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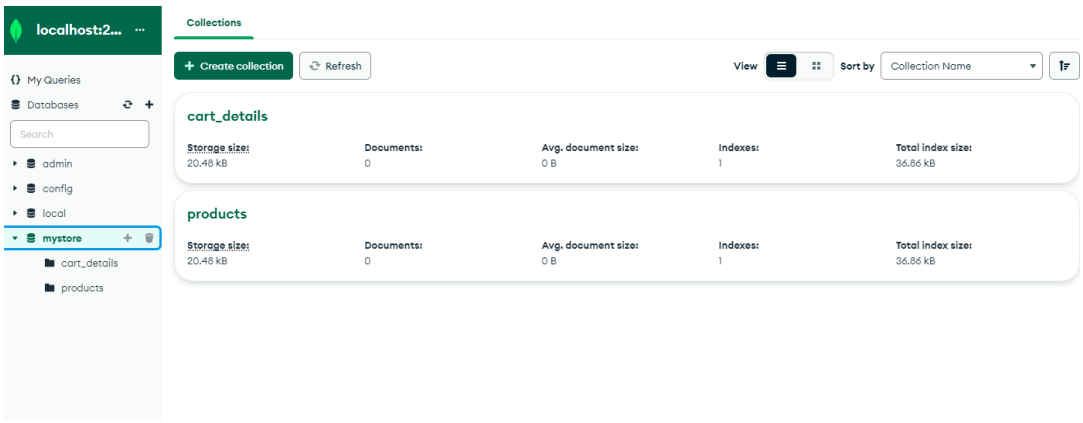
12/4/23

3D Shopping Website:

The database project is a 3D printing website store that utilizes MongoDB, PHP, and Apache to create a sophisticated and dynamic online experience. MongoDB, chosen as the NoSQL database, serves as the core infrastructure for efficiently managing and organizing extensive data related to 3D printing models, customer details, and transaction records. PHP, employed as the server-side scripting language, facilitates seamless communication between the front-end and MongoDB, enabling real-time updates and dynamic content generation. The inclusion of Apache as the web server enhances the project's performance and reliability, ensuring a smooth user experience. Collectively, these technologies form a well-integrated and scalable foundation for the 3D printing website store, providing users with an advanced platform to explore and purchase items. (note: not a complete system yet)

1. Database Design:
MongoDB:

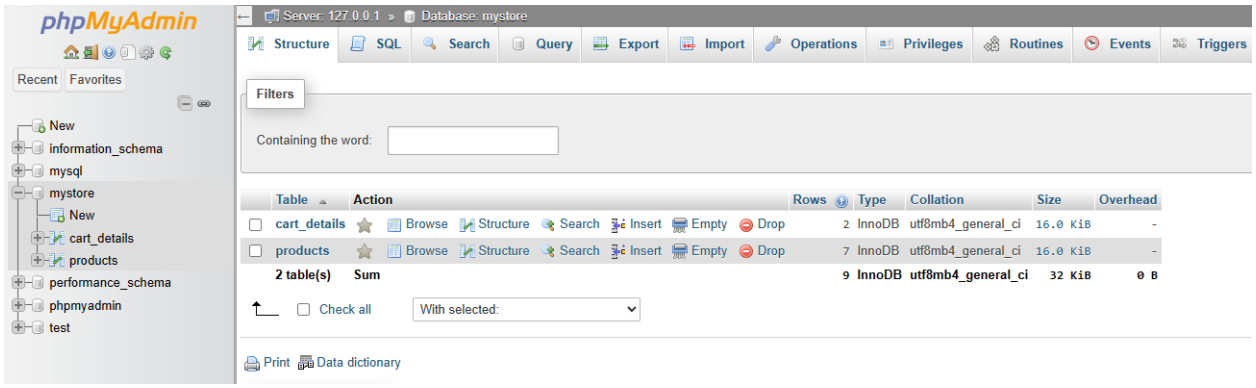




```
{
  "product_id": {
    "$oid": "656e4b1b9e3b0000260028cc"
  },
  "ip_address": "::1",
  "quantity": 1
}
{
  "product_title": "Dragon",
  "product_description": "dragon",
  "product_keywords": "dragon",
```

```
  "product_image": "3ddragon.png",
  "product_price": "200",
  "product_status": "true"
}
```


I also did the implementation in mysql for a relational database:
MYSQL:

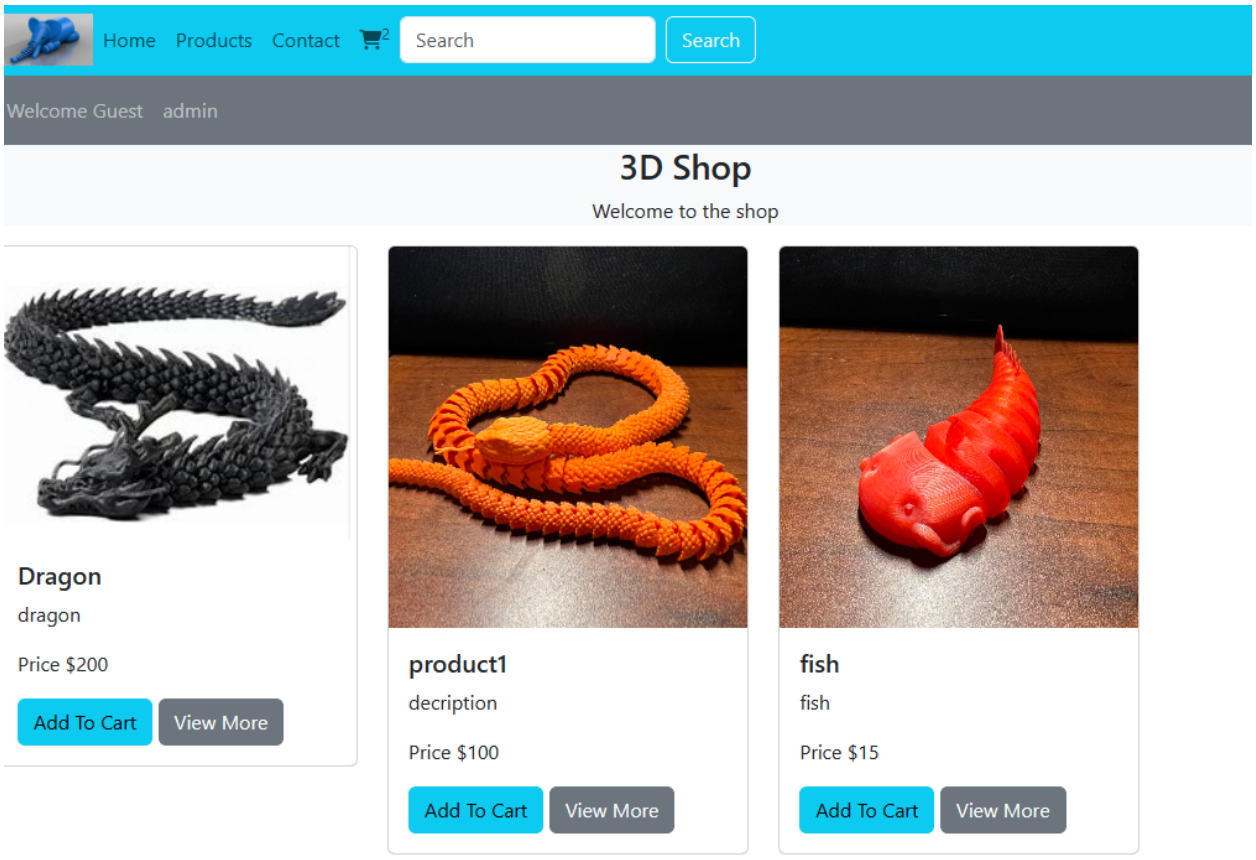



| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|---|---|---|---|---|---|---|---|---|
| 1 | product_id | int(11) | | | No | None | | AUTO_INCREMENT | Change Drop More |
| 2 | ip_address | varchar(255) | utf8mb4_general_ci | | No | None | | | Change Drop More |
| 3 | quantity | int(100) | | | No | None | | | Change Drop More |

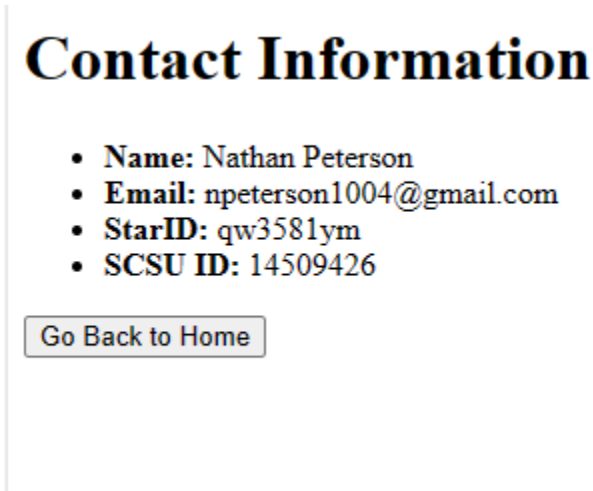
| | product_id | product_title | product_description | product_keywords | category_id | brand_id | product_image | product_price |
|---|---|---|---|---|---|---|---|---|
| Edit Copy Delete | 10 | Car | Car model | car | 1 | 1 | car.jpg | 10 |
| Edit Copy Delete | 6 | Catfish | 3d model of a catfish | catfish | 2 | 1 | catfish.jpg | 10 |
| Edit Copy Delete | 7 | Cube | Fidget Toy | cube,fidget | 4 | 1 | cube.jpg | 15 |
| Edit Copy Delete | 11 | Octopus | Octopus figure | octopus | 2 | 1 | octopus.jpg | 15 |
| Edit Copy Delete | 9 | Gear Shift Fidget | A fun fidget toy that resembles a gear shifter | Gear,Shift,Fidget | 4 | 1 | shifter.jpg | 20 |
| Edit Copy Delete | 12 | Snake | Cool Articulating Snake | snake, articulating | 2 | 1 | snake.jpg | 35 |
| Edit Copy Delete | 8 | Glasses Stand | A fun stand for your glasses | glasses,stand | 3 | 1 | teekee.jpg | 10 |

User Interface:

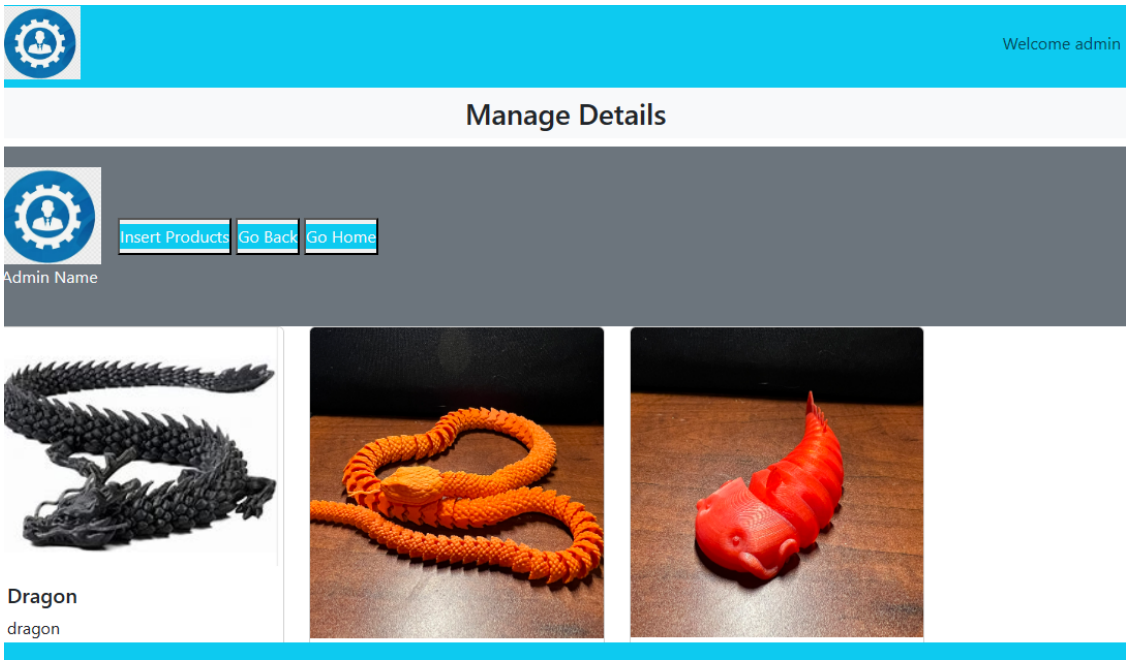
Home Page:

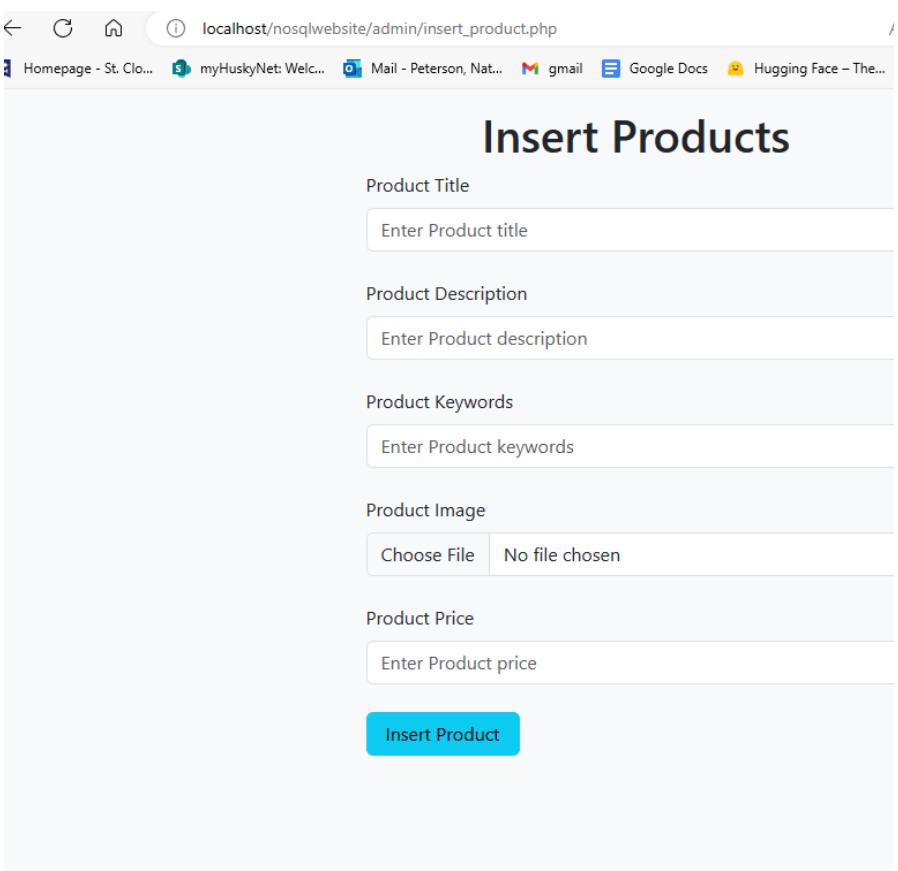



Contact:

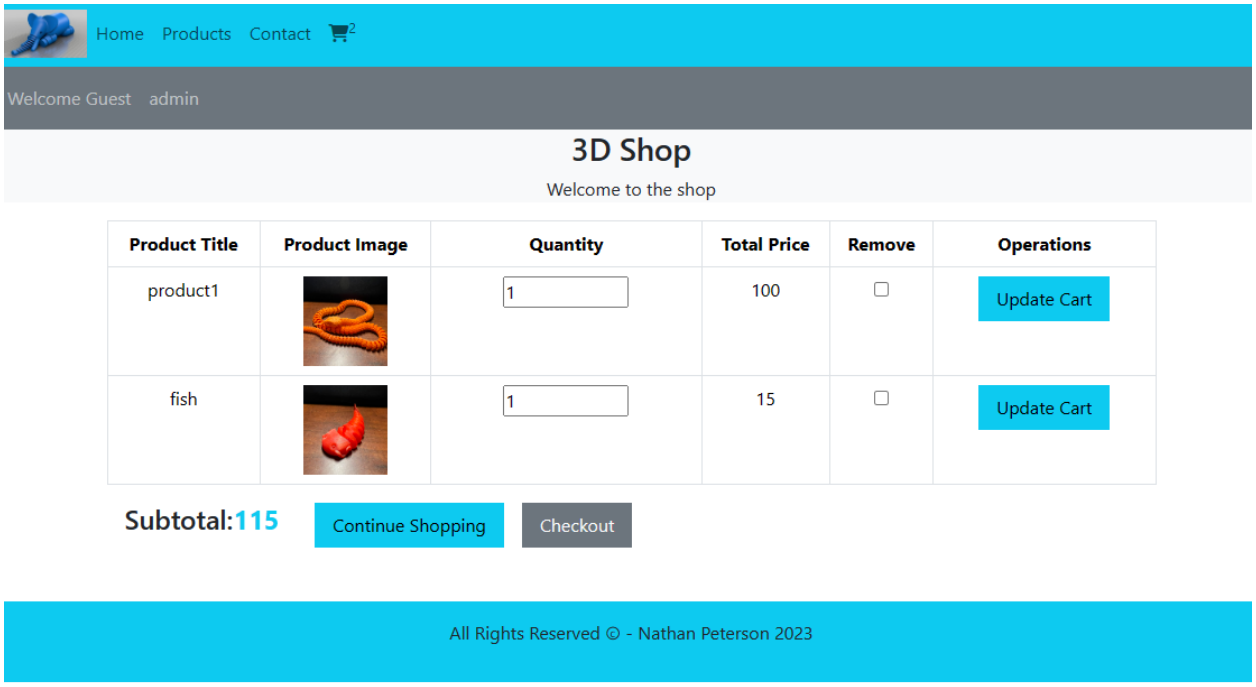


Admin:


Welcome admin
Manage Details
Insert Products
Go Back
Go Home
Admin Name
Dragon
dragon


localhost/nosqlwebsite/admin/insert_product.php
Homepage - St. Clo...
myHuskyNet: Welc...
Mail - Peterson, Nat...
gmail
Google Docs
Hugging Face – The...
Insert Products
Product Title
Enter Product title
Product Description
Enter Product description
Product Keywords
Enter Product keywords
Product Image
Choose File
No file chosen
Product Price
Enter Product price
Insert Product

Cart:


Home
Products
Contact
2
Welcome Guest
admin
3D Shop
Welcome to the shop
Product Title
Product Image
Quantity
Total Price
Remove
Operations
product1
1
100
Update Cart
fish
1
15
Update Cart
Subtotal:115
Continue Shopping
Checkout
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