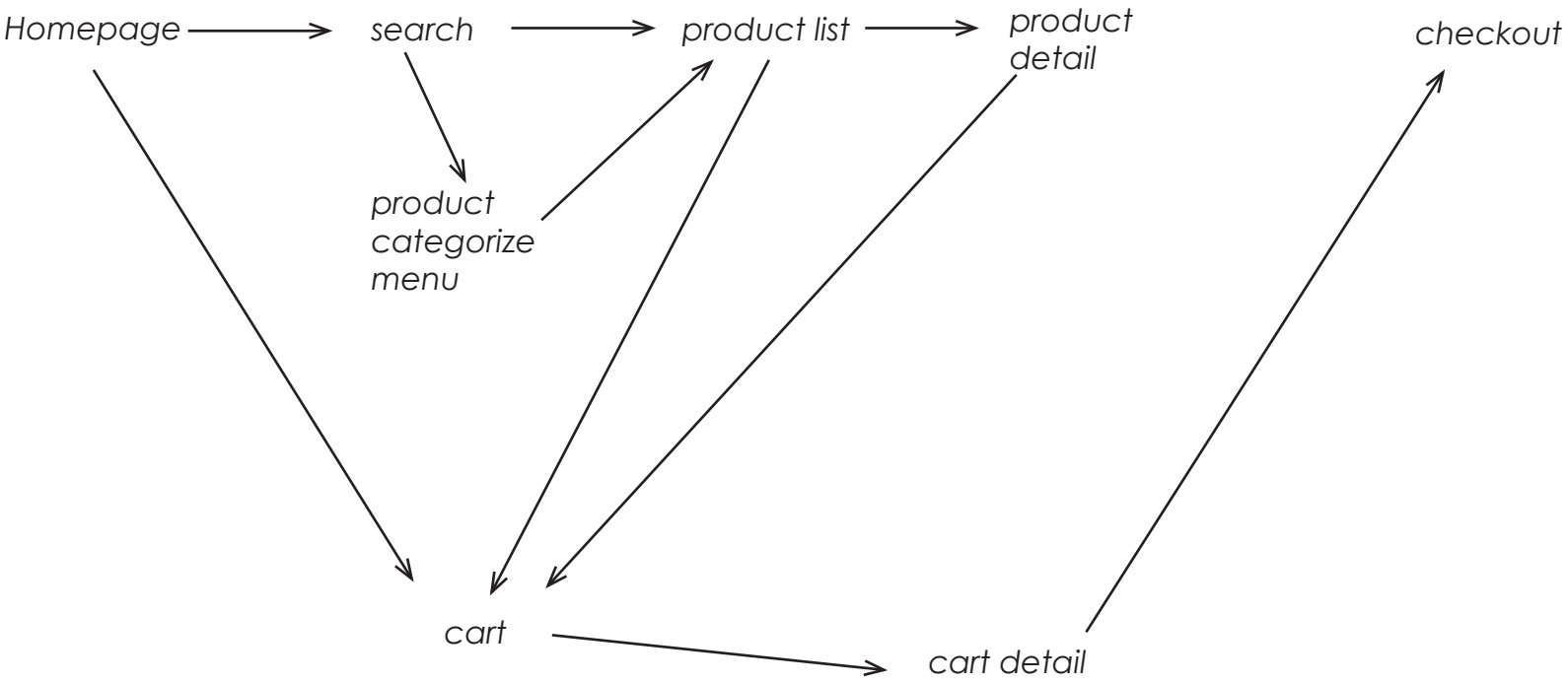
Inprovement I made

Secondly, I was going to change my progress bar, and figure 2 shows my changed progress bar, but I thought it looked a bit unbalanced and ended up changing it back to my original progress bar, but if I had to choose, I like both of them, so maybe I'll use them as an alternative.





Site map



The homepage is the starting point for everything. From the homepage you can search or sort the menus to select the products you want to buy. In the product list you can add products to your shopping cart. The shopping cart is placed in the bottom right corner of every page (except the checkout page and the cart detail page).

Code file describtion

I used JavaScript, HTML and CSS programming languages to complete this assignment. Instead of writing all and files together, I have a separate file for each page. For example, the homepage has a different CSS and HTML file, and each checkout page has a dedicated CSS and HTML file. As a result, there are no problems with duplicate class names, and it is easier to change some details when you want to.
I only have one page with a js function, many features are not implemented, but I will get to that later. Added a feature to the shopping cart page that does add and subtract the number of items.
I created a separate 'colour.css' file that immediately declares a lot of the colour code I will be using and can be referenced directly in all the CSS files.
I was going to use import google font but didn't find the font I wanted to use in my file. So after learning to use @font-face to put the font I wanted to use at the top of the CSS file, it was easy to reference the font.

Code file describtion

I referenced a site called font awesome in my file, which has many icons and logos. It was easier to import the images for clarity and change their colours than to find them myself, as they are in code to be changed in the same way as the font colours.
I almost use flex in my code, which I think would be simpler and more convenient. Some parts need to be moved that I use position:relative, but this shouldn't be used much, it affects the responsiveness.
I spent some time writing my progress bar as it is not a regular shape. I ended up creating a rectangle first, adding a triangle before and after using ':before:after' before finally getting a form like an arrow indication. The way I searched the internet to draw triangles with CSS is a clever way to create a triangle if the border of a point is made wider.
I used the button effect and toggle I learned in class in my work, a straightforward but helpful code.
I also saw a check effect on codepen, which I modified and added to my work.
This was my first time writing web programming. I hadn't written much other programming before, it was a tricky process, and I browsed many other people's code and learned a lot from it.

Reflection

My whole project is not too finished. First of all, I didn't finish all the pages, I had a total of three assignments due at the same time on the DUE day, and I couldn't extend the assignment, so I had a problem with scheduling. I spent a lot of time in the beginning just watching coding videos but not writing, so I started a bit late. On reflection, I think this was the wrong approach. Afterwards, I felt that I could learn faster by writing and learning simultaneously.
Apart from the pages not being finished, some of the features that appeared in my previous project I removed because I cannot write the code to implement them—for example, the collapse component, drop-down content, etc.
In the end, I didn't write any responsive code. I probably knew how to do it. Resize the page and adjusting the layout, but I didn't have the time to write that code.
Since I couldn't write a hovering cart, there was no way to go directly to the cart from the home page, so I turned what should be the account icon into a cart icon.
There are many things I need to improve in this project, including my time management skills when doing homework. Secondly, the most basic and essential thing is programming skills, which I think will take some time and can't be done in a short period. I will browse some other people's web design and code in the future, learn from other people's code and design works, improve them, and incorporate them into my work.