

ITEC4012 - Assignment 2 - design document - Jacob Lapish

For this assignment I chose to replicate ikea.ca. It is a website I am familiar with, use regularly, and had components that I felt I could recreate with confidence in order to give off a similar feel to the original.

The pages I chose to replicate were the home page and the rooms page. I chose the home page because it has a lot of potential components that are all displaying different info, as well as it being the main hub for the website. I also chose the rooms page because it had the potential to show off a highly reusable component as well as some interaction.

In order to avoid hard coding data into each component, I created some dummy databases using json files that my replica reads and displays according to each component. If these json files are edited then the components will automatically update for the new info and display the new information.

I chose to create the following components for the following reasons.

- Header
 - Important for navigation
 - High reusability
 - Website recognition
- Footer
 - High reusability
 - Ease of implementation
- Room display
 - High reusability
 - Implement some interactivity
- Recently viewed items
 - Instead of displaying recently viewed items, the user will be able to select a room from the rooms page and the recently viewed items component will update displaying it for them acting as a sort of history for the user
- Miscellaneous Scrollable components on the home page
 - The original IKEA home page has lots of scrollable displays that the user can look through to find specific items and sections, I implemented those in the form of my own scrollable components
- Information cards
 - IKEA's home page also is scattered with little informative cards that would regularly link you to another part of the website for a more informative purpose rather than a browsing/shopping purpose, these were implemented on my home page in the form of info cards