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Assignment 01

Book & DVD Store outline

The Book & DVD Store is an online warehouse. The purpose of the system is to make it possible for the customers to browse and search products (i.e. books and DVDs) and to place orders for these products online. Customers can choose their preferred payment method; new payment methods should be easy to add.

The organization operating the online store does not have its own delivery solution therefore a courier company like FedEx or DHL will perform the delivery to the customer. All courier companies have their own software system which the online bookstore needs to exchange data with in order to provide information for the customers about the shipment of their newly acquired property if requested. The ordering system is responsible for issuing invoices but there is a separate accounting system at the organization which will receive detailed information on each sale.

The most important stakeholders along with a short outline of their most important functionalities are the following:

The brief description has to contain some pieces of information to identify the underlying product (e.g., title, year of publishing, author/starring.)

- Search by the most common attributes of a product (simple search).
- Search by specific attributes of a product (advanced search).
- Refine search result. Filtering the result items.
- View product details.
- Manage bookshelf and shopping cart.
- Save selected products onto a bookshelf.
- Delete selected products from the bookshelf.
- Create own categories for the saved items on the bookshelf in order to be able to maintain certain products together
- Define and save attributes for own categories □ Browse/search among own categories.

- Delete own categories.
- Add item(s) to own categories.
- Delete item(s) from own categories.
- Move item(s)/item group(s) to shopping cart
- Remove item(s) from shopping cart
- Move item(s) to bookshelf from shopping cart.
- . Put selected item(s) directly into the shopping cart.
- Save the shopping cart

Manage orders.

- Place an order based on the content of the shopping cart.
- Finalize order.
- Cancel order.
- Get email notification about the order (with certain details).
- Track order status.
- Set rules on automatic orders.
- The system should send an email notification before placing an automatic order.
Customer can finalize or cancel it.
- Provide feedback about the products and/or the ordering process.

Manage products.

- Save/Record new products into the system □ Remove products from the system.
- Modify products (product attributes).
- Import products.
- Export products.
- Manage orders. □ Update order status □ Process feedbacks.
- Compose/Send newsletters.
- Moderate forums
- Manage rules for special offers.
- Set categories on handling special customers. (Gold customer, diamond customer, etc.)
- Modify categories on handling special customer □ Set special customer discounts.

- Modify special customer discounts.
- Set special action offers (for product categories).
- Modify special action offers.

Questions

1. Filter requirement and find out the following categories of the requirements. (chapter: Requirement engineering).

a. Functional Requirements

FUNCTIONAL REQUIREMENTS:

- Search by the most common attributes of a product (simple search).
- Search by specific attributes of a product (advanced search).
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- Move item(s) to bookshelf from shopping cart.
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- Modify special customer discounts.
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- Modify special action offers.

b. Non-Functional Requirements

NON-FUNCTIONAL REQUIREMENTS:

- Refine search result. Filtering the result items.
- Manage bookshelf and shopping cart.
- Manage orders. □ Update order status □ Process feedbacks.
- Compose/Send newsletters

c. Suggest Domain Requirements

Domain Requirements:

The store is an online store and all the requirements about the E-commerce requirements are there. I can suggest some requirements from the list.

- Manage bookshelf and shopping cart.
- Save selected products onto a bookshelf.
- Delete selected products from the bookshelf.
- Create own categories for the saved items on the bookshelf in order to be able to maintain certain products together

- Delete own categories.
- Add item(s) to own categories.
- Delete item(s) from own categories

d. Suggest Inverse Requirements

Inverse requirements:

- Customer purchase order than message popup.
- Customers add product so they can delete product within time.
- Design will be good, so customer attract.
- Friendly environment not to complex.

e. Suggest design and implementation constraints for the project

Design and Implementation:

- The software must be attractive.
- It can be standard wise like php, .net etc. on which system can be made.
- Only customer can cancel an order with 2 try.