**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:**

图示

描述已自动生成

**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.

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| **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 |  |  |
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| **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 |
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| **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 |  |  |
| *Others (your suggestions)* |  | Up to 5 |  |  |
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| **Total: (out of 50 with maximum of 10 bonus marks. i.e. 60 points out of 50 is max.)** |  |  |  |  |

**Walkthrough:**

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| 1. This is the main page. Where you could login/logout, go shopping and etc. | 图片包含 背景图案  描述已自动生成 |
| 1. 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 you past purchases. You could also browse by category or search for the item you are looking for. | **图形用户界面, 应用程序  描述已自动生成** |
| 1. 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. |  |
| 1. 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. |  |
| 1. Once you have determined to purchase, you are asked to provide your customer id and password. |  |
| 1. Then you would get an order summary. |  |
| 1. You could also check your shipment status. |  |
| 1. 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. |  |
| 1. 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. |  |
| 1. 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. |  |
| 1. 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. |  |
| 1. 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.