**Synopsis on SPEOS “Shalimar Precision Enterprises Online Solution”**

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**Submitted To:**

**Indira Gandhi National Open University**



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**Guide Bio-Data**

**MILAN GAUR**

**House no. 2534, Sector 46, Gurgaon**

**Contact No: +919582686285 Email: milangaur2006@gmail.com**

**SOFTWARE DEVELOPER**

Sseeking a challenging position with a reputed organization which will utilize my core competencies and proven skills in designing, developing, implementing and maintaining java/j2ee as well as Java based Desktop applications

**PROFILE**

* A result oriented software professional offering extensive experience of 3 years in IT and software development field. Currently working with NIIT Ltd as Software Engineer, Previously worked with Shankara Institute of Technology, Research and development dept..(Jaipur) as Software Associate
* Having extensive experience withCore Java, Servlet, JSP, Struts 1.2 and 1.3, EJB 2.0, JPA 2.0,JavaScript, Ajax, WebServices.
* Possess sound knowledge in software design, Documentation, Development, testing and Reporting
* A competent professional with masters in computer application, having well developed skills in multiple software development languages and platforms who keep abreast of latest technologies
* A team player with strong communication, analytical, organizational and relationship management skills. Successful track record in accomplishing assigned projects within agreed cost & timelines

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| **Languages** | JAVA |
| **Knowledge Area** | Core Java, Servlet, JSP, Struts 1.2 and 1.3,EJB 2.0, JavaScript, Ajax, WebServices, developed desktop applications using Java Swing with application’s installer and customized un-installer using J-express. |
| **Operating System** | Windows Family |
| **Front End** | JSP, HTML |
| **Server Side** | Servlet, Java beans |
| **Database (Back-End Support)** | MS Access, Oracle 11g, DB2 ,SQL |
| **Scripting Language** | Java Script |
| **Architectures \Frameworks** | MVC, Struts |
| **Web Application Server** | JBoss-6.x, Jakarta-Tomcat-5.x |
| **IDE’s** | Eclipse Indigo, My Eclipse 5.0, Eclipse Galileo, Eclipse Ganymede, Eclipse JUNO, Netbeans IDE. |
| **Other Tools** | Jasper reports, Selenium, TOAD for ORACLE, SQL developer. |

**PROFESSIONAL SKILLS**

**NIIT LTD. Dec’12-Till Date Software Engineer**

**SHANKARA INSTITUTE OF TECHNOLOGY May’11-Nov’12**

**Software Engineer**

* Successfully handle the task of developing/managing different Application Modules as per customer requirement.
* Gained exposure in end-to-end development of software products from requirement analysis to system study, designing, coding, testing and debugging.
* Involved in requirement analysis, database design, coding, testing, implementation and maintenance of several software applications.
* Communicating with the customers, interviewing end-users to know the requirements and expectations of the customers.

**EDUCATIONAL DEVELOPMENT**

**B. Tech. in Computer Science (2007-2011)**

Rajasthan Technical University

**Date Of Birth:** 8th July, 1989; **Language Proficiency:** Hindi & English; **References:** Available On Request

**PROJECT ANNEXURE**

1. **Administration Support System For Medical Institutions**
   * Responsibility development
   * Technologies jsp, servlet ,
   * Application Server Tomcat
   * Database Server Oracle
   * IDE’s netbean5.0
   * Team Size 6

**Brief Description:** The main aim of our project is to provide a paper-less hospital up to 90%. It also aims at providing low-cost reliable automation of the existing systems. The system will also provides excellent Authentication of data at every level of user-system interaction and also provides robust & reliable storage and backup facilities.

* **Roles and Responsibilities:**

1. Created the Controller components for the module assigned to me.
2. Created the Business Logic for the module.
3. Written the SQL queries for the module.
4. **Synthesis media house**
   * Responsibility development
   * Technologies jsp, servlet
   * Application Server Tomcat
   * Database Server Oracle
   * IDE’s netbean5.0
   * Team Size 5

Brief Description: Synthesis is a media agency , which interacts with a customer on one end, and with the publisher on the other. they needed a software to fully atomize there work to maintain The records of direct customer as well as publisher customer. The application we developed gives an easy interface to interact with the database , manipulation of records, and generate bills.

* **Roles and Responsibilities:**

1. Created the Controller components for the module assigned to me.
2. Created the Business Logic for the module.
3. Written the SQL queries for the module.
4. **Centralized System For Mandi Association (Uttarkhand)**
   * Responsibility development
   * Technologies jsp, servlet
   * Application Server Tomcat
   * Database Server Oracle
   * IDE’s netbean5.0
   * Team Size 5

**Brief Description:** The main aim of our project is to save all data of mandi association in centralized manner. It also aims at providing low-cost reliable automation of the existing systems. The system will also provides excellent Authentication of data at every level of user-system interaction and also provides robust & reliable storage and backup facilities.

This project has two modules **1**.Admin Module **2.** Employer Module .

* **Roles and Responsibilities:**

1. Created the Controller components for the module assigned to me.

2. Created the Business Logic for the module.

3. Written the SQL queries for the module.

1. **Management Training Services (MTS) as Learning Management Solutions(LMS)**
   * Responsibility development
   * Technologies jsp, servlet, Struts 1.2 and 1.3, EJB, Webservices, Javascript, Ajax
   * Application Server Apache, Used Cygwin to simulate UNIX environment
   * Database Server Oracle
   * IDE’s Diferent versions of Eclipse
   * Team Size 5

**Brief Description:** This is a learning management solutions which is developed to fulfill organizational training requirements in the e-learning domain. It is a vast and robust product which provides extensive services for all types of training that can be conducted either online or offline using modules like classroom courses, self-paced courses and virtual courses. The product offers a learner site which is accessible by the learner or the employee seeking for necessary training or a qualifying exam or test. The data is maintained by the manage site which is only accessible by the administrator. These are dynamic in nature and the complete product offers branding also for different customers with minimal modifications that the customer requires.

This project has two modules **1**.Admin Site **2.** Learner Site

* **Roles and Responsibilities:**

1. Created several modules according to the customer requirements from customers like Philips, Shell, Turkish airlines, ITT and Redhat.

2. Created the Business Logic for different modules.

3. Written the SQL queries for the module.

4. Worked on different complicated bugs and successfully resolved them.

**DATE MILAN GAUR**

**Shalimar Precision Enterprises Online Solution**

**Introduction**

**Shalimar Precision Enterprises Pvt. Ltd.** has earned the reputation of a star trading house by manufacturing, exporting and supplying a wide range of the optimum quality and it has earned the reputation of a star trading house by manufacturing, exporting and supplying a wide range of the optimum quality **Automotive Spare Parts**. Established in **2011**, the company is experienced in the field and is reaching to the clients all over the world from New Delhi. Under the valuable guidance of **Mr. RajanKoccher**, the Director, the company is continuing its tradition by moving in line with the advancement in technology and the changing market demands.   
  
**Mission and Core Values**

Owing to the teamwork and proper training and motivation of our employees, we offer value solution to the auto need of our clients. Every employee works with the policy of offering complete satisfaction to the clients by making available quality products on a consistent basis. Reasonable pricing & timely delivery further adds to the delight of the clients, and our motto is "Quality at

**Quality**

We follow a strict quality inspection methodology. Our in-house testing facility ensures complete testing of the Automotive Spare parts for quality. Our products pass through multiplerounds of testing before finally reaching the client’s end. Modern measuring instruments, computerized testing facility, steel testing and heat treatment facility ensures perfection in terms of quality.

**Infrastructure**

We have many well-equipped manufacturing units in North India. Modern production facility like hi-tech machines, in accordance with the international standards ensures smooth and flawless production. Advanced R & D laboratory makes it possible to constantly introduce up gradation in terms of the range and quality of products & the production process. For safe delivery of the products, we have well-organized packaging unit. This company are design product like as

* [Automotive Lights](http://www.trucktrailorspares.com/automotive-lights.htm)
* [Water Pump](http://www.trucktrailorspares.com/water-pump.htm)
* [Auto Radiator Fan Blades](http://www.trucktrailorspares.com/auto-radiator-fan-blades.htm)
* [Propeller Shaft Parts](http://www.trucktrailorspares.com/propeller-shaft-parts.htm)
* [Tractor Parts](http://www.trucktrailorspares.com/tractor-parts.htm)
* [Mechanical Pulleys](http://www.trucktrailorspares.com/mechanical-pulleys.htm)
* [Engine Parts](http://www.trucktrailorspares.com/engine-parts.htm)

**Market**

The positive response of the clients has encouraged us at each and every step of production. Our Automotive Spare Parts are in demand across 28 states, in place like:

* DELHI
* HARYANA
* PUNJAB, ETC

**Goals and Objective**

**Shalimar Precision Co.**is dedicated to delivering its clients with the most appropriate based on **automobile parts** products in the industry. The drive to inculcate improvements and performance in our products has made us a distinguished Auto Parts Manufacturer, Exporter, Importer, Trader and Supplier. Our unsurpassed reputation for technical excellence and professional support has made us the foremost choice for all products including [Auto Electrical Parts](http://www.trucktrailorspares.com/auto-electrical-parts.htm), [Parabolic Leaf Spring](http://www.trucktrailorspares.com/parabolic-leaf-spring.htm), [Mechanical Pulleys](http://www.trucktrailorspares.com/mechanical-pulleys.htm), etc. Highly durable and efficient, our products have captured a vast share in the global markets.

We are constantly developing new techniques and technologies to remain in tandem with the changing market trends. To develop more durable and efficient products, we have extended our focus in modifying our manufacturing facilities. Outfitted with ultramodern technology and machinery, our production line has considerably increased our productivity and efficiency. Moreover, we are backed by engineers and technicians who keep up the manufacturing process going by providing rich expertise and assistance.   
  
**Our Competence**

Incorporation of cutting edge technology enables us to develop more technically and mechanically stabilized products in the industry. Our manufacturing division is furnished with all the equipment and current technology to ensure a standard of excellence unmatched in this domain. Continuous expansion of the manufacturing division and optimized manufacturing process enhances our productivity while reducing costs. Moreover, our expert team of professionals assists us in guaranteeing utmost satisfaction at cost effective prices.

**Product Index**

We feature excellence and performance in our products while maintaining competitive pricing structure. Manufactured in-house, our products are instilled with requisite features like robust construction, strength, performance, etc. We offer:

**Quality Assurance**

Our valuable insights in the needs of market have helped us in showcasing quality products. We have incorporated a total quality management procedure in our activities. Followed at all levels, it assists us in keeping a track of the entire process right from incoming raw materials throughout production till the final finishing of products. Consistent monitoring and inspection allows us to confirm our products' compliance with the industry production standards.

|  |  |
| --- | --- |
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|  |
| --- |
|  |

**Demerits of Existing Web-System**

The **demerits** of **existing Shalimar Precision Enterprises Online Solution**are as follows:

1. **Lack of control** - In current system the businesses lacks in the control since there is no physical restrictions over the files.
2. **Security and data concerns** - Access management and the privacy of sensitive information is a major consideration around the current system.
3. **Limited range of applications** - While software is becoming more popular, the current system which is based on files, is very much limited.
4. **Connectivity requirement** – the current system is file based that’s why it is not properly connected between the different modules and so between the employees.
5. **Data duplication**– Data duplication is a specialized data compression technique for eliminating duplicate copies of repeating data.If we have more copies of same data loaded in different files.
6. **Manually entry process**-Paper work can take up a significant amount of space, and this requirement will only get bigger as the number of documents you accrue grows.
7. **Increased costs**- File based systems require and highly skilled personnel and lots of time.The cost of maintaining the file-based system,and personnel required to operate and manage a database system can be substantial.
8. **Performance**–The file-based system is very low in-terms of performance.

**Merits of Proposed Web-System**

Since the newly proposed system in computer based, so there must be some advantages of it, so that the company feels comfortable in using it. Some of the **merits** of **proposed Shalimar Precision Enterprises Online Solution** are as follows:-

1. **Easy upgrades**- The software will provide up-to-date maintenance and up gradations to the company. Software as a service provider’s deal with hardware and software updates, deploying upgrades centrally to the hosted applications and removing this workload and responsibility from you.
2. **Organizationof Accessibility**- All you need to access a software application is a browser and an internet connection. This is generally available on a wide range of devices and from anywhere in the world.
3. **Scalability**- Web-siteprovides generally offer many subscription options and flexibility to change subscriptions as and when needed, e.g.when your business grows, or more users need to access the service.
4. **FullControl**-The complete control of the project is under the hands of authorized person who has the password to access this project and illegal access is not supposed to deal with.
5. **Security & data concern**-Security is the main criteria for the proposed system. Since illegal access may corrupt the database. So security has to be given in this project.
6. **Performance**-The company records are supposed to be manually handled for all the activities. The manual handling of the record is time consuming and highlyprone to error. To improve the performanceof the record database.
7. **Efficiency**-The basic need of the project is efficiency. The project should be efficient so that whenever a new customer record is added, or record is modified or deleted, the record is updated automatically.
8. **Data duplication**- Data duplication is the process where in a relation or portion of a relation is duplicated and those duplicated copies are stored in multiple sites to increase the availability of data.
9. **Paper process** -A paper based database will help a business have a record of proprietary information. You have easy access.You have an easy way of correcting things if it goes wrong.

**Project Category**

**RDBMS (Relational Database Management System)**

**ORACLE** server is the core back end storage software of **ORACLE Corp.** Entire database is highly secured which is stored in the back end and serves as a server for the client, and provides the entire feature offered by other **RDBMS** available in the market. **ORACLE** server maintains better Privacy, persistency and integrity with a marginal scope of usages.

**Modules**

The different **modules** which are present in the following **proposed Shalimar Precision Enterprises Online Solution** are as follows:

* **Enquiry Portal**
* **Customer Portal**
* **Employee/Supplier Portal**
* **Payment Portal**
* **Security Portal**
* **Inventory Portal**
* **Sales Portal**
* **Promotion Portal**

1. **Enquiry Portal :**

A good enquiry Portal saves you a lot of time and efforts to a company.Enquires are daily processes.A detailed communications report can be obtained from the system to check the admission status of company.Client can ask about the product details like cost, type, services, etc. We are following the company policy while providing sensitive information’s, employee can also enquire about schedule and bonus, supplier can also enquire about their % and targets.

**Web-Pages :**

* Customer Enquiry Page
* Employee Enquiry Page
* Supplier Enquiry Page

**Reports :**

* Customer Enquiry Daily Report
* Customer Enquiry Weekly Report
* Employee Enquiry Daily Report
* Employee Enquiry Weekly Report
* Distributor Enquiry Daily Report
* Distributor Enquiry Weekly Report

1. **Customer Portal :**

In this system,we maintain the record of customer where we can keep new customer data like name, phone number, address, etc.These credentials would be required for login and checked properly for security purpose. Wecan modify they customer data &generate reports for management or to help customer whenever they need it, it also allows them to work with company in a better manner.

**Web-Pages :**

* Customer New Entry Page
* Customer Modification Page
* Customer Deletion Page
* Customer Search Page

**Reports :**

* New Customer Daily Report
* New Customer Weekly Report
* New Customer Monthly Report
* Customer Deletion Weekly Report
* Customer Deletion Monthly Report

1. **Employee/Supplier Portal :**

In this system, we maintain the record of employee where we can keep new employee data like name, phone number, address, etc. we can modify they employee data.The employee assigned to particular services.The employees are provided with user name and password by the administrator.We are maintain the data of employee attendancewe are provided to employee like as salary, bonus. An order for purchasing items from a supplier. Processing of a purchase request will generally proceed only if the requester also holds an approved budget for the purchase. The supplier get it payment of percentage. The supplier maintainrecord of purchasing item. The supplier is very important of company who not only increases the orders but also carry the reputation of company.

**Web-Pages :**

* Employee New Entry Page
* Employee Modification Page
* Employee Deletion Page
* Employee Search Page

**Reports :**

* New Employee Daily Report
* New Employee Weekly Report
* New Employee Monthly Report
* Employee Deletion Weekly Report
* Employee Deletion Monthly Report

1. **Payment Portal :**

In this system, keeps check on the payments to be made and payments to be received from customers. The bill list generated for each services by this payment Portal.We maintain the details of employee payment to the company which reflects our income,employee salary which reflects our expenses with the supplier’s % & other petty cash expenses.

**Web-Pages :**

* Customer Payment Page
* Employee Salary Page
* Distributor Payment Page

**Reports :**

* Customer Daily Payment Report
* Customer Weekly Payment Report
* Customer Monthly Payment Report
* Employee Monthly Payment Report
* Distributor Weekly Payment Report
* Distributor Monthly Payment Report

1. **Security Portal :**

It is responsible to create login id and password as well as it maintains the details of username and password created, updated or login. Security system is very important to use the system in a controlled manner. Security system is responsible to create a system where UN-authorize person cannot access the system.

**Web-Pages :**

* Create User Page
* Change Password Page
* Modify Login Details

**Reports :**

* Daily User Login
* Weekly User Login

1. **Inventory Portal :**

In this system, we maintain the detail of total stock available, pending orders, order process with the details of sales, purchases as well.The record of current inventory sale. This module is very important to manage the inventory of company in a manner in which company do not get wastage of raw- material. This system is very important in-terms of system inventory management and order processing. A Purchase System we used to maintain the record of purchase, purchase return, top purchase item, top purchase management etc. we also can maintain the purpose of sales returns and what would be solution for which products are returned.

**Web-Pages :**

* Inventory New Entry Page
* Inventory Modification Page
* Inventory Deletion Page
* Inventory Search Page

**Reports :**

* Daily Inventory Report
* Weekly Inventory Report
* Monthly Inventory Report

1. **Sales Portal :**

A Sales Portalwe used to maintain the record of sale, sales return, and top sold item, top sales management etc. And we also can maintain the purpose of sales returns and what would be solution for which products are returned .That information can be record in sales Portal. In this system, Employees are provided to customer minimize the price.

**Web-Pages :**

* Sales Entry Page
* Sales Search Page
* Sales Return Page

**Reports :**

* Daily Sales Report
* Weekly Sales Report
* Monthly Sales Report
* Weekly Sales Return Report
* Monthly Sales Return Report

1. **Sales Portal :**

The Promotional Portal are promote to product in market. The Promoter are convince to customer purchase my product. The promoter provide less product price therefore, the customer purchasing the product.

**Web-Pages :**

* Promote Product Entry Page
* Promote Product Modification Page

**Reports :**

* Daily Promote Report
* Weekly Promote Report
* Monthly Promote Report

**Level 0 or Context Free Diagram**

**Data Flow Diagram(DFD)**

MANAGEMENT

SALES

EMPLOYEE

Enquiry about income& expenses and report

Report Provided

Report Provided

Enquiry about work and salary

Enquiry about salary & bonus

0.0

0.0

Report Provided

Enquiry about transaction

Report Provided

Information about cost and product

BANK

Report Provided

Enquiry about product needs & discount

Report provided

CUSTOMER

SUPPLIER

**Level 1**

CUSTOMER

**MANAGEMENT**

Enquiry about product and discount or offer

Report provided

End

Query about enquiry report

Report Provided

1.0

Report Provided

Report provided

Enquiry for customer details & product details

Request for records

Record Provided

Enquiry about product needs & discount

**ENQUIRYFILE**

**EMPLOYEE**

SUPPLIER

CUSTOMER

**MANAGEMENT**

Query about Employee management report

Report provided

Enquiry about new customer record

Report Provide

2.0

Report Provided

Request for Employee record

Report Provided

Request for work schedule

**CUSTOMER FILE**

**EMPLOYEE**

**MANAGEMENT**

Enquiry about and stock report

Report Provided

3.0

Report Provided

Report provided

Enquiry about Stock transaction

Enquiry for records

**EMPLOYEE**

**EMPLOYEE FILE**

**MANAGEMENT**

CUSTOMER

Enquiry about payment transaction

Report Provided

Enquiry about distribution report

Report Provided

4.0

Enquiry about payment transaction

Report Provided

Enquiry for patent record

Report provided

**EMPLOYEE**

Enquiry about payment transaction

Report Provided

**PAYMENT FILE**

SUPPLIER

**MANAGEMENT**

Enquiry about export management report

Report Provided

5.0

Report Provided

Enquiry about employee secure data

Enquiry about Security management transaction

Report provided

**EMPLOYEE**

**SECURITY FILE**

Enquiry about security data transaction

Report Provide

SUPPLIER

**MANAGEMENT**

Report Provided

Enquiry about Employee log in report

6.0

Enquiry for record

Report Provided

Report Provided

Enquiry for about inventory info.

**EMPLOYEE**

**INVENTORY FILE**

Report Provided

Enquiry for requirement of inventory

SUPPLIER

**MANAGEMENT**

Report about office expense

Report Provided

7.0

Request for total sales transaction

Report provided

Report provided

Enquiry sales item transaction

Enquiry provide sale item in minimize price

Information provided

**SALES FILE**

**EMPLOYEE**

**CUSTOMER**

**MANAGEMENT**

Query about Promotion report

Information provided

8.0

Request for sale

Report Provided

Report Provided

Enquiry about Promotion transaction

**PROMOTION FILE**

**EMPLOYEE**

**Level 2**

**ENQUIRY ENTRY FILE**

**EMPLOYEE**

Request about enquiry entry

1.1

Report provided

Enquiry of purchase records

Report provided

Report provided

Enquiry about product entry detail

Report Provided

Query about enquiry entry report

CUSTOMER

**MANAGEMENT**

Enquiry about enquiry updating record

Report Provided

1.2

Report Provide

Enquiry about product updating

Report provided

Enquiry about enquiry updating transaction

Enquiry for updating of enquiry records

Report accepted

**EMPLOYEE**

**UPDATION FILE**

**CUSTOMER FILE**

2.1

Report Provided

Report Provided

Enquiry about customer entry transaction

**EMPLOYEE**

Enquiry about customer entry report

Enquiry about new customer detail

Report Provided

Report Provided

**MANAGEMENT**

CUSTOMER

Report Provided

2.2

Enquiry about customer detail modify

Report provided

Enquiry about customer

Report Provided

Report Provided

Enquiry about customer detail

Request for customer record

**EMPLOYEE**

**CUSTOMER FILE**

**EMPLOYEE SALARY FILE**

**EMPLOYEE**

Report Provided

Enquiry for Employee salary

Enquiry about salary

3.1

Report provided

Report provided

Enquiry about Employee salary transaction

Report Provided

Report Provided

Query about Employee salary record

**MANAGEMENT**

**BANK**

3.2

Enquiry about new Employee salary report

Information provided

Enquiry for new Employee entry transaction

Report Provided

Request for record entry

Report Provided

**EMPLOYEE FILE**

**EMPLOYEE**

**SUPPLIER PAYMENT FILE**

**EMPLOYEE**

Enquiry for distributor payment records

4.1

Report Provided

Enquiry about distributor payment transaction

Report Provided

Report Provided

Enquiry about supplier payment report

Report Provided

Enquiry about payment

**MANAGEMENT**

SUPPLIER

Report Provided

Enquiry about new supplier entry

4.2

Report Provided

Enquiry about new supplier payment

Enquiry for new supplier entry transaction

Information provided

Report Provided

Request about new supplier transaction

Report Provided

EMPLOYEE

Distributor FILE

**LOGIN FILE**

5.1

Enquiry for log in file

Report Provided

Enquiry about log in transaction

Report Provided

**EMPLOYEE**

Report Provided

Enquiry about log in customer

Enquiry for new supplier login

Report provided

SUPPLIER

**MANAGEMENT**

5.2

Enquiry about modified customer

Enquiry for data modify

Report Provided

Report Provided

Enquiry for updating

Enquiry for customer record modification

Report Provided

Report Provided

**LOGIN FILE**

**EMPLOYEE**

**INVENTORY FILE**

**EMPLOYEE**

6.1

Report Provided

Enquiry about inventory entry system

Enquiry about inventory entry transaction

Report Provided

Enquiry about inventory entry report

Report Provided

Enquiry about requirement of invention entry

Report Provided

SUPPLIER

**MANAGEMENT**

6.2

Enquiry about requirement of inventory data modify

Report Provided

Enquiry about inventory report

Report Provided

Report Provided

Enquiry about inventory detail

Report Provided

Request for inventory view

**INVENTORY FILE**

**EMPLOYEE**

**SALES ENTRY FILE**

**EMPLOYEE**

7.1

Enquiry of sales records

Report provided

Enquiry about sales entry transaction

Report Provided

Report Provided

Enquiry about sales entry report

Report Provided

Enquiry about sales item detail

CUSTOMER

**MANAGEMENT**

Enquiry about sales updating record

7.2

Report Provided

Report Provided

Enquiry about sales item detail update

Report Provided

Enquiry about sales updating transaction

Enquiry for updating of sales records

Report accepted

**UPDATION FILE**

**EMPLOYEE**

**PROMOTION RECORD FILE**

8.1

Request about Promotion report transaction

Report Provided

Enquiry for Promotion record

Report Provided

**EMPLOYEE**

Report provided

Enquiry about Promotion record

**MANAGEMENT**

8.2

Enquiry about promotion modification

Report provided

Report Provided

Request for Promotion record file

Enquiry about Promotion record modification

Report Provided

**PROMOTION FILE**

**EMPLOYEE**

**ER Diagram**

**Has**

**M**

**EMPLOYEE**

**management**

**1**

**Gets salary from**

**SupplieR**

**Pays** in

**Makes transaction with**

**MANUFACTURE**

**bank**

**M**

**Promotional**

**M**

**M**

**M**

**Is used** in

**Purchases**

**Pays**

**M**

**PRODUCT**

**M**

**M**

**CUSTOMER**

**M**

**SUPPLIER**

**Data-Base Tables**

**Normalisation is made and the following tables are found.**

|  |  |  |  |
| --- | --- | --- | --- |
| ENQUIRY FILE | | | |
| Data-field | **Data-type** | **Description** | **Constraint** |
| C\_ID | Numeric | Enquiry ID | Primary key |
| C\_TYPE | Char | Enquiry Type | Not Null |
| C\_QUE | Char | Enquiry Question | Not Null |
| S\_ANS | Char | Enquiry Answer | Not Null |

|  |  |  |  |
| --- | --- | --- | --- |
| EMPLOYEE FILE | | | |
| Data-field | **Data-type** | **Description** | **Constraint** |
| E\_ID | Numeric | EMPLOYEE id | Primary Key |
| E\_EMAIL | Char | EMPLOYEE Email Address | Not Null |
| E\_NAME | Char | EMPLOYEE Name | Not Null |
| E\_ADD | Char | EMPLOYEE Address | Not Null |
| E\_CITY | Char | EMPLOYEE City | Not Null |
| E\_STATE | Char | EMPLOYEE State | Not Null |
| E\_GND | Char | EMPLOYEE Gender | Not Null |

|  |  |  |  |
| --- | --- | --- | --- |
| CUSTOMER FILE | | | |
| Data-field | **Data-type** | **Description** | **Constraint** |
| C\_ID | Numeric | CUSTOMER ID. | Primary key |
| C\_NAME | Char | CUSTOMER Name. | Not Null |
| C\_PH | Numeric | CUSTOMER Phone NO. | Not Null |
| C\_ADD | Char | CUSTOMER Address. | Not Null |
| C\_EMAIL | Char | CUSTOMER E-mail Address | Not Null |
| C\_CITY | Char | CUSTOMER city | Not Null |
| C\_STATE | Char | CUSTOMER state | Not Null |

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| PAYMENT FILE | | | |
| Data-field | **Data-type** | **Description** | **Constraint** |
| C\_ID | Numeric | CUSTOMER ID. | Primary key |
| C\_NAME | Char | CUSTOMER Name. | Not Null |
| C\_PH | Numeric | PhoneNO. | Not Null |
| E\_ID | Numeric | EMPLOYEE ID. | Not Null |
| E\_NAME | Char | EMPLOYEE Name. | Not Null |
| E\_PH | Numeric | PhoneNo. | Not Null |
| S\_ID | Numeric | SUPPLIER ID. | Not Null |

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| SECURITY FILE | | | |
| Data-  field | **Data-type** | **Description** | **Constraint** |
| C\_ID | Numeric | User ID | Primary key |
| C\_TYPE | Char | User type | Not Null |
| C\_PASS | Char | User Password | Not Null |
| S\_QUES | Char | Security Question | Not Null |
| S\_ANS | Char | Security Answer | Not Null |

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| INVENTORYFILE | | | | | | | | |
| Data-field | | | **Data-type** | | **Description** | | **Constraint** | |
| INV\_ID | | | Numeric | | Inventory ID | | Primary key | |
| PRO\_ID | | | Numeric | | Product ID | | Foreign key | |
| UN\_PRC | | | Numeric | | Unit Price | | Not Null | |
| PRO\_QTY | | | Numeric | | Product Quantity | | Not Null | |
| GRD | | | Numeric | | Product Grade | | Foreign key | |
| SALES FILE | | | | | | | | | |
| Data-field | **Data-type** | | | | **Description** | | | **Constraint** | |
| S\_ID | Numeric | | | | Sales Id | | | Primary key | |
| PRO\_ID | Numeric | | | | Product Id | | | Foreign Key | |
| PRO\_QTY | Numeric | | | | Product Quantity | | | Not Null | |
| PRO\_PRICE | Numeric | | | | Product Price | | | Not Null | |
| SUPPLIERR FILE | | | | | | | | | |
| Data-field | | **Data-type** | | **Description** | | **Constraint** | | | |
| SUP\_ID | | Numeric | | Supplier ID | | Primary key | | | |
| SUP\_NAME | | Char | | Supplier Name | | Not Null | | | |
| SUP\_PH | | Numeric | | Supplier Phone No. | | Not Null | | | |
| SUP\_ADD | | Char | | Supplier Address | | Not Null | | | |
| SUP\_EMAIL | | Char | | Supplier E-mail Address | | Not Null | | | |
| SUP\_CITY | | Char | | Supplier City | | Not Null | | | |
| SUP\_STATE | | Char | | Supplier State | | Not Null | | | |

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| PROMOTIONAL FILE | | | |
| Data-field | **Data-type** | **Description** | **Constraint** |
| PRM\_ID | Numeric | Promoter ID | Primary key |
| PRM\_NAME | Char | Promoter Name | Not Null |
| PRO\_PRICE | Numeric | Product Price | Not Null |
| PRO\_ID | Char | Product ID | Foreign Key |
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| MANAGEMENT FILE | | | |
| Data-field | **Data-type** | **Description** | **Constraint** |
| M\_ID | Numeric | Management ID | Primary key |
| M\_HEAD | Char | Management head | Not Null |
| M\_DESG | Char | Management Description | Not Null |
| M\_TYPE | Char | Management type | Not Null |
| M\_MBR | Char | Management Members | Not Null |

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| BANK | | | |
| **Data-field** | **Data-type** | **Description** | **Constraint** |
| B\_ID | Number | Bank ID | Primary Key |
| B\_BRANCH | Char | Bank Branch | Not Null |
| B\_NAME | Char | Bank name | Not Null |
| B\_CITY | Char | Bank city | Not Null |
| B\_ADD | Char | Bank address | Not Null |
| B\_EMAIL | Char | Bank E-mail  Address | Not Null |

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| EMPLOYEE ATTENDANCE RECORD FILE | | | |
| Data-field | **Data-type** | **Description** | **Constraint** |
| AT\_ID | Numeric | Attendance id | Primary Key |
| E\_ID | Numeric | EMPLOYEE ID | Foreign key |
| DATE | Char | Attendance Date | Not Null |
| Attend | Char | Attendance | Not Null |

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| --- | --- | --- |
| EXPENSE | | |
| Data-field | **Data-type** | **Description** |
| EX\_ID | Numeric | Office expense ID |
| EX\_TYPE | Char | Office expensetype |
| EX\_AMOUNT | Numeric | Office expense amount |
| EX\_DATE | Numeric | Office expense date |
| EX\_DES | Char | Office expense description |

TOOLS/PLATFORM, HARDWARE

& SOFTWARE REQUIREMENT

software:

**FRONT-END**: JSP, SERLET, CSS

**BACK-END**: ORACLE

**EDITOR:**NETBEANS 8.1

**OPERATING SYSTEM**: WINDOWS 7

HARDWARE:

**PROCESSOR:** DUAL CORE

**RAM:** 1 GB

**HARD DISK:** 160 GB

**MONITOR:** 15.5’’

**Future Scope**

This Web-site is of great importance for all manufacturing companies as it can help them to execute each event by visualizing concepts, budgeting and planning. In the present context, this Web-site can help a lot to manufacturing management companies, which do not have a great strength of employees but desire to maximize their profit. This Web-site is really very useful and efficient to manage and arrange events on time and it also reduces loss too.

This Web-site has proved to be an instrument for the development of company which needs a good decision support system for the management. As the basic trend of market does not change, this Web-site has tremendous potential to fulfill the CUSTOMER needs at present and in future too.

This Web-site can be converted into app-based system with little modifications. This project can also provide SMS facility to the distributors, customers related to the company in future.