

Development Project-System Requirements Agreement-2018

Project Title: Web based Transaction Decision Making System for DM Cashew Corner

Student No: IM/2014/053

Student Name: W.D.Maljinee Sawbagya Dayananda

Supervisor Name: Mr.Buddhika Jayawardena

System Requirements Summary (order on priority, type-mandatory/optional)

Functional Requirements

1. Shall be able to provide different user accounts for administrators and users.
 - 1.1. Accounts types shall be administrator, manager, salesperson.
 - 1.2. Administrators Shall be able to create user accounts.
 - 1.3. Shall be able to recover/change password.
2. Shall be able to maintain supplier details
 - 2.1. Shall be able to add, delete, update, view supplier details.
 - 2.2. Shall be able to search suppliers using many clues – phone number, last order name, last order date, last order amount, supplier name, supplier address, order number, product type)
3. Shall be able to determine most appropriate suppliers according to the required parameters.
(cashew type, average profit per unit, average cost per unit, season, payment method, delivery time, delivery cost)
4. Shall be able to handle purchase orders.
 - 4.1. Shall be able to place a purchase order.
 - 4.2. Shall be able to get previous ordering records of a particular supplier.
 - 4.3. Shall be able to update the status of the order.

5. Shall be able to manage customer details.
 - 5.1. Shall be able to add, delete, update, view customers and their details.
 - 5.2. Shall be able to find customer by clues – (customer name, partial name, address, phone number, order date, order amount, product type, delivery location)
6. Shall be able to handle sales orders.
 - 6.1. Shall be able to place a purchase order.
 - 6.2. Shall be able to get previous ordering records of a particular customer.
 - 6.3. Shall be able to update the status of the order.
 - 6.4. Should be able to estimate delivery time and price depending on inventory/supplier available time and processing + delivery time.
7. Shall be able to update inventory amounts.
 - 7.1. Shall be able to view current inventory level. (raw cashew and final products)
 - 7.2. Shall be able to add details of raw cashew purchased to the inventory.
 - 7.3. Shall be able to search/update raw cashew, final products in the inventory by, date, variety, supplier, cost per unit etc.
 - 7.4. Shall be able to view the available raw cashew in the inventory.
 - 7.5. Shall be able to view order details with the status of the order (pending, confirmed)
8. Customers shall be able to view company web page.
 - 8.1. Customers shall be able to view the details of the products.
 - 8.2. Customers should be able view the status of the orders.
9. Manager should be able to view transaction summery report.

Non-Functional Requirements

1. Shall be quick enough to view orders, supplier search, customer search, inventory search during a phone call.
2. Shall have quicker response time.
3. Shall be able to present a user-friendly interface.
4. Should include validity and security aspects.
5. Shall provide precise information
6. Shall facilitate concurrent access.
7. Shall provide a web interface.

.....

Signature of the Student

Date:

.....

Signature of the Supervisor

Date: