Project work plan

Goal  
Online Shopping Mall web application:  
 Nowadays, more and more people prefer online shopping over the traditional shopping. There are many reasons why online shopping is better than the traditional shopping, Such as, convenience, comparison of price etc.

We design this application as an online bookstore. We hope this application can be a platform to provide an opportunity for retail businesses and an online shopping experience to customers.

Need

We will implement our project with IIS7, PHP, MySQL, HTML and JavaScript.In addition, we will apply three-layer architecture, MySQL as data layer, HTML and browser as presentation layer and PHP as application layer.

Functions  
Customers:

* Product list: A1, A2, A3, A4, A5, A6

Customer can browse and search product in product list. The product list also supports paging. In addition, the customer can filter the product list by several methods, such as, selecting one of the existing product categories, searching keywords in product name or filter by category and search keywords at the same time. The customer also can order the product list by price.

* Product detail: B1, B2, B4

The product detail page shows more than one photo and detail information about selected product.

* Customer account management: C1, C2, C4

A customer can register a new account. The shopping cart and purchase tracking functions are only accessible after login. After a customer logs out and closes the web browser, other user can’t see any purchase data of the customer.

* Shopping cart: D1, D2, D3, D4, D5, D7

To make any purchase, a customer must logs in and adds/removes products to her shopping cart. The customer can press a button in the shopping cart page to check out all items in the shopping cart. The page also shows the total price of items in the shopping cart.

* Purchase tracking: E1, E2, E3

The purchase tracking page list the current purchase orders. The customer can expand an entry in the list of purchase orders to show a purchase order detail page.

Vendor:

* Product catalog: G1, G2, G3, G4, G5, G6

The vendor can browse the product catalog and search a product. The vendor also can add a new product to the catalog. They can enter detail information and upload more than one photo for a product.

In addition, the vendor can edit information of a product in a product detail page.

* Purchase orders processing: H1, H2, H3, H4, H5, H7, H8

The vendor can see the purchase orders in the purchase order detail page. In the purchase order detail page, the vendor can click a button to ship/hold/cancel a purchase order. When the vendor cancels/holds a purchase order.

Division of work

Lillian will be responsible for customer account management, shopping cart and purchase orders processing.

Jacky will be responsible for product detail and purchase tracking.

Fong will be responsible for product list.

Jacky and Fong will complete the product catalog together.

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| Data modeling | Lillian & Fong |
| User interface design | Lillian & Jacky |
| Program development | Lillian, Fong, Jacky |
| Solving technical problems | Lillian & Jacky |
| Testing and sample data | Lillian & Fong |
| Report writing | Lillian, Fong, Jacky |

Project report:

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| Chapter 1. Introduction | | Fong |
| Chapter 2. Background and Related work | | Fong |
| Chapter 3.  System Design | Section 3.1 Data modeling | Fong |
| Section 3.2 Dynamic modeling | Lillian |
| Chapter 4. System implementation | | Jacky |
| Chapter 5. Results and Discussion | | Lillian |
| Chapter 6. Conclusion and Further work | | Lillian, Jacky, Fong |
| References | | Fong |
| Appendix. Project management | | Lillian |

Schedule

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| --- | --- | --- |
| Start Gantt chart and progress check form | 15 Jan~18 Jan | Lillian |
| Data modeling | 16 Jan~24 Jan | Lillian, Fong |
| User interface design | 16 Jan~24 Jan | Lillian, Jacky |
| Preparing sample data | 25 Jan~28 Jan | Jacky, Fong |
| Test case design | 29 Jan~30 Jan | Fong |
| Program development | | |
| User interface implementation | 25 Jan~31 Jan | Lillian |
| Product list (A1~A6) | 25 Jan~5 Feb | Fong |
| Product detail (B1,B2,B4) | 25 Jan~5 Feb | Jacky |
| Customer account management (C1,C2,C4) | 31 Jan~5 Feb | Lillian |
| Group meeting and modifying | 6 Feb~8 Feb | Lillian, Jacky, Fong |
| Shopping cart (D1~D5,D7) | 8 Feb~18 Feb | Lillian |
| Purchase tracking (E1~E3) | 8 Feb~18 Feb | Jacky |
| Group meeting and modifying | 19 Feb | Lillian, Jacky, Fong |
| Product catalog (G1~G6) | 20 Feb~1 Mar | Jacky, Fong |
| Purchase orders processing (H1~H5,H7,H8) | 20 Feb~5 Mar | Lillian |
| Integration testing and modifying | 6 Mar~10 Mar | Lillian, Jacky, Fong |
| Solving technical problems | 25 Jan~31 Mar | Lillian, Jacky |
| Demo application | 11 Mar | Lillian, Jacky, Fong, Philip |
| Report writing | | |
| Chapter 1. Introduction | 9 Mar~11 Mar | Fong |
| Chapter 2. Background and Related work | 12Mar~14 Mar | Fong |
| Chapter 3. System Design | 15 Mar~19 Mar | Fong, Lillian |
| Chapter 4. System implementation | 9 Mar~15 Mar | Jacky |
| Chapter 5. Results and Discussion | 19 Mar~22 Mar | Lillian |
| Chapter 6. Conclusion and Further work | 22 Mar~22 Mar | Lillian, Jacky, Fong |
| References | 22 Mar~22 Mar | Fong |
| Appendix. Project management | 23 Mar~26 Mar | Lillian |
| Checking report and modifying | 27 Mar~3 Apr | Lillian, Jacky, Fong |
| Submit final project | 3 Apr | Lillian, Jacky, Fong |
| Marking ppt and assign presentation part | 3 Apr~6 Apr | Lillian, Jacky, Fong |