Good Morning & welcome to my ecommerce MERN stack presentation. I will be presenting an application that will allow any store, regardless of size or product sold the ability to provide a consistent online experience for consumer’s in spite of current or future situations.

Having seen so many small retail stores close during quarantine, my focus was driven to attempt to provide a flexible, low cost, self-manageable e-commerce product for small to medium size business

A second ago I mentioned MERN so before I demo my applicating, let me briefly tell you what it is. It is a 3-tier architecture which combines frontend, backend and the database with the use of Mongo, Express, React and Node.

## Frontend

### React, in conjunction with HTML and CSS allows us to create a dynamic web application contributing to a more enjoyable user experience with greater functionality. Though there WAS not as much time spend as I normally like on the user interface I would like to mention that I incorporated a CSS grid layout.

## Backend

### The back end, which runs inside a Node server allows for Express to provide handling of requests and responses through the user of powerful libraries.

## Database

### And the database, this is where our application will store all its information such as inventory, pricing or user information. In this case we are working with a Mongo Atlas database.

# Demo

Allow me to demo the site: Upon arriving at the site, the user will be provided with the ability to create a profile. While in the signup process, if a duplicate or invalid email is entered, the user will be notified.

## Login

### Once you have registered as a user, you are able to log on with your personal username and password where you are provided with access to the dashboard.

### Keep in mind that it is a MERN application, the appearance including logo, menu and layout can easily be adjusted without affecting the performance and functionally of the site.

# Dashboard

While in the dashboard, a list of items will display along with details such as pricing and ratings as well as a photo. You will also see a warm greeting welcoming the user while also allowing them to easily identify the fact that they are logged in.

## (Item)

### Should you wish to see more detail on an item, simply click on the item where you can see additional description and whether the item is in stock.

### The (add to cart) button adds the item just as it indicates and you will see the cart number reflected just above.

# Cart

When in the cart, you will see the items previously selected allowing you to confirm the quantity and cost. Then proceed to checkout where payment options will be provided

# Future

I would like to share a bit about what I envision for the future of this app but first let me share with you the fact that I hesitantly entered into this project alone so that I might see what I was truly capable of. I usually work on the UI and feel stronger about my skills on the front end but I needed to assess what I was able to do with regard to the server and database side and I was pleased to see that I managed to complete a large portion of the application. That being said, in the future, I intend to return to this project to address the UI in more detail. It is also my desire to create the interaction between a public API which would allow for online payment as well as adding to the options displayed in the UI allowing for a more refine search such as women’s shoes or children’s clothing.

Finally, I intend to add an administrative interface where the organization can add items kept in stock with details such as description, pricing and such.

As you can see it is still a work in progress…

Are there any questions?