

Mohammad Ali Jinnah University

Chartered by Government of Sindh - Recognized by HEC

**Assignment 1**

**Name:** Muhamad Fahad

**Id:** FA19-BSSE-0014

**Subject:** Software Engineering (CS3110)

**Section:** AM

**Teacher:** Teerath Das (Dr.)

**Date:** Wednesday, November 25, 2020

**Assignment 01**

**Book & DVD Store outline**

**­­­­­­­­­*Questions***

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

1. **Functional Requirements**
2. **Non-Functional Requirements**
3. **Suggest Domain Requirements**
4. **Suggest Inverse Requirements**
5. **Suggest design and implementation constraints for the project?**

**Answer**

1. **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.
* 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.

1. **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.

1. **Suggest Domain Requirements:**

* View product details.
* Manage bookshelf and shopping cart.
* Add**/**Delete**/**Update own categories or items.
* Search Engineer.

1. **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.

1. **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.