

Online Manga Shop

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Mission statement:

To design and implement a user-friendly, efficient and secure manga shop where people all over the world could find the manga books they want. Customers would be able to create account, find manga books by categories and use other customers' reviews to help them make choices, add to their shopping carts, and eventually check out. The administration would be able to manage customers, products, the websites with ease.

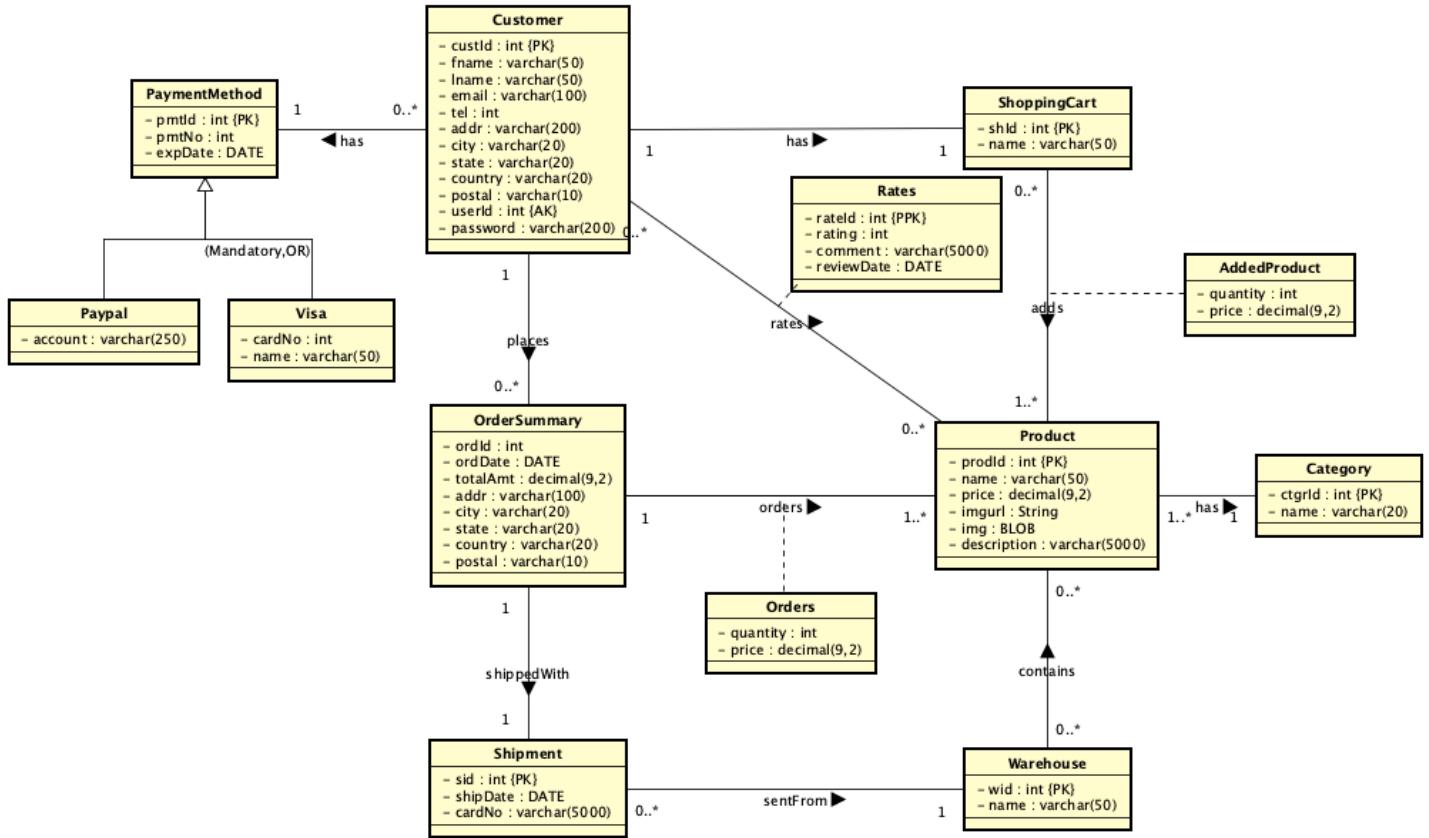
Executive summary:

MANGAdealers.net is a web-based ecommerce store for the latest and greatest manga content.

Users will have access to an easy-to-use navigation system that gives them access to an incredible selection of manga books from the classics to the newest releases. Our website will include images and user-reviews for the products.

Other features of the store include a shopping cart to store items for later purchase as well as the ability to create an account in order to store the user's information for easy checkout.

Database design:



URL:

- Main page: localhost/shop/index.jsp

ID/Password:

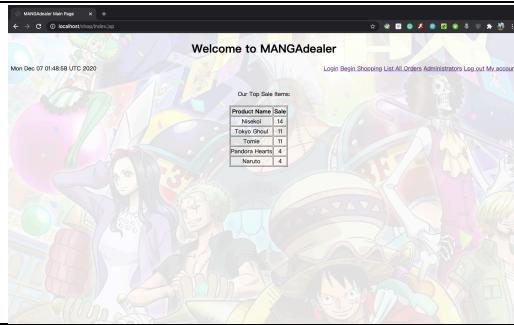
- admin:
 - username: arnold
 - customer id: 1
 - password: test
- customer:
 - username: bobby
 - customer id: 2
 - password: bobby
- more customer information can be found in the DDL.

Final Overall System Features	Category	Possible Points	Points	Comments / Code Files
Documentation (10 total points)				
Executive Summary (up to 1 page)	Core	2		
System Features (2 pages)	Core	2		
Walkthrough with screenshots (up to 10 pages)	Core	6		
Hosting (10 total points)				
Running on cloud server	Advanced	10		
Main/Home Page (up to 14 total points)				
Search for a product by name	Core	1		listprod.jsp
Browse products by category	Core	1		listprod.jsp
List products (by search/browse)	Core	1		listprod.jsp
List products with image	Core	1		product.jsp
Page header with menu	Basic	1		index.jsp
Page header shows current logged in user	Basic	1		index.jsp
Dynamic products on page based on sales	Basic	2		index.jsp
Improved UI (user-friendly, images, etc.)	Basic	2		index.jsp / listprod.jsp
Product recommendation based on user	Advanced	4		listprod.jsp
Shopping Cart (up to 8 total points)				
Add to shopping cart	Core	1		listprod.jsp
View shopping cart	Core	1		addcart.jsp/showcart.jsp
Update quantity (with data validation)	Basic	1		addcart.jsp/showcart.jsp
Remove item from shopping cart	Basic	1		addcart.jsp/showcart.jsp
Improved formatting/UI (e.g. in header bar)	Basic	1		addcart.jsp/showcart.jsp
Cart stored in database between sessions	Basic	3		N/A
Checkout (up to 9 total points)				
Checkout with customer id	Core	1		checkout.jsp
Checkout with payment/shipment info	Basic	2		ship.jsp
Checkout with data validation	Basic	2		checkout.jsp
Multiple shipments per order supported	Advanced	2		Note: Requires DB change.
Calculate taxes/shipping (by items/state)	Advanced	2		Note: Requires DB change.
Product Detail Page (up to 2 total points)				
Product detail page and item description	Core	1		product.jsp
Product detail has an image from database	Core	1		product.jsp

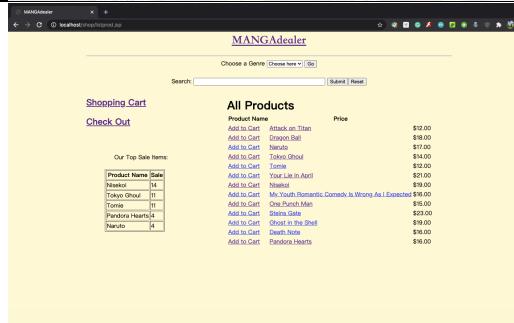
User Accounts/Login (up to 12 total points)				
Create user account page	Basic	2		register.jsp
Create account with data validation	Basic	2		validateReg.jsp
Edit user account info (address, password)	Basic	2		changeInfo.jsp
Login/logout	Core	1		index.jsp
Register user/Forgot password email	Advanced	4		register.jsp
Page listing all orders for user	Core	1		listorder.jsp
Product Reviews (up to 5 total points)				
Ability to enter a review on a product	Basic	2		product.jsp
Display product review on product detail page	Basic	1		product.jsp
Restrict to one review per user on item purchased	Advanced	2		product.jsp
Warehouses/Inventory (up to 5 total points)				
Display item inventory by store/warehouse	Basic	2		addWare.jsp
Edit item inventory by store/warehouse	Advanced	3		addWare.jsp
Administrator Portal (up to 19 total points)				
Secured by login	Core	1		login.jsp
List all customers	Core	1		admin.jsp
List report showing total sales/orders	Core	1		admin.jsp
Report with a graph	Advanced	3		
Add new product	Basic	2		addProduct.jsp
Update/delete product	Basic	2		updateProduct.jsp
Change order status/ship order	Basic	1		admin.jsp
Upload a photo to file system for product	Advanced	2		
OR: Upload a photo to database for product	Advanced	4		
Database restore with SQL script	Basic	2		admin.jsp
Add/update warehouse, customer	Basic	2		updateCustomer.jsp
Database System/General				
Implement some validation using triggers	Advanced	2		
Use AJAX for some pages	Advanced	4		index.jsp (the clock on the top)
User interface and navigation/usability		Up to 5		
<i>Others (your suggestions)</i>		Up to 5		
Total: (out of 50 with maximum of 10 bonus marks. i.e. 60 points out of 50 is max.)				

Walkthrough:

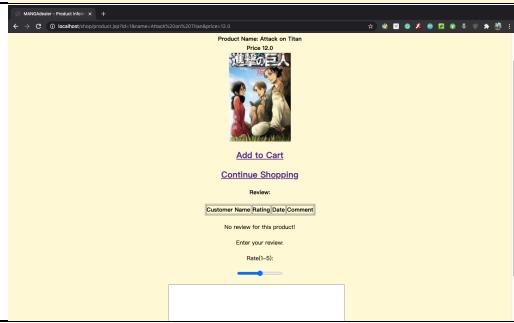
1. This is the main page. Where you could login/logout, go shopping and etc.



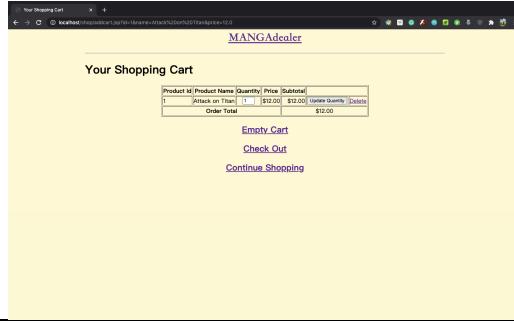
2. In the shopping page you could shop based on the recommendations provided based on sales. And if you've bought something before you could get recommendations from your past purchases. You could also browse by category or search for the item you are looking for.



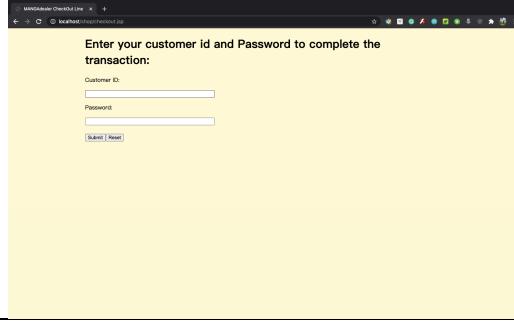
3. In the product page you could see the details of a product and see its reviews. You could also write a review if you have purchased this product.



4. Once you've added some products in your shopping cart, you could see it on the shopping cart page. You are able to change quantity of each product, delete, or empty the cart.



5. Once you have determined to purchase, you are asked to provide your customer id and password.



6. Then you would get an order summary.

Product ID	Product Name	Quantity	Price	Subtotal
1	Attack on Titan	1	\$20.00	\$20.00

Your order time is: 2020-12-07 02:03:43
Order completed. Will be shipped soon...
Your reference number is 10 Check out your shipping status [here](#)

[Back to Shopping](#)

7. You could also check your shipment status.

Ordered Product: 1 Quantity | Previous inventory: 12 New inventory: 11
Your order has been shipped.
[Back to Main Page](#)

8. Back to the main page, if you were to log in, here is the login page. If you don't have an account, you could register as well.

Please Login to System
Username:
Password:
[Log In](#)
Don't have an account? [Register here](#)

9. If you are logged in, you could see your name displayed in the header. If you are an administrator, there is also a message shown. In this case, Arnold is the admin.

Welcome to MANGAdealer
Mon Dec 07 02:06:04 UTC 2020
Login Brain Shampoo List All Orders Administrators Log out My Account
Admin Logging In
Our Top Sale Items:

Product Name	Sales
Nekomata	15
Tokyo Ghoul	11
Tomie	11
One Piece	9
Naruto	4

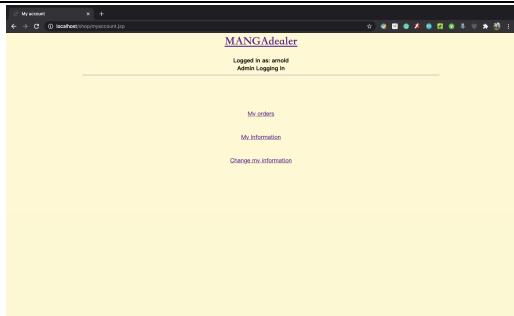
10. If you were an admin, you'll have access to the admin page where you could see all the info of customer, order summaries. You could add or update products, add or update inventories, add or update new customers, and eventually you are allowed to restore the database.

Date	Total Amount
2019/10/15	\$509.10
2019/10/17	\$20.00
2019/10/17	\$327.85
2020/10/09	\$3,424.00
2020/10/07	\$0.00

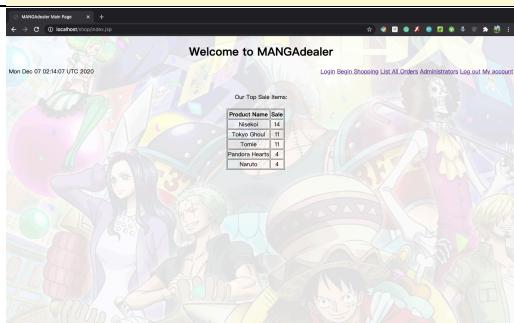
Customer Info											
ID	firstname	lastName	email	phoneNum	address	city	state	postalCode	country	userId	admin
1	Arnold	Anderson	a.anderson@gmail.com	204-111-1013	103 Anywhere	Winnipeg	MB	R0X 4G7	Canada	arnold	1
2	Bobby	Brown	bobby.brown@hotmail.com	679-342-2323	223 Bush Avenue	Boston	MA	02222	United States	bobby	0
3	Candace	Dale	candice.daley@gmail.com	5555-4444	1234 Elm Street	Chicago	IL	33333	United States	candice	0
4	Daren	Doe	daren.doe@edu.com	222-222-2222	4444 Dower Street	Kalifornia	BC	V1V 2Z9	Canada	daren	0
5	Elizabeth	Elliott	elizabeth.elliott@edu.edu	555-4466-7777	8855 Everwood Street	Iowa City	IA	52241	United States	beth	0

Add New Product
Update Product
Add/Update Inventory
Add Customer
Update Customer
Run SQL Database

11. If you were a customer, you won't have access to the admin page, but you could go to your account and see your orders, your information, and change your information.



12. If you want to log out, simply click the logout button on the main page, and you will be logged out.



Limitations and Issues:

There are many limitations and issues in this project. The biggest issue is security. The forms are submitted with get method, even passwords are displayed in the address bar when submitting. Due to the time limitation and since there's no requirement on this, it was not fixed. Also, the styling could be done better if there were more time for the project. Some CSS templates could also be used but we just did it by hand, so it looks a bit shabby. Also, there are minor bugs here and there, but it doesn't affect the overall use of the website.