



Mohammad Ali Jinnah University

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Assignment 1

Name: Muhamad Fahad

Id: FA19-BSSE-0014

Subject: Software Engineering (CS3110)

Section: AM

Teacher: Teerath Das (Dr.)

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Assignment 01

Book & DVD Store outline

Questions

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

- a) **Functional Requirements**
- b) **Non-Functional Requirements**
- c) **Suggest Domain Requirements**
- d) **Suggest Inverse Requirements**
- e) **Suggest design and implementation constraints for the project?**

Answer

- a) **Functional Requirements:**
 - Search by the most common attributes of a product (simple search).
 - Search by specific attributes of a product (advanced search).
 - View product details.
 - 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.
 - 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.
 - Record new products into the system.
 - Remove products from the system.

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- Modify products (product attributes).
 - Import products.
 - Export products.
 - 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.
- b) **Non-Functional Requirements:**
- Refine search result. Filtering the result items.
 - Manage bookshelf and shopping cart.
 - Update order status.
 - Provide feedback about the products and/or the ordering process.
 - Process feedbacks.
 - The system should send an email notification before placing an automatic order. Customer can finalize or cancel it.
 - Compose/Send newsletters.
- c) **Suggest Domain Requirements:**
- View product details.
 - Manage bookshelf and shopping cart.
 - Add/Delete/Update own categories or items.
 - Search Engineer.
- d) **Suggest Inverse Requirements:**
- User ID should not contain digits.
 - Color should not be so dark.
 - Ads should not be include in project.
 - Home page should not contain a lot of details.
- e) **Suggest design and implementation constraints for the project:**
- On reload logo must moved in 360 degree Angle.
 - Shall run on both window and Linux.
 - The system build by a professional team.
 - System must be build using java or SQL Database.