# PROJECT INFORMATION

## Description

This project is to developer a web application for selling branded products online

## Scope

This project only focuses on following business objectives:

* Selling branded products online using User Friendly Interfaces for several product categories.
* Customer users purchase the products after searching based on the Product category.
* Customer users select multiple categories and add them to the shopping cart.
* The shopping cart must allow to add and remove products to and from shopping cart till it is paid
* Customer uses online payment system to pay the amount that purchase invoice shows using Visa / Master card.
* An automatic email should be sent to the purchasing customers with a text saying that the product would be arriving with in x-days and the receipt for the products they purchased once the shopping cart is paid
* The application system should allow to generate the reports and sometimes ad-hoc reports also.
* The reports are for Weekly, Monthly, Quarterly, Half yearly and Annual reports.
* The application should allow to register new Vender who will selling their products
* The vendors and users will be assigned a user-id and password when registered online
* The application should allow Vendors to maintain their products to upload and download when logged in to the system
* The application should allow to online register new users and provide user a user-IDs when registered.
* The application should perform authenticate and authorize the Vender/User based on the provided Vender-ID/User-ID and password before they can perform activities on the system

### Scope detail

The scope of the Project includes production of the following modules:

1. User Registration
   1. Register new user
   2. Login
      1. User Authorization
      2. User Authentication
   3. Forget Password
      1. Retrieve by User-ID and Email ID
   4. Remove User from the Database (Logical Remove)
   5. Password Security
      1. Allow user / Vendor to change the password after logging in
2. Vendor Registration module
   1. Register new vendor
   2. Vendor login
   3. Forget Vender Password
      1. Retrieve by Vender-ID and Email ID
3. Search Module
   1. Product Search
      1. By Product Name
      2. By Product Number
   2. Advance Search
4. Product Management
   1. Add Product to Database
   2. Remove Product from database (Logical remove)
   3. Update the product information in Database (Backup the original Record in the table)
   4. Backup the product Catalog periodically and store locally. (Point – 1)
5. Product Category
   1. Product Category Management (Add/Remove)
6. Shopping Cart
   1. Add Items to cart
   2. Remove items from cart
   3. Edit the quantity of the items in the cart
7. Order Management
8. Payment Module
   1. Master card - Credit
   2. Visa card - Credit
9. Reports Modules (Periodical – Verify the Requirements specifications)
   1. Sales by Product Category
   2. Sales by Product
   3. Overall Sales reports
10. SMTP Module
    1. Auto Email notification to end users.
11. Database Management Module (Entity).
12. Admin Module

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| S/no | Developer ID | Responsibilities | Technologies Used |
|  | Project Lead | Module: 1, 8, 11 | Spring MVC, JPA/Hibernate, JSP, MySQL, Spring flow, Spring Security |
|  | Developer - 1 | Module: 2, 3, 11 | Spring MVC, JPA/Hibernate, JSP, MySQL, Spring flow, Spring Security |
|  | Developer – 2 | Module: 4, 5, 11 | Spring MVC, JPA/Hibernate, JSP, MySQL, Spring flow, Spring Security |
|  | Developer – 3 | Module: 6, 7, 11 | Spring MVC, JPA/Hibernate, JSP, MySQL, Spring flow, Spring Security |
|  | Developer – 4 | Module: 9, 11, 12 | Spring MVC, JPA/Hibernate, JSP, MySQL, Spring flow, Spring Security |
|  | Developer – 5 | Module: 8, 10, 11 | Spring MVC, JPA/Hibernate, JSP, MySQL, Spring flow, Spring Security |

Version Control:

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| S/No | Items modified from the previous version | Version Number | Remarks |
|  | Initial version | 0.1 | Created first draft version |
|  | Updated version | 0.2 | Updated scope detail and Responsibility table |
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