



Procurement System for MyChoco Factory

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Abstract— The project entitled “Procurement System for MyChoco Factory” is aimed at maintaining all the necessary activity schedule of various operation, maintenance tasks of different department of the factory. The admin can store the details of the chocolates that are imported. The customers have to register. Once registered, they can view the chocolates that are available and place orders that are placed and can take the necessary activities and plan for chocolate making. This project will help to register total workers employed in the factory, the chocolates imported from other companies and exported to other places.

The system comprises of several modules some of which are implemented as web forms. The implementation was based on the requirements of the user and also based on the compatibility of the system. The system is aimed at automating the functions of the department like Product add, Product modify, Product delete, employee add, Employee modify, Employee delete, User login, view, order, etc.

Keywords— Production, Procurement, Stock

I. INTRODUCTION

In the existing factory management system, monitoring the stock levels is a tedious task. It is very time consuming to manage the necessary activity schedule of various operations and maintenance works in the factory.

Additionally, it is difficult to calculate or keep track of the amount of work done, make records of accidents and inspections, and retrieve previous records. The existing system is very costly and time consuming, so computerization is inevitable.

DISADVANTAGES OF EXISTING SYSTEM

1. The current system provides the user with only the information required or searched.
2. Authenticity of the user is not analyzed i.e. all the users are allowed to access the available information
3. Authenticity of the information is not analysed while including the information in the portal
4. User level hierarchies are not maintained and hence activities performed by a user are not defined. i.e. any user can perform any activity in the portal

PROPOSED SYSTEM

The proposed factory info management project maintains all the necessary activity schedule of various operations cum maintenance tasks in different departments of the factory. It keeps track of maintenance activities, accidents occurred, diseases and poisoning, inspections, etc. This platform provides a suitable platform to add, edit, query, prioritize, and delete the maintenance works.

ADVANTAGES OF PROPOSED SYSTEM

1. Links or pages related to the currently searched item are also displayed along with the actual searched entry. This provides the user with extra information that has relationship with the current information
2. User authenticity is maintained by providing the user with logins and passwords
3. Only users with administrator rights are allowed to add or alter the information present and hence information authenticity is maintained.
4. User level hierarchies provide necessary levels of rights to the users.

II. METHODOLOGY

The mini project entitled “Procurement System for MyChoco Factory” for synthesizing events with dynamic database, administered from FORUM using MICROSOFT DOT NET. The modules in the project are:

1. Home Page
2. Log In
3. Product Details
4. Sales
5. Employee Details
6. User Login
7. User view
8. User Order

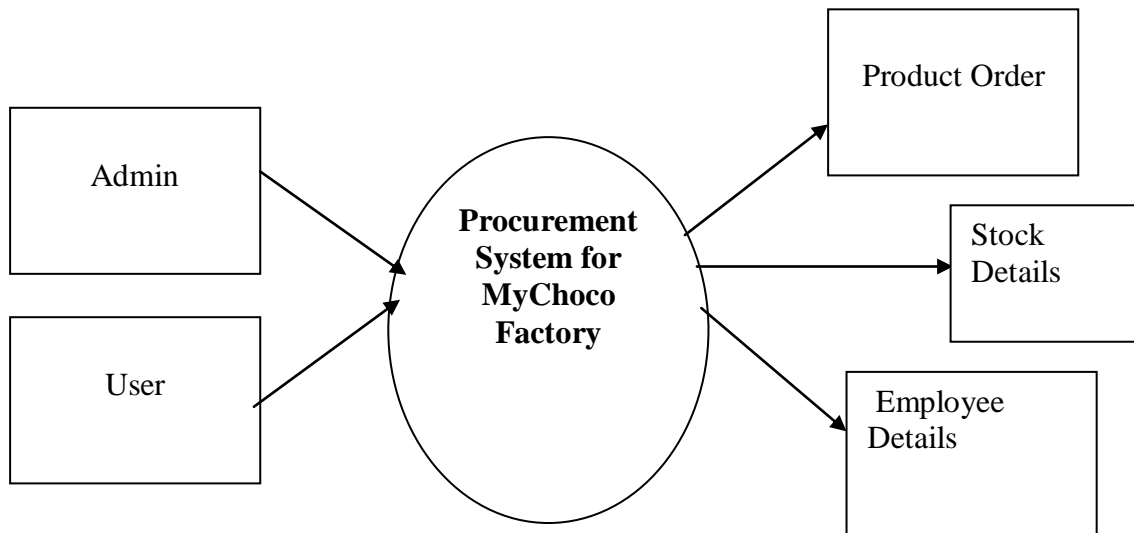


Fig 1 Data Flow Diagram of Procurement System for MyChoco Factory

Home Page

The home page module gives the detailed description of the Chocolate Factory and it contains the links for the other pages. Home page is the starting page of the project to start the procedure in the home page. In homepage contain details description about the factory details. Home page displays the logo, phone number and address of the factory details also to be given in home page. This module provides the sitemap for the entire website. From home page only we will be able to go the next of further links as discuss in details. About us, contact details to be given to the next of the home page in this project. Sitemap link is used to go to other modules in the view of details to be displayed. Provide the link to go next pages or modules. The home page is only for the users view. Admin cannot have the home page. In the home page users can view the factory advertisements, factory details.

Log In

This module validates the admin and verifies username and password. If the username and password is incorrect, an error message is produced.

Product Details

Product Add module in this project provides detailed information about the chocolates available, new innovations in the chocolate products, insert process done by the admin only. User can to see all the chocolates available in the factory option to be viewed in the page to the customer view in the project. Product Modify module in this project provides detailed information about the chocolates available, new innovations in the chocolate products, modify process done by the admin only. User can to see all the chocolates available in the factory option to be viewed in the page to the customer view in the project. Product Delete module in this project provides detailed information about the chocolates available, new innovations in the chocolate products, delete process done by the admin only. User can to see all the chocolates available in the factory option to be viewed in the page to the customer view in the project.

Sales

This module manages details of the sold chocolates. As the customer make an order. The invoice is produced through this module.

Employee Details

Employee Add module session contain how many employees are there and ID, name, details, phone no, address, basic salary, qualification, and what kind of work they do all the details are available in the page. Admin can view, edit, add something in the employee Add details module page in this project. Employee Modify module session contain which employee's need update and modify the necessary things to be updated in this module of the project. ID, name, details, phone no, address, basic salary, qualification, and what kind of work they do all the details are available in the page. Admin can view, edit, add, modify something in the employee Modify details module page in this project. Employee Delete module session doing how many employees are not needed and remove or delete those employees are going to be done in this session and ID, name, details, phone no, address, basic salary, qualification, and what kind of work they do all the details are available in the page. Admin can view, edit, delete something in the employee Delete details module page in this project.

User Login

User needs to visit factory website for buying their wanted chocolates. It requires user login authentication entry in this project. User login allows user to search their wanted chocolates and also make way for buy it.

User View

In this module user see new arrival chocolates, new innovative chocolates and also available chocolates are to be shown for customer as well as user are to be done in this session.

User Order

The User Order module provides the various options for the module. In this modules have four options like Chocolate product selection, no of quantity, price, total cost of booking chocolate products. User clicks the option it will display the details of the page.

III. TESTING

Testing is a key component of any application deployment project. The testing process determines the readiness of the application. Therefore, it must be designed to adequately inform deployment decisions. Without well-planned testing, project teams may be forced to make under-informed decisions and expose the business to undue risk. Conversely, well-planned and executed testing can deliver significant benefit to a project, including:
TEST CASE 1

During the development of the application, every section of code is evaluated and the application is made to execute several times in several popular browsers to check for any compatibility issues arriving at any section of the code. Several check points were created such that if any error occurred at any point where rectified once it was detected. The flow of the data is also checked such that data is not lost during the course of the application.

Module Name: Product Add

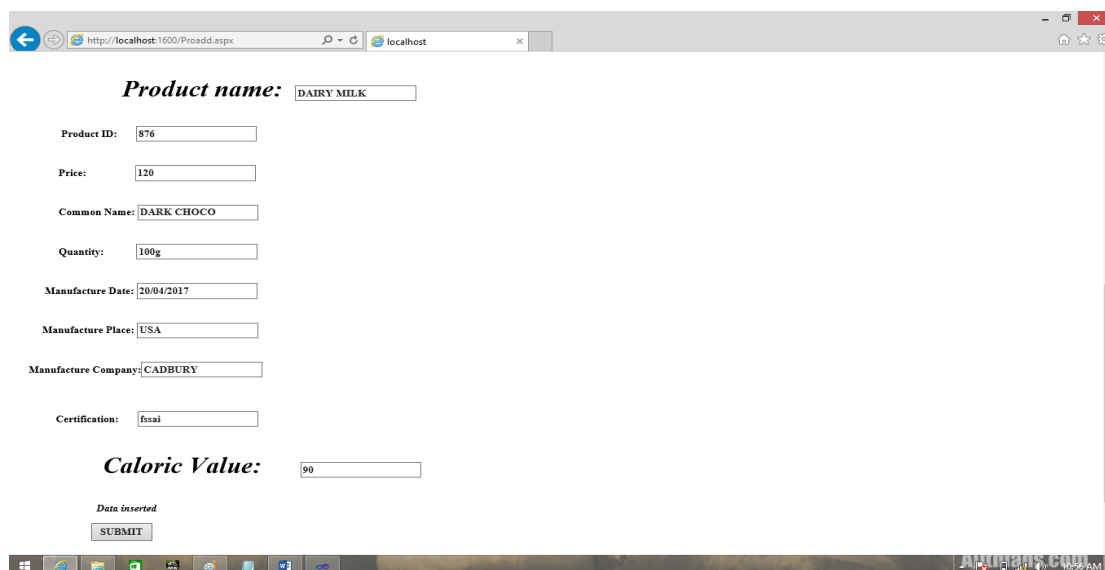


Fig 2 Module of Adding the Product

Product Add module in this project provides detailed information about the chocolates available, new innovations in the chocolate products, insert process done by the admin only. User to see all the chocolates available in the factory option to be viewed in the page to the customer view in the project.

Testing Done

All the fields are successfully stored in the database then the confirmation message “Data inserted” has been displayed.

TEST CASE 2

Module Name: Employee details

Employee Add module session contain how many employees are there and ID, name, details, phone no, address, basic salary, qualification, and what kind of work they do all the details are available in the page. Admin can view, edit, add something in the employee Add details module page in this project.

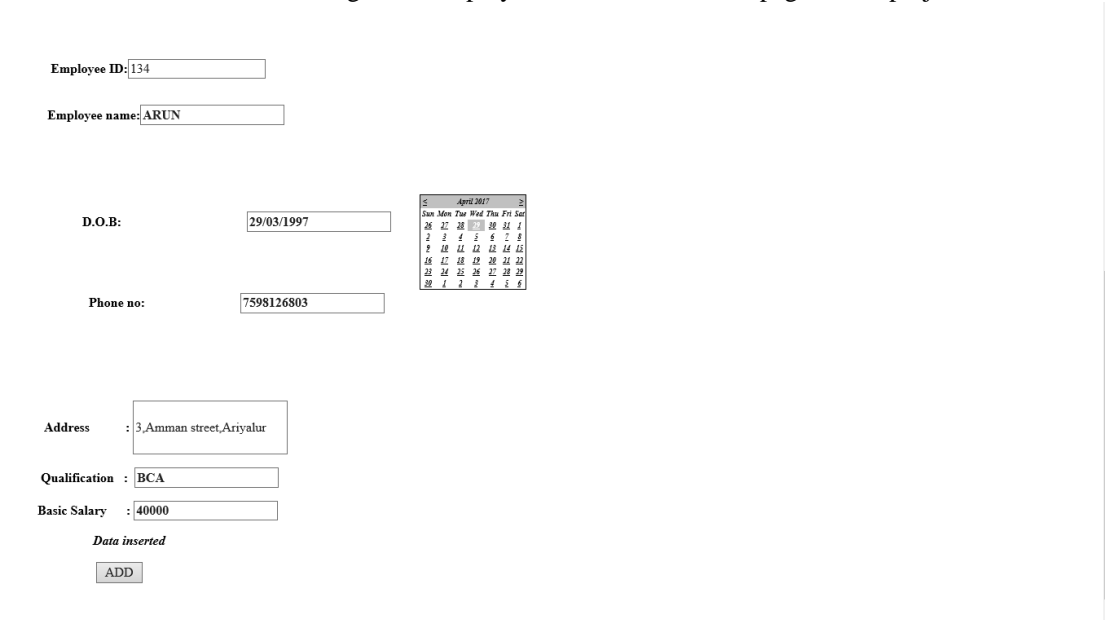


Fig 2 Module of Employee Details

Testing Done

All the fields are successfully stored in the database then the confirmation message “Data inserted” has been displayed.

TEST CASE 3

All the data are interlinked between the modules. Though modules reside in separate directories, the data associated with them are same. Once the events are created by the administrator, a page for that event is

created automatically with all necessary details; the event is added to the Registration module to help to register the participants to that event. Similarly once the participant is registered to an event, the participant is automatically added to that event and the details are managed by the administrator. Again once the event is started, administrator tracks the progress of the event. Hence every module's data are interlinked.

FIVE STAR	778	100	DARK CHOCO 80g	21/03/2017	INDIA	CADBURY	fssai	90
DAIRY MILK	876	120	DARK CHOCO 100g	20/04/2017	USA	CADBURY	fssai	90
Milkybar	124	100	Milk choco	20/03/2017	INDIA	Nestle	isi	80

Product id :

Product name :

Common name :

Price :

Quantity :

Manufacture Date:

Manufacture Place:

Manufacture Company:

Certification :

Caloric value :

Query executed

<http://localhost:1600/pmodify.aspx>

Fig 3 Module of Company Manufacturing

TEST CASE 4

Validation succeeds when the software works in a manner expected by the customer. Software validation is achieved through a series of black box tests that demonstrate conformability with requirements.

Validation testing refers to the process of using software in a live environment in order to find errors. During the course of validation of system, a failure may occur and the software needs to be modified. The feedback from the validation phase generally produces changes in the software to deal with errors and failures are uncovered.

Module Name: Product Details

Here the user has not enter the product name in adding product in the module. So validator predicts to display the error message.

Product name: *Kindly enter the name*

Product ID:

Price:

Common Name:

Quantity:

Manufacture Date:

Manufacture Place:

Manufacture Company:

Certification:

Caloric Value:

Label

<http://localhost:1600/Proodd.aspx>

Fig 4 Validation Testing of Products

TEST CASE 5

Module Name: Product Details

Here the user has not enter the quantity in the module. So validator predicts to display the error message.

Testing Done

Input : Product name empty & Quantity give in characters

Output : Kindly enter the name & Enter only integer values

The application showed the product name enters wrongly when the admin miss the product name field in the project.

The application showed the quantity enter only integer values.

TEST CASE 6

Module Name: User Login

If the user enters a miss match password, the application has to indicate the user to enter the correct match password.

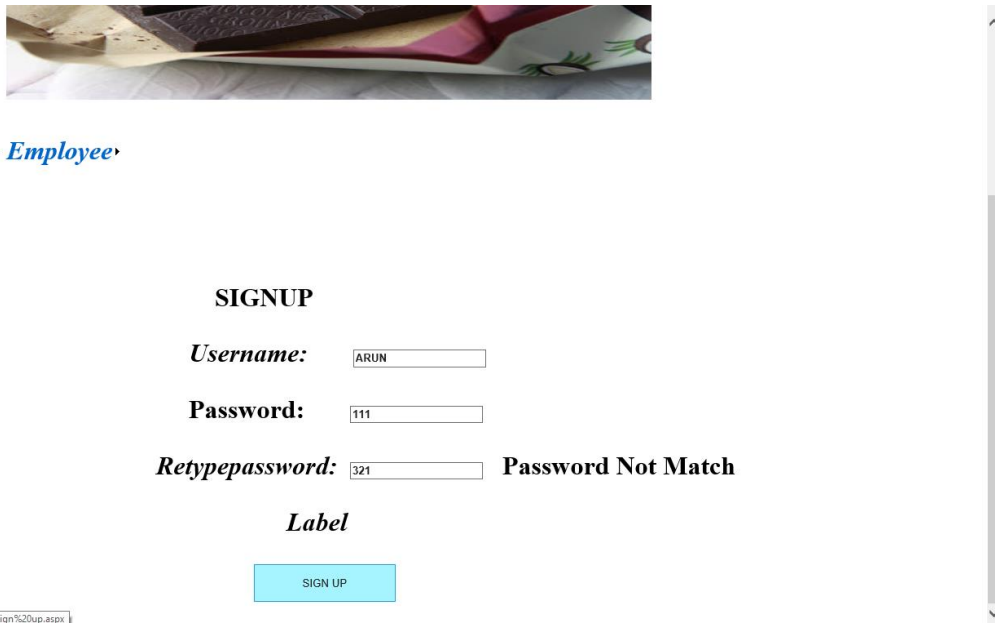


Fig 5 Output Form of Sign Up

Testing Done

Input : miss match password

Output : "Password Not Match"

The application showed the compare validator error when the user enters the invalid password.

IV. CONCLUSION

This factory information management system (factory statistics .net project) is developed in such a way that future modifications can be done easily. A searching option could be added such that one can directly search to the particular product factory from this site. It has been noted that automation of the entire FMS system improves efficiency, providing a more user-friendly graphical interface. Currently the system gives access to all authorized users and effectively overcomes the delay in communications. System security, data security, and reliability are all very good.

V. FUTURE ENHANCEMENT

Chocolates details are Add and View only by administrator not by the Customers/Users. Mobile extension of the project we can input the data in the input method. The report facility could be provided in such a way that they could be view from mobile phones are added in future extensions. Most of the module further expands to support SMS service, feedback. So that the output will where ever they are.

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