Minor Project- Report

Aug-2019-2020

Course Faculty: Course Name & code:

Semester: 3 Date:

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| TITLE OF THE PROJECT | **Supply Chain Management System** | | | |
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| INDIVIDUAL  CONTRIBUTION |  |  |  |  |
| GUIDE |  | | | |
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| PROJECT ABSTRACT : | Supply Chain Management System  Supply-chain-management software (SCMS) is the **software tools or modules** used in executing supply chain transactions, managing supplier relationships and controlling associated business processes.  While functionality in such systems can often be broad – it commonly includes:   * Customer-requirement processing * Purchase-order processing * Supplier Management/Sourcing * Inventory management * Goods receipt and Warehouse management * Sales and Distribution   **Project :**  The Application implemented aims at increasing the efficiency of the management of a supply chain and easing the process of fulfilling the client’s requirements, ultimately making it a hassle free experience for the involved entities.  The application is implemented using Java but it isn’t necessary for the system running the application to have java installed in it.The system grants access to activity to two of the three involved entities, namely the client and the admin. Based on the granted access, various activities limited to the user are made available. | | | |
| PLATFORM USED  (H/W & S/w tools to be used | FrontEnd : HTML,CSS  DataBase : MySQL  BackEnd:  1.Language: Java (JSP, JDBC and Servlets)  2.Web Server: Apache Tom Cat | | | |
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| Introduction | Supply Chain Management System  To understand the project in hand, it is vital to understand what it aims at improvising.  To understand this, a look at following is required:  **Supply chain**  A supply **chain is a network** between a company(here, admin) and its suppliers(here, dealers) to produce and distribute a specific product to the final buyer(here, client). This network includes different activities, entities, information, and resources.  **Supply chain management**  At the most fundamental level, supply chain management (SCM) is **management** of the flow of goods, data, and finances related to a product or service, from the procurement of raw materials to the delivery of the product at its final destination.(oracle)  **Supply Chain Management System**  Supply-chain-management software (SCMS) is the **software tools or modules** used in executing supply chain transactions, managing supplier relationships and controlling associated business processes.  While functionality in such systems can often be broad – it commonly includes:   * Customer-requirement processing * Purchase-order processing * Supplier Management/Sourcing * Inventory management * Goods receipt and Warehouse management * Sales and Distribution | | | |
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| Design | The Project has been split into three modules:  1.Admin  2.Dealer  3.Client  The **Client Module** is described with the UML diagram below:    Fig(1.1):Client Functionalities  The above diagram shows the client functionality,where the client logs in with the user name and password, specifies the product and checks the product status.  The **Admin Module** is described with the UML diagram below:    Fig(1.2):Admin Functionalities  The above figure shows the Admin functions.There are five classes which are associated with each other.The ‘Admin’ class is the main class which is associated with the ‘View client request’,’View dealer info’,’Product status’,’Inventory processing’ classes.  The **Dealer Module** is described with the UML diagram below:    Fig(1.3):Dealer Functions  The above diagram shows the Dealer functionality.The dealer class is associated with the ‘Item’ class and it is dependent on the ‘Admin’ class.  **Work Flow Activity:**  The client logs in, gives the product details, Admin views the requirements,contacts the Dealers and then finally delivers the product.  Dealer generates the item’s list and maintains the record of the items.  Similarly the Admin verifies the client’s reqiurements, selects the item, maintains the Dealer record. Admin functions also include inventory processing, invoice of the selected items.  **Database Design:**  The database consists of all the required data that needs to be validated with or displayed on the jsp pages. the database consists of the following tables:  1.  2.  3.  4.  5.  6.  7.  8.  9.  10. | | | |
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| Project Source Code Link (Github/ Google DRive) | **Github:** <https://github.com/SriGoutamJ/SCMS> | | | |
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| Conclusion /FUTURE ENHANCEMENT | We suggest the following enhancements:  1. Include **Payment Options** and a **Payment Gateway**.  2.  3. | | | |
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| Ui sCreenshots |  | | | |