School of Engineering

Christian Brothers University

Invoice and Inventory Management System - Project Outline

The Engineering Management Capstone Project

Submitted in Partial Fulfillment for the Degree of Master of Science in Computer Information Systems

By:

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1. Introduction:

The project Invoice and Inventory Management System is a complete desktop-based application designed on Java technology using Eclipse. The main aim of the project is to develop Invoice and Inventory Management System Model software in which all the information regarding the stock of the organization will be presented. This desktop application is based on the management of the stock of an organization. The project’s main objective is to integrate all the useful information about Invoice and Inventory Management.

Requirements of the projects which are completed as of now.

* Home Page:

On the home page, we have added a navigation bar that contains a Login page for users and admin as well, a Registration page for users, a Contact us page, and an About us page.

* Login page for admin:

We have a select option where we can select the type of user. Suppose we want to log in as Admin, we need to select the admin option from the drop-down list and enter the admin id and password. After logging in with admin credentials, we added a navigation bar containing view users, product form, product list, and logout functionality.

* Registration page for Users:

On this page, we can fill in the necessary fields and register as users. Once the user is created the request will go to the admin. Admin should accept the request of the user.

* Login for Users:

Once the admin accepts the requests, the user can log in with the credentials. The user should select the user from the drop-down list and enter the id password. As we log in with user credentials, we have a navigation bar that contains the view profile, change the password for the user, and logout functionality.

* View Users in admin:

This functionality is added for the admin to accept the request whenever a new user is created. We can view the profile of the users and how many users are there.

* Add product form:

In this functionality, we can add new products by filling in the necessary fields in the form.

* Product list:

Here we can view all the products which we added with all the details.

* Logout functionality:

We have the option for logging off from admin.

* View profile:

This functionality is added to view the details of the user profile.

* Change the password for Users:

In this functionality, we can change the password for users.

* Logout functionality for Users:

We have the option for logging off from users.

* Contact Us:

We have added a contact us page on the cover page of the project. On this page, we have added the map of our college, the Address of the college, Contact numbers, and email ids.

* About Us:

We have added an about us page on the cover page of the project. On this page, we have added the details of the developers who are involved in the project.

We have taken up the project for the following reasons:

* To make a desktop-based application of IIMS for a small organization.
* To make the system easily managed and can be secured.
* To cover all the areas of IMS like purchase details, sales details, and stock management.

1. Related Facts and Background:

* We are trying to make this web application to be handled very efficiently as small organizations don’t invest much time to use technology. If we make this application to be handled in an easier way it will be very much helpful to small-scale business organizations.
* Till now the project is going according to our plan although we got some issues while developing the project we handle to overcome with the problems. We got an issue with database connectivity which is now been resolved.
* The requirements we added to the project are working as expected. The results of all the functionalities and requirements are working fine without any issues.
* In the future we will add more functionalities like adding brands, adding categories, generating bills, sending an email or message to the customers whenever we generate bills, adding customers, view the generated bill report based on the dates.

1. Conclusion:

To conclude, the Invoice and Inventory management system is a simple web-based application. We are taking the references from others inventory management system applications and enhancing the application to be handled more efficiently and to be secure.

1. Recommendations: As of now the project is going smoothly.