LaSalle College
Montréal

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Shopping Cart

By

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Introduction :

This project contains the model for the Online Shopping System, including all the models This model addresses the development of an online shopping System, that allows suppliers to sell their products directly online to customers. It is provided as a UML example covering the analysis of the business The goal is to show the UML brings to analysing and designing a system that corresponds to the initial requirements.

The basic idea of the online shopping system is that the customer can buy products online.It contains the details of all the products,system security,status of the orders.

Context:

Why are you doing the project?(discuss the existing problem or opportunity)

An online shopping site to manage the item in the shop and also help customers purchase the items without visiting the shopping mall They can buy any thing from anywhere at any time. The online shopping will be using internet for selling their products on website and the products will be lower prices than compare to other competitors.

What are your learning expectations/goals?

Our expectations are to learn JavaScript, to comprehend JavaScript library and Nodejs as well as.

1) **Methodology**

Online Shopping is a form of electronic shopping store where the buyer is directly online to the seller's computer usually with the help of internet.The sales and purchases transaction is completed electronically and interactively in the real-time . The user gets his/her email id and password to access their account.Administrator of the shopping cart system has multiple features such as Add ,Delete,Update shopping cart, they will manage all the orders and the customers.

Requirements collection

Customer:

1) The Customer can view the website without login, he/she can add the products in the cart and when they want they can view the product details,reviews from other customers.
2) If they want to buy the product they must have to login into their account then they can go to the cart and place an order and make a payment.
3) Customer cannot modify the database.
4) They can add/delete items in the cart.
5) They can make a wish-list for the products.
6) At any time they can delete their order.
7) Can modify the cart.
8) Can ,modify the delivery address.

Administator:

1) The admin can control the entire database.
2) For modify database he/she have to login then they can enter into the website.
3) Can make a report.
4) Can add/delete products
5) The main role of the admin is to safeguard the database.
6) Admin can also control the unauthorized user.

Warehouse Clerk:

1) Must have to login into the account
2) This clerk will maintain the products in warehouse.
3) He will be responsible to delivery the item to the correct address.

Inventory Manager:

1) Must have to login into the account.
2) He will be managing the products in the inventory.
3) He will be making the clear report on the number of products in the inventory.

Accounts Clerk:

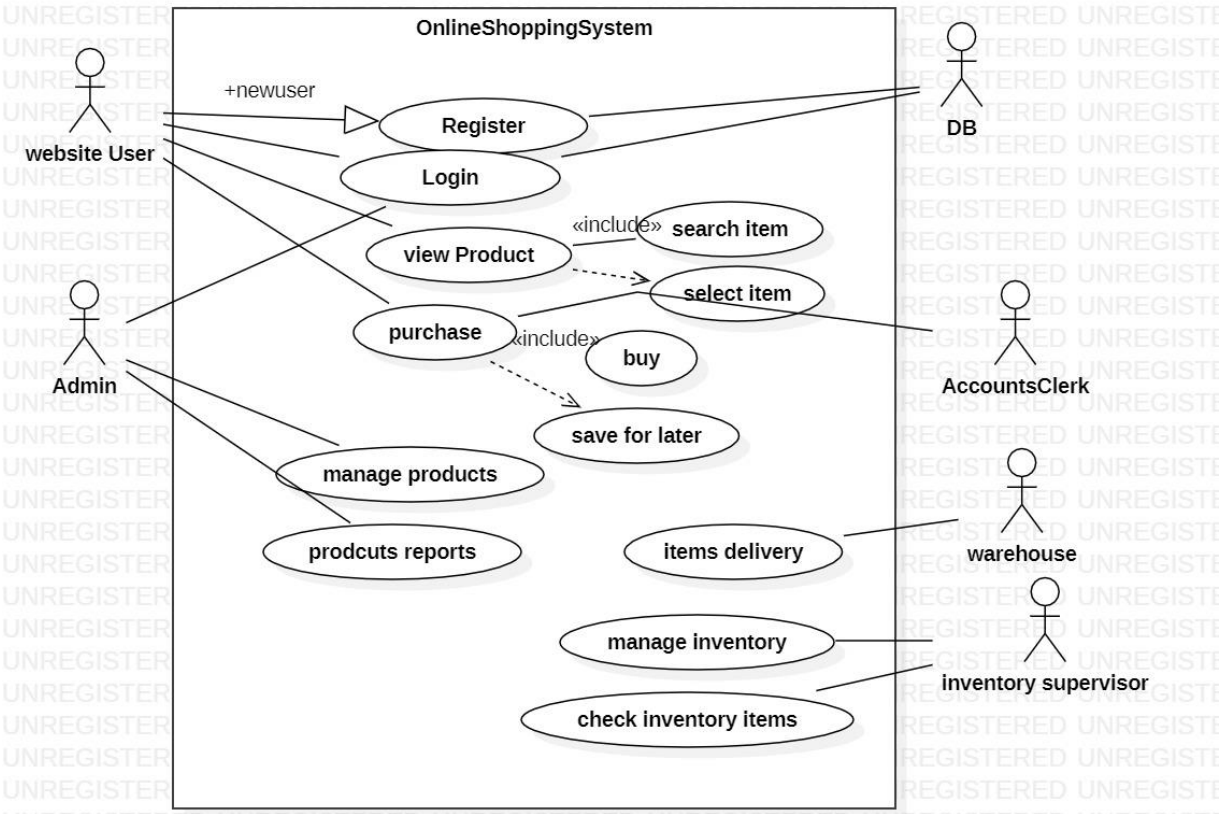
1) Must have to login into the account.
2) He will be managing the payment methods.
3) Check the accounts
4) He can view the customers purchase.

Suggested solution

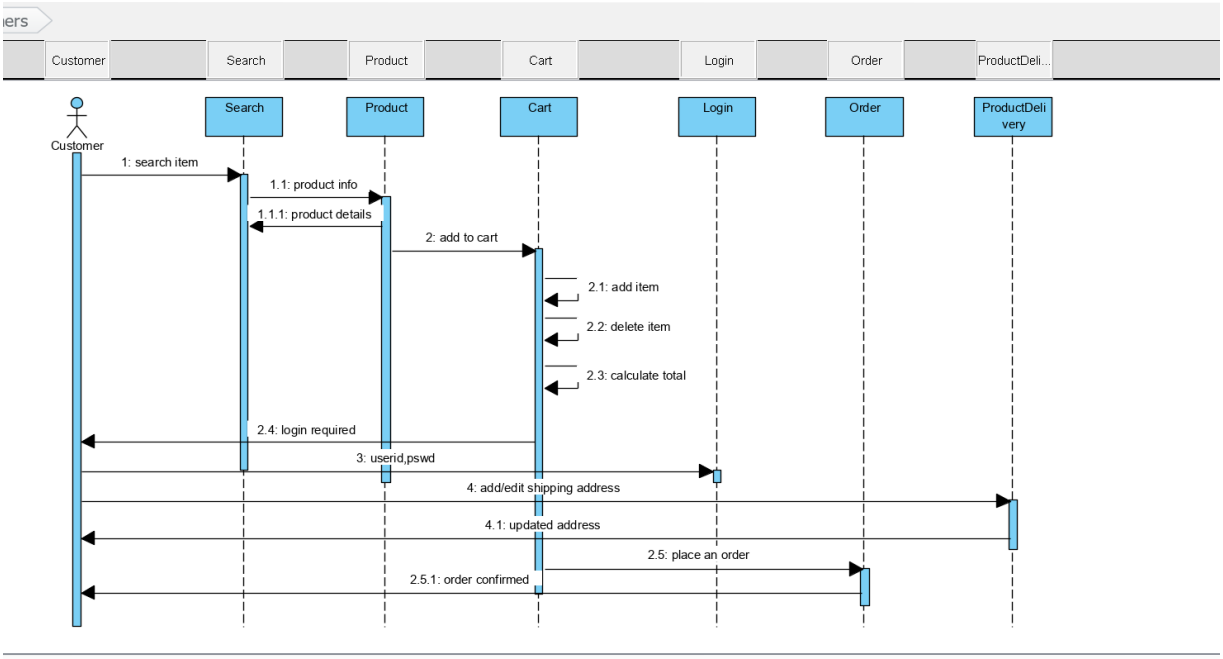
Architectural design (example:Client/Server)

UML (attach any diagrams)

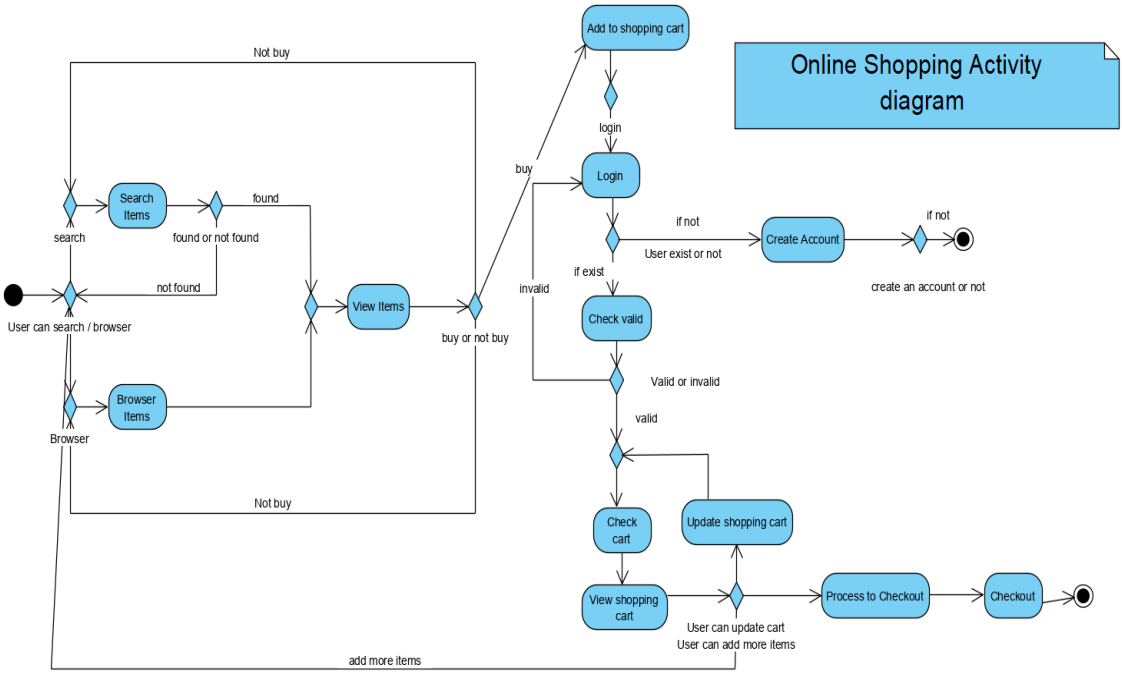
Use case:



Sequence Diagram user:



Activity Diagram Customer:



Tools and software used :

Platforms: Nodejs

Frameworks: HTML, CSS, JavaScript

Software: VsCode

Plugins: Nodejs

Database: Firebase

Browser: Chrome

Projects/Tasks

List the different functionalities(elaborate)

- Registration

  A new user will have to register in the system by providing essential details in order to purchase products.

- Login

  A user must login with his user name and password to the system after registration.

- View Products

  The user can view the list of products based on their names. A detailed description of a particular product with product name, product image, price can be viewed by users.

- Search Product

  Users can search for a particular product in the list by name

- Add to cart

  The user can add the desired product into his cart by clicking add to cart option on the product. He can view his cart by clicking on the cart button. All products added by cart can be viewed in the cart. User can remove an item from the cart by clicking remove arrow

- Submit cart

After confirming the items in the cart, the user can submit the cart by providing a delivery address. On successful submitting the cart will become empty.

2) Finalized Solution

Register new user:

Description of feature

A new user will have to register in the system by providing essential details in order to view the products in the system. The admin must accept a new user by unblocking him.

Functional requirement

System must be able to verify and validate information.

The system must encrypt the password of the customer to provide security

User Login

Description of feature This feature used by the user to login into system. A user must login with his username and password to the system after registration. If they are invalid, the user not allowed to enter the system.

Functional requirement

Username and password will be provided after user registration is confirmed.

Password should be hidden from others while typing it in the field

Purchasing an item

Description of feature

The user can add the desired product into his cart by clicking add to cartoption on the product. He can view his cart by clicking on the cart button. All products added by cart can be viewed in the cart. User can remove an item from the cart by clicking remove. After confirming the items in the cartthe user can submit the cart by providing a delivery address. Onsuccessful submitting the cart will become empty.

Functional requirement

System must ensure that, only a registered customer can purchaseitems

Challenges

Connection to database.

Fetch data from database.

Using Nodejs

Conclusion

Reflection (Learning attained)

This project has not been completed so far, the problem is the database connection. But in this project, we learned how to use NODEJS, and use JSON to store data, and we learned how to use JAVASCRIP. But we will continue to complete this project

Proposed improvements:

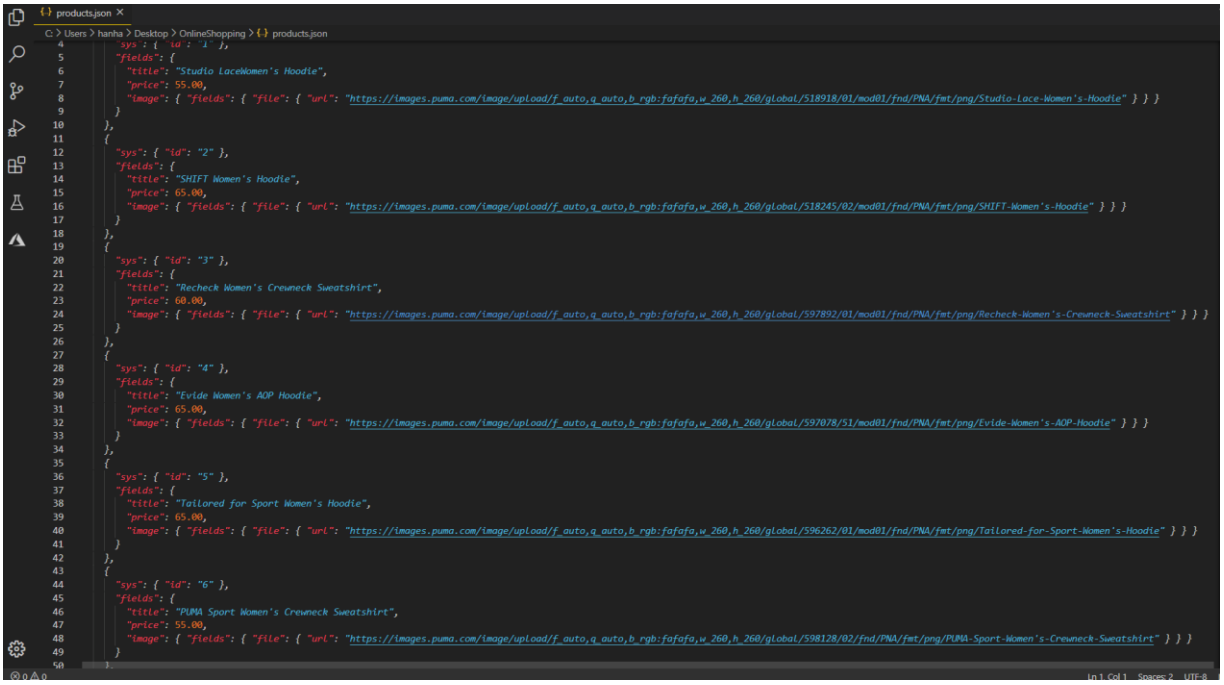
Need to improve database

Bibliography

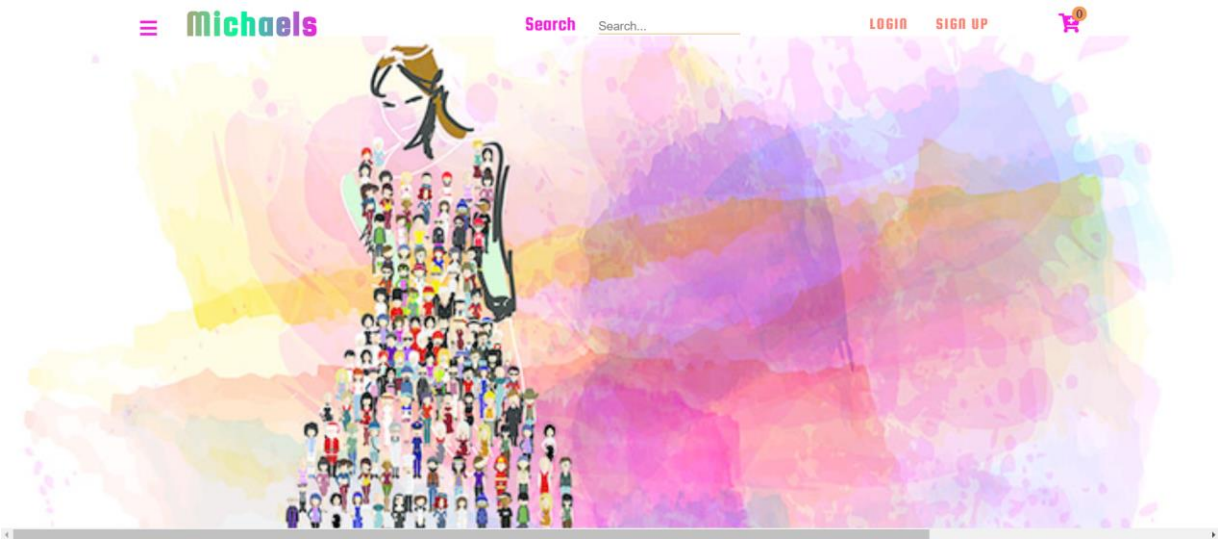
https://firebase.google.com/docs/
https://www.javatpoint.com/
https://nodejs.org/en/

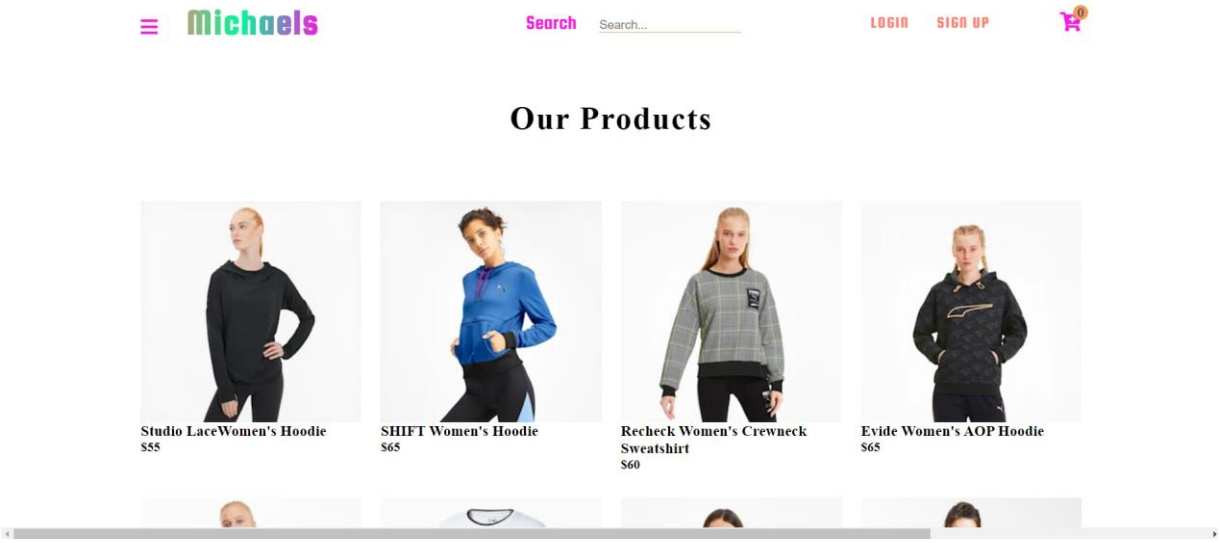
Appendix

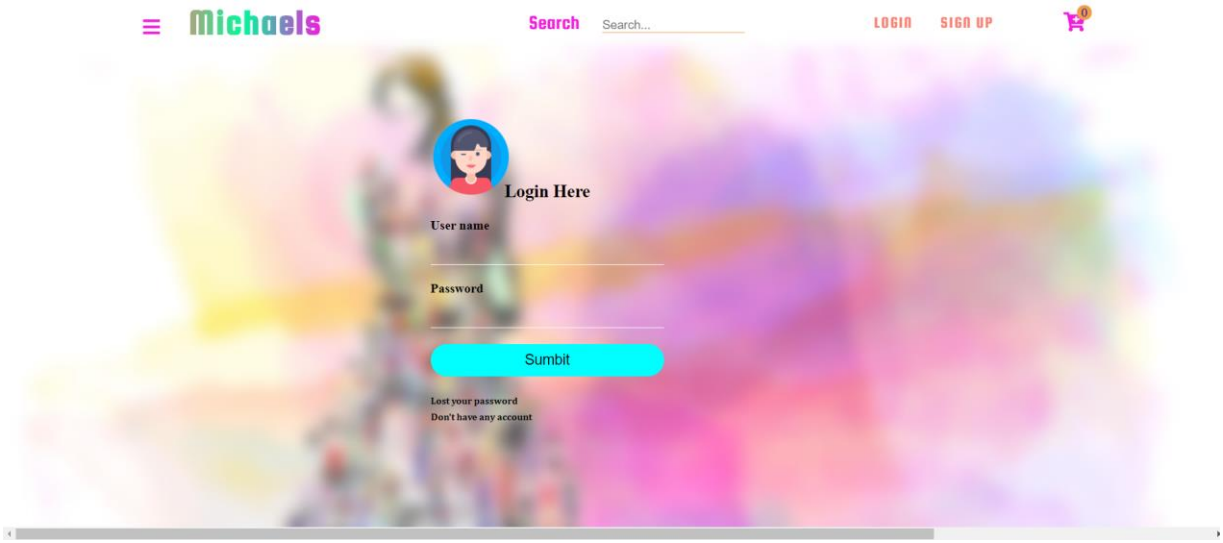
Diagrams and tables



Screen shots (interfaces)



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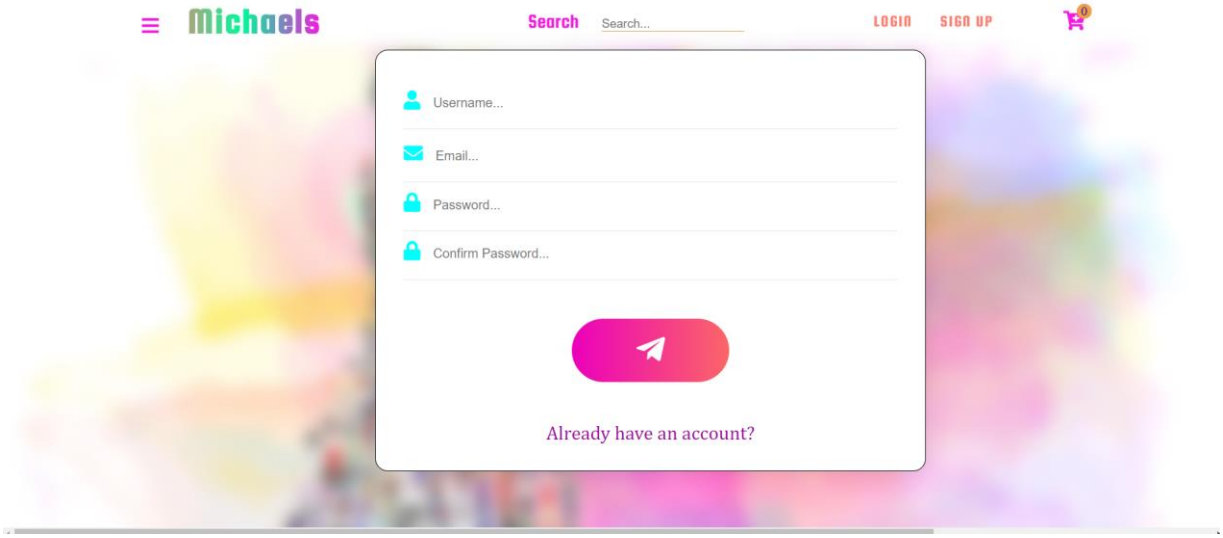
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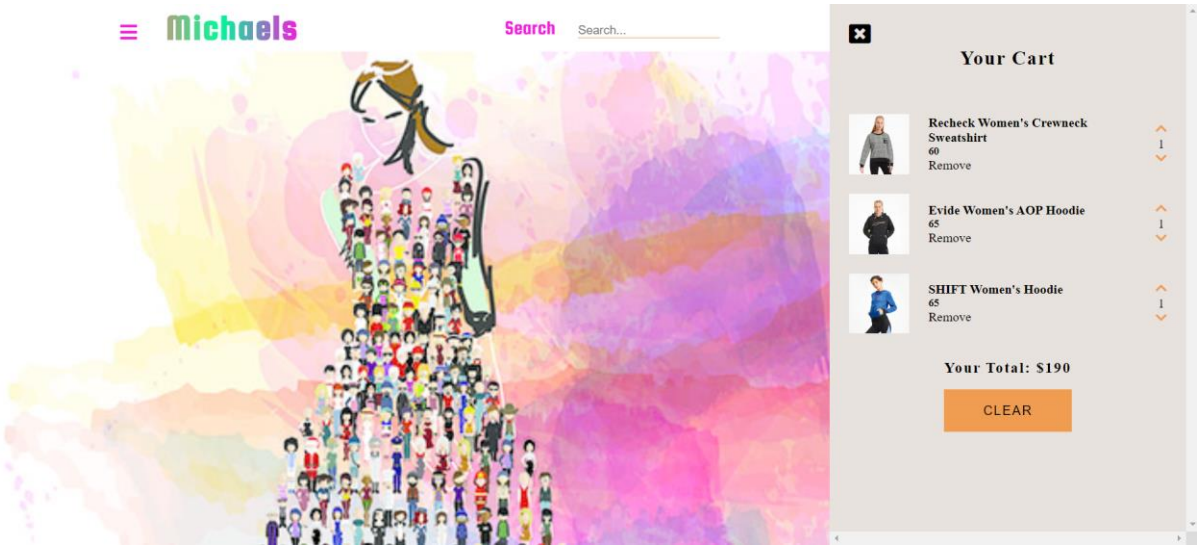
Confirm Password...
Already have an account?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Evide Women's AOP Hoodie
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