

# Eastlink E-commerce application - Avinash Gazula

Deployment URL: <https://eastlink-ecommerce.netlify.app>

Repository: <https://github.com/avinashgazula/eastlink-ecommerce>

## TechStack Used:

1. [Next.js](#): Chosen for Server side rendering, helps with SEO, We can do prefetching and preloading as we load a lot of images and SSR helps with speed and performance
2. Tailwind and Daisy UI: Used for customization
3. Sonner package- Used for toasts.

## Running the application:

The application can be accessed at <https://eastlink-ecommerce.netlify.app>,

To run the application locally, clone the repository, install the packages and run the application.

npm install

npm run dev (for dev environment)

npm run build & npm run start (for production environment)

## Time Spent:

Total time spent is ~6 hours, This includes spending time planning the design and choosing the tech stack.

For the design, inspiration was taken from [eastlink.ca](https://eastlink.ca) and [uniqlo.ca](https://uniqlo.ca) websites and I have applied my own design features to it.

All the images were taken from <https://www.istockphoto.com/> and the logo was taken from [eastlink.ca](https://eastlink.ca)

A simple API was built by just reading the data from JSON files so all the data is retrieved dynamically and can simply be replaced by an API request.

## Challenges:

1. I had some challenges with the carousel, the animation I added on scrolling down on the home page added some complications.
2. Had to resolve some issues with hydration mismatch with the cart functionality.
3. The default colours I have chosen for the app conflict a bit with the default colours for the skeleton from daisy UI so the loading pages for the application look a bit darker than intended

4. Haven't deployed to Vercel before so had some issues with the config and the URL for the API and switched to netlify.

### **Compromises:**

1. The transitions are imperfect if you scroll to the last slide in the carousel and scroll down and then back up, I had to make this compromise for a smoother animation for the default slide.
2. The product detail page is basic, I compromised on this page to improve the performance and design in the home and product pages.

### **Features that can be improved:**

1. Search functionality searches both name and description, this is not sorted by name, so the results might not show the name first if the name matches
2. Authentication functionality can be added so the cart information is independent.
3. Pagination can be added to the products catalog.
4. The featured collection can be changed to a MAsonry grid so it can take any number of images.
5. SUscription to newsletters can be added
6. Checkout functionality can be added.
7. Proper API can be used to connect to the database to retrieve all the data

### **Feedback:**

I think the assignment was straightforward with no strict design and technical limitations so it lets me showcase my skills in a unique way without fixed restrictions. Looking forward to getting feedback on my implementation of this application.