Web/Mobile Programming- Project Increment :2

Project Title: Ecommerce Website

Group No: 14

Team Members:

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Background: Today, everyone uses an e-commerce website every day to buy something from the comfort of their home. Therefore, we are trying to create an e-commerce website where end users can buy products using a web programming language. On our website, users can view products on the main screen, search for the product they need, add it to their shopping cart, and pay for the product to be delivered to the desired address.

Value:

The owners of small businesses are our primary target audience. Our app will assist them in boosting and expanding their business. Using our application, they will be able to reach the greatest number of customers. For example, restaurant sales from walk-in guests are $7000 in the summer, but in the winter, when it snows, it drops to half that amount, or even to 20%. Our application will assist these business owners in maintaining sales during this difficult time, and in exchange, we will charge 20% of the total order. This will also benefit delivery drivers, as they will be able to make money by delivering orders to clients.

Idea: E-cart is a product delivery software that allows users to order their favorite items online. It is a user-friendly and trustworthy program that even non-technical folks can use. Both users (customers and vendors) will gain from this software, as well as the business of numerous stores.

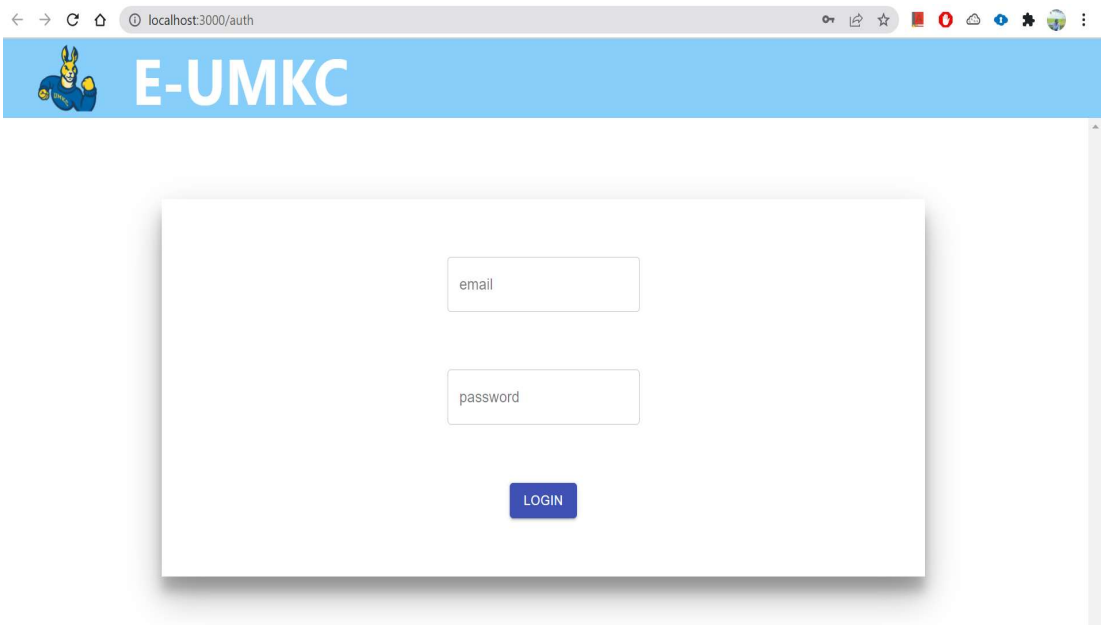
New Features:

1. Multiple payments:
   In e commerce websites there is no option to split the cart but in this we have a option to select the amount and multiple payments with different cards

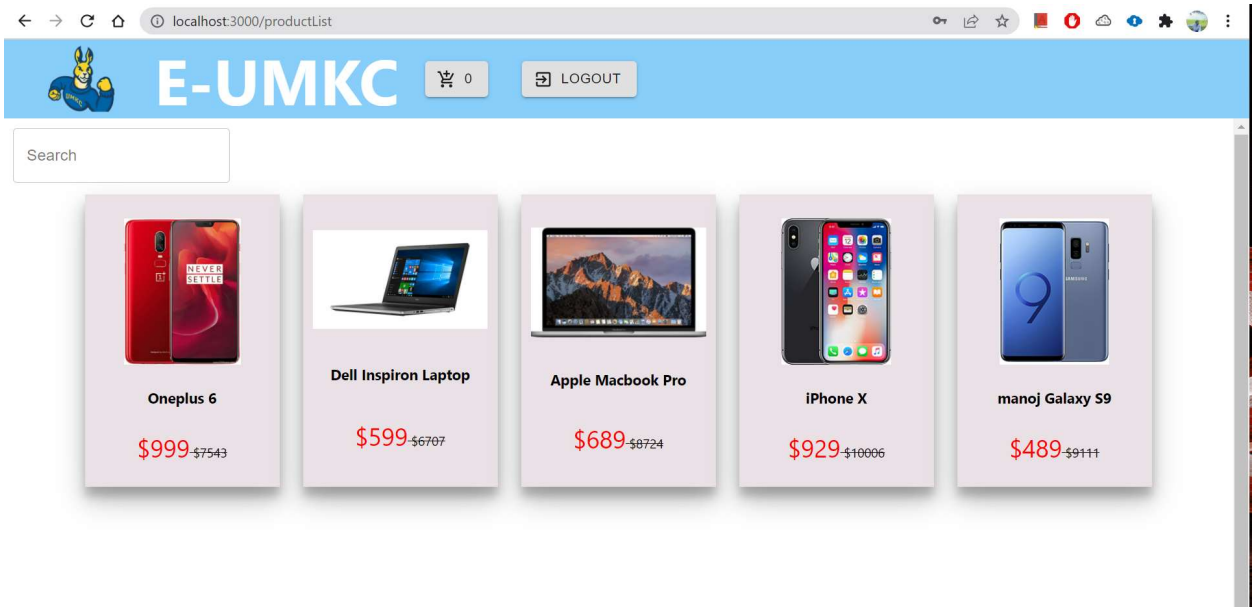
2. Multiple address:
   In today's ecommerce websites we will be ordering multiple products and we have a extended functionality to deliver the products to multiple address for the same cart.

Application Screenshots:

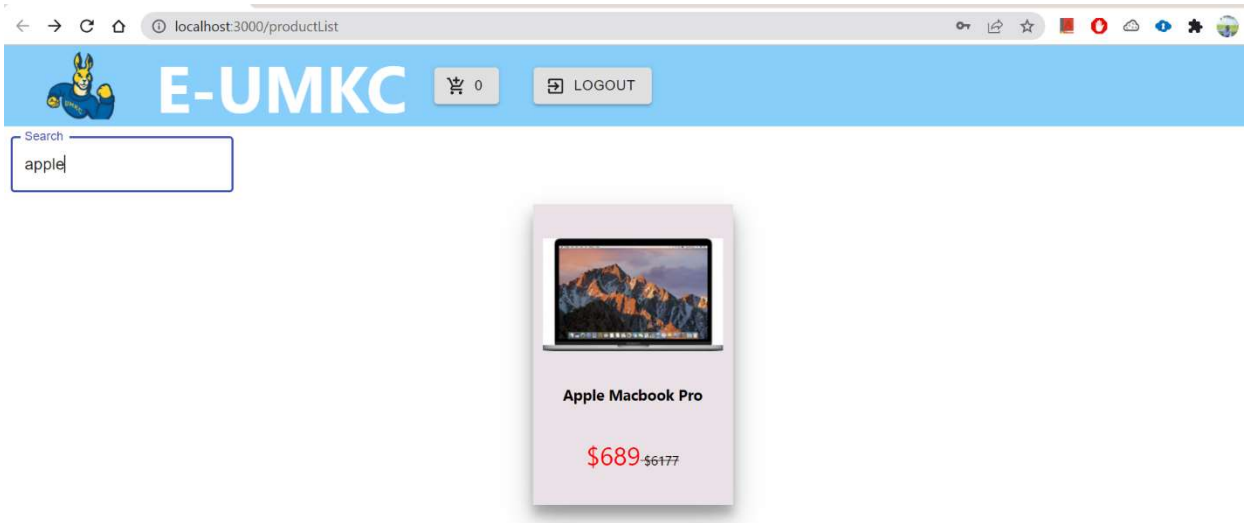
1. User login Page: User can enter their login details to see and add the products in to cart.



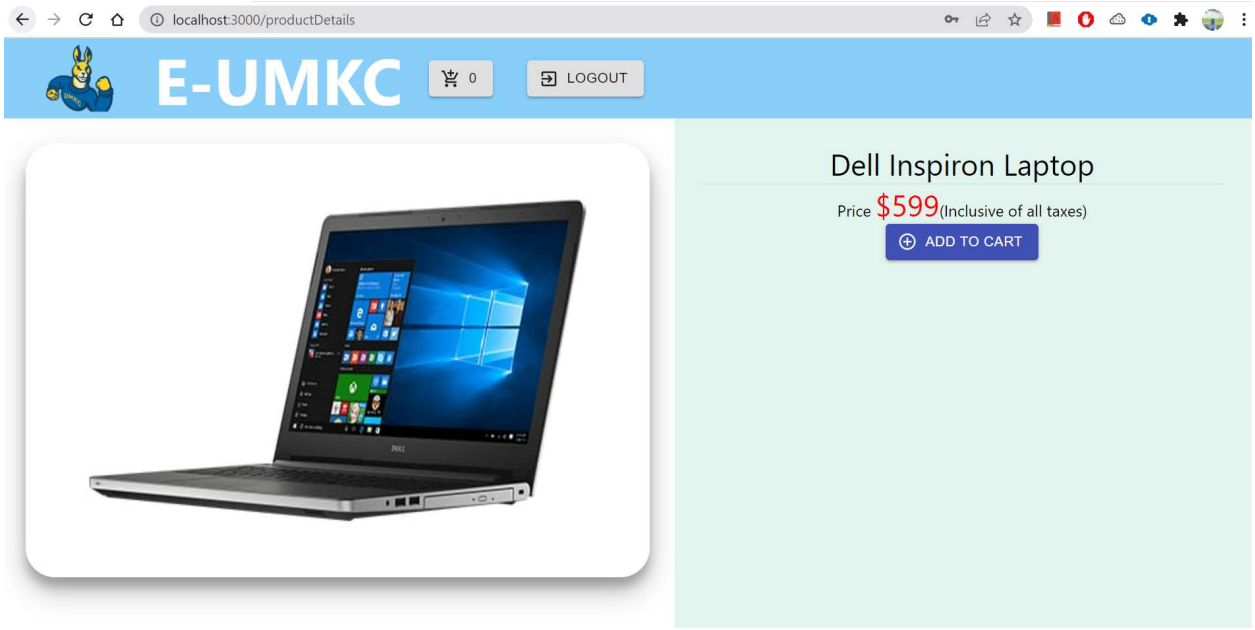
Upon Login user can see as in below screenshot.



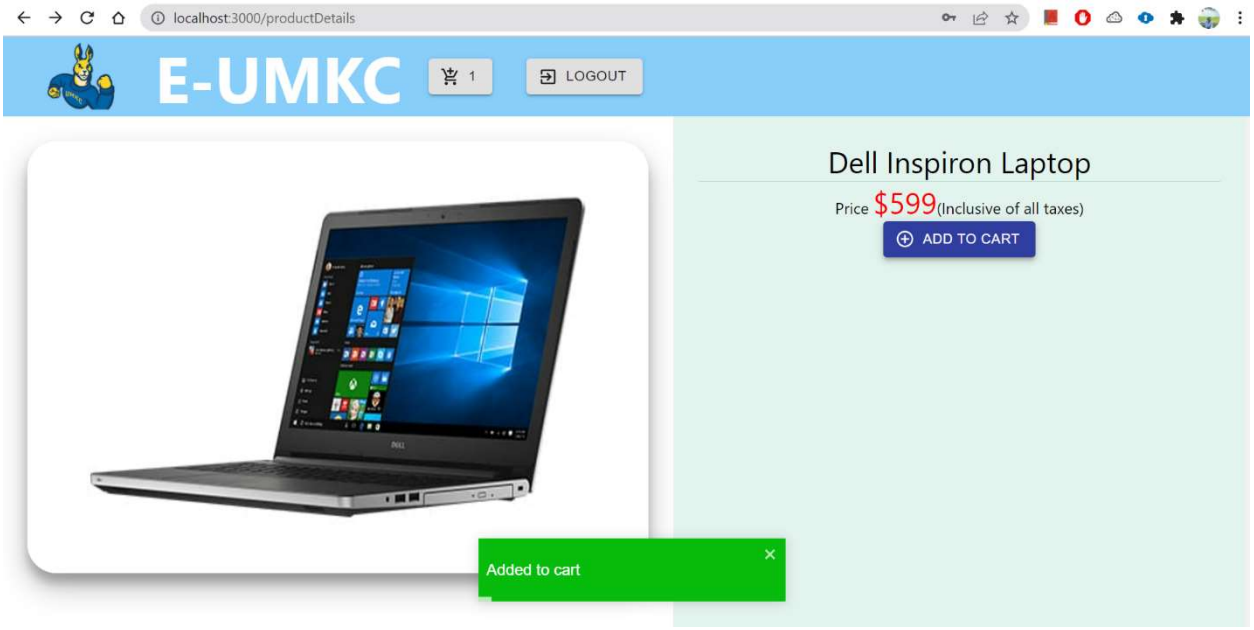
2. User can search for the products they wish to buy. Here in this below screen we have search for apple, so all the products related to apple will show up.

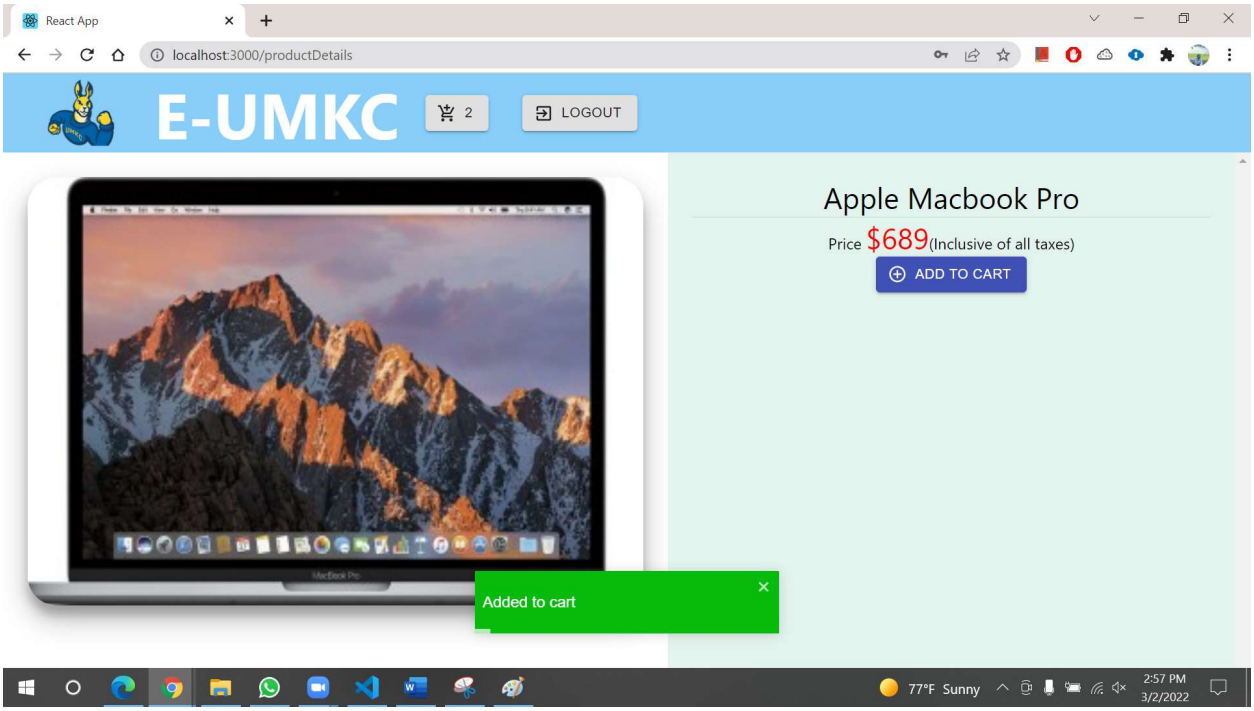


3. Product Selection: User can add all the products they wish to purchase by adding them to cart.

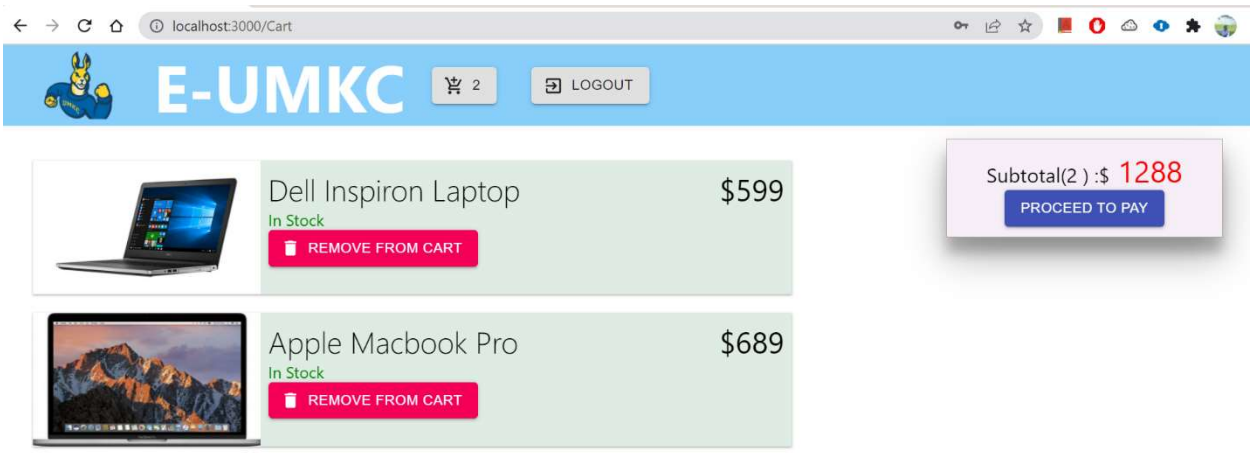


4. Add to cart: To add a product to cart we need to click on add to cart button.

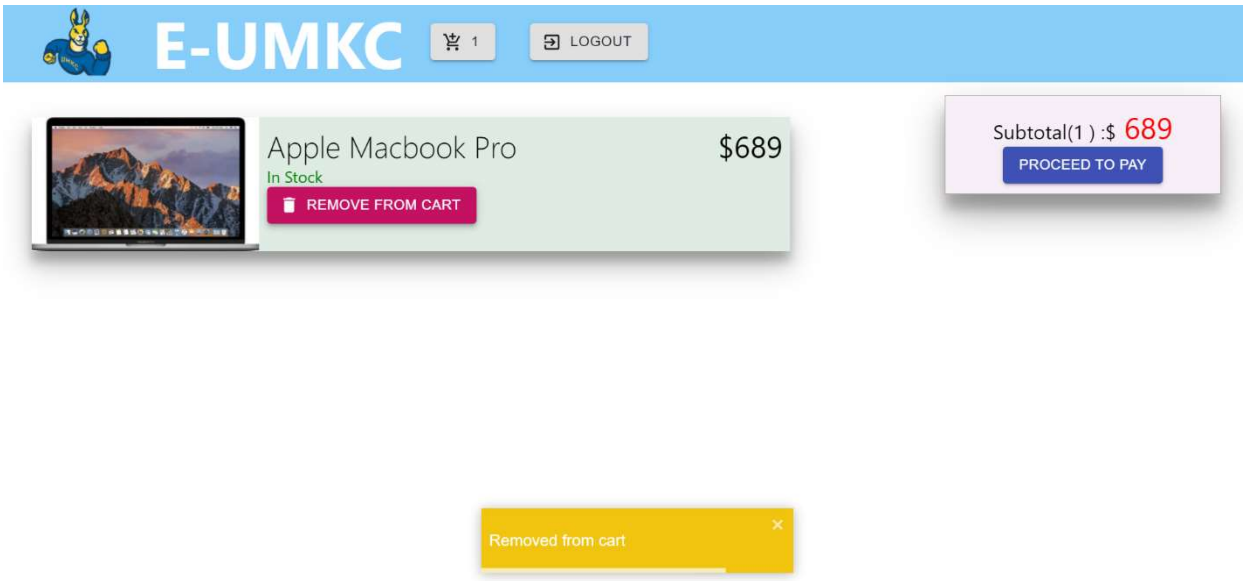




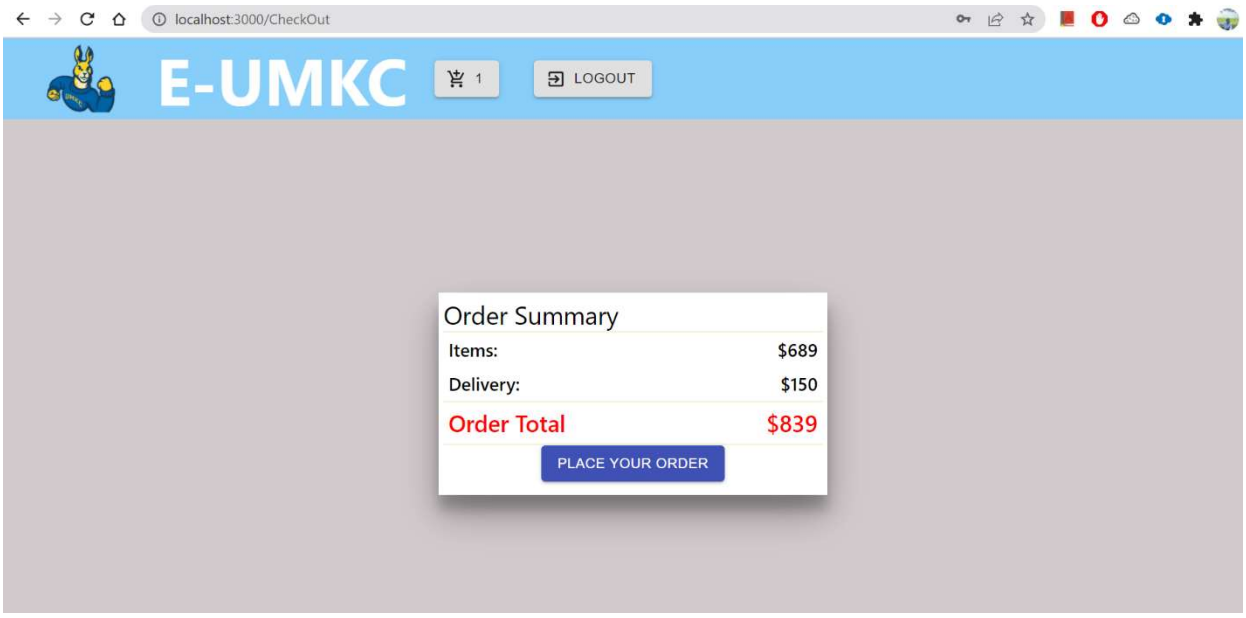
5. List of products added to cart: We have added two products to cart and clicked on cart symbol to see all the products in cart. Also if we look deeply in to the cart symbol we can see the number of products available in cart.



6. Remove from Cart: If the user wish to remove any products, they can simply click on the remove from cart button beside the respective product and the product will be removed from cart.



7. Proceed to Pay (Place your order): Once everything is good, user can proceed for payment by clicking on proceed to pay button.



Future Work:

- Payment Gateway API – Currently we are in discussions about which payment gateway to use. In the next phases of development, we will include a payment gateway into the project.
- CSS modifications – We will try to use a few more stylings to increase the view of the application. We will use a customer-centric and user-friendly approach while we make styling changes to the pages.
- Database to MongoDB - We will use MongoDB as our backend database to store the user information, the product catalog, prices, orders information. We are using MongoDB because it is faster and it is scalable.

GitHub Link:

https://github.com/bhanumanojbade/web-project

References:

To understand the HTML: https://www.w3schools.com/html/default.asp

To have knowledge about JavaScript:

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide/Introduction

To build and use APIs using NodeJS:

https://nodejs.org/en/docs/

To know more about how a payment interface works:

https://developer.paypal.com/docs/online/

https://razorpay.com/docs/

Regarding installing and managing databases:

https://docs.mongodb.com/guides/

Understanding more about e-commerce website development:

https://webflow.com/blog/ecommerce-website-development