A

Minor Project Report

On

GST Billing System & Payment Gateway

Bachelor of Technology

in

Computer Engineering

By

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Under Supervision of

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ACKNOWLEDGEMENT

We would like to express our gratitude to JC Bose University of Science & Technology for giving us the opportunity to undertake this project. We would also like to thank Juhi Mam /Ashleesha Mam for persuading us to get out of our comfort zone to create something new that surely enhanced our understanding of the subject. Also, we express sincere gratitude to our mentor Ms. Neelam Duhan Mam for guiding us and providing support to complete this project.

DECLARATION

We, hereby declare that the minor project "Billing System $ Payment Gateway" is completed by us and us alone under the supervision of our mentor Dr. Neelam Duhan Mam.

Sahil (19001003108)

Sourav Soni (19001003130)

CERTIFICATE

This is to certify that the project titled "Billing System $ payment gateway" is submitted by Sahil (19001003108) and Sourav Soni (19001003130) for the partial fulfilment of the requirements for the degree of Bachelor of Technology (B.Tech.) embodies the Bonafide work done by them under my supervision.

Dr. Neelam Duhan

Signature:

INTRODUCTION

Our project name is "Billing System $ Payment Gateway" is a GST Billing System that enables you to add products and items, create customers and users, and generate as many invoices, receipts and quotes as you want. The system provides some other awesome features which include instant invoice calculations for items, quantity, Taxes / VAT and total without any extra effort.

PROJECT DESCRIPTION

This software is developed to manage the bill submission process in shop or organization. Using this system shop employee can generate bill with GST calculation for customer for his purchase and can also print its bill copy for customer. In Inventory Maintenance & Billing using GST system employee can save bill & its details. Employee can submit bill of various amount. The main propose of this Inventory Maintenance & Billing using GST system project is developing a system that automate the bill submission and GST calculation with bill print. In retail, wholesale shop or buy and sale goods organization bill submission and GST billing calculation are very tiresome work and maintaining the record of bill is very difficult and time consuming. In present system, user has to work manually to maintain bill .

Features

- Easy Layout.
- Generate Invoices and receipts PDF Support
- Unique bill numbers
- Functionality to create invoice item each time or choose from database.
- Functionality to choose TAX.
- Generate downloadable PDF files
- And lot more...

CHARACTERSTIC OF THE PROPOSED SYSTEM

➢ **Easiness in modification of data:** The proposed system provides managing of huge data effectively and efficiently for efficient results, storing the details of the customers, employees etc. in such a way that the database can be modified.

➢ **User friendly:** The proposed system is user friendly because the retrieval and storing of data is fast and data is maintained efficiently. Moreover, the graphical user interface is provided in the proposed system, which provides user to deal with the system very easily.

➢ **Reports are easily generated:** Reports can be easily generated in a proposed system. So, any type of reports can be generated in a proposed system, which helps the managers in a decisions-making activity.

- **Sharing the data is possible:** Data can be shared in proposed system. This means that two or more persons can use the same data in existing system provided that they have right to access that data. Also, the two or more departments in an organization can easily interact with each other without the actual movement of data.

- **No or very few paperwork:** The proposed system either does not require paper work or very few paper works is required. Since all the data is kept in a database no data of the organization can be destroyed. Moreover, work becomes very easy because there is no need to keep data on papers.

- **Support strategic competitive advantage:** Proposed system supports strategic competitive advantages. Since the proposed systems provide easiness in reports generating it will provide strategic advantages among competitors.

- **Computer operator control:** Computer operator control will be there no errors. So, work can be done speedily and in time. On home page user will find the problem option where their reported problems published any visitor who wants to solve their problem can post their solution and their answer will also be published with their name and problem id.

Tools and Technology Used:

✓ <u>PHP</u>

PHP started out as a small open-source project that evolved as more and more people found out how useful it was. Rasmus Leadoff unleashed the first version of PHP way back in 1994.

- PHP is a recursive acronym for "PHP: Hypertext Preprocessor".
- PHP is a server-side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites.
- It is integrated with a number of popular databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL Server.
- PHP is pleasingly zippy in its execution, especially when compiled as an Apache module on the Unix side. The MySQL server, once started, executes even very complex queries with huge result sets in record-setting time.
- PHP supports a large number of major protocols such as POP3, IMAP, and LDAP. PHP4 added support for Java and distributed object architectures (COM and CORBA), making n-tier development a possibility for the first time.
- PHP is forgiving: PHP language tries to be as forgiving as possible.
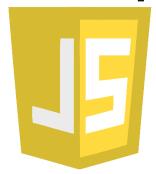- PHP Syntax is C-Like.

✓ CSS

CSS stands for Cascading Style Sheets. It is a style sheet language which is used to describe the look and formatting of a document written in markup language. It provides an additional feature to HTML. It is generally used with HTML to change the style of web pages and user interfaces. It can also be used with any kind of XML documents including plain XML, SVG and XUL.

CSS is used along with HTML and JavaScript in most websites to create user interfaces for web applications and user interfaces for many mobile applications.

✓ Java Script

JavaScript is a light-weight object-oriented programming language which is used by several websites for scripting the

webpages. It is an interpreted, full-fledged programming language that enables dynamic interactivity on websites when applied to an HTML document. It was introduced in the year 1995 for adding programs to the webpages in the Netscape Navigator browser.

✓ MySQL

MySQL is a fast, easy-to-use RDBMS being used for many small and big businesses. MySQL is developed, marketed and supported by MySQL AB, which is a Swedish company. MySQL is becoming so popular because of many good reasons

MySQL is released under an open-source license. So you have nothing to pay to use it. MySQL is a very powerful program in its own right. It handles a large subset of the functionality of the most expensive and powerful database packages. MySQL uses a standard form of the well-known SQL data language. MySQL works on many operating systems and with many languages including PHP, PERL, C, C++, JAVA, etc.
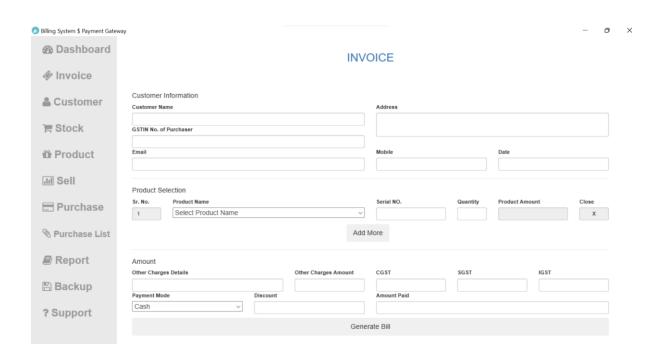MySQL works very quickly and works well even with large data sets.
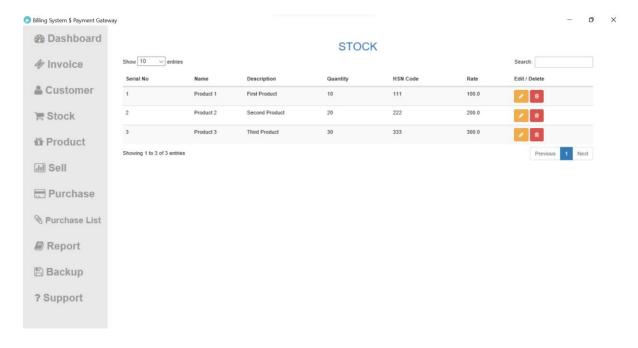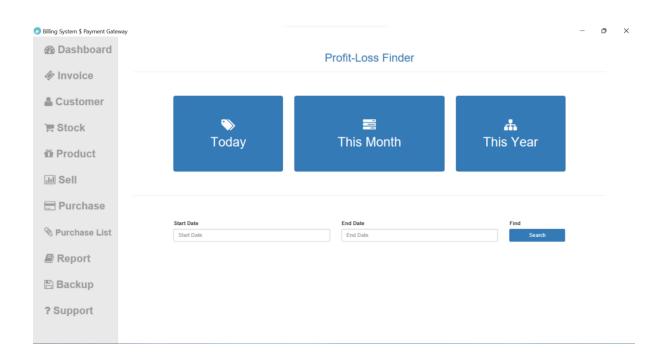
✓ Vs Code
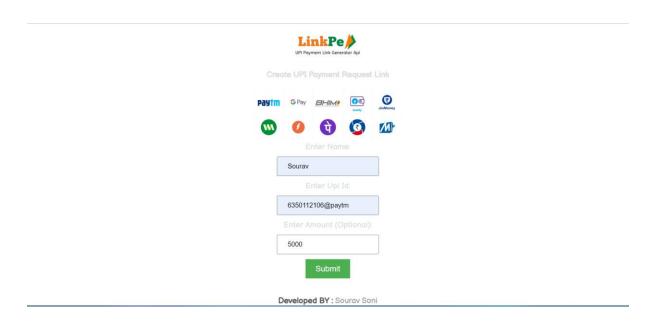
Snapshots

Home Page :

Invoice Generation :

Stock Maintain:

Profit Loss Finder:

QR- Code Generator:

Payment Link Generator:
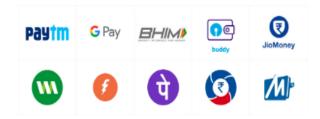
Finalize QR Code:

LinkPe
UPI Payment Link Generator Api

Click on PayNow or Scan Qr and Pay using any UPI
Apps To Pay Sourav

Click here to Pay Now

PROJECT MEMBERS AND THEIR WORK DISTRIBUTION

Team Members:

❖ Sahil (19001003108)

- Home Page
- New Invoice Generation
- Add Customer
- Add New Product
- Support Module

❖ Sourav Soni (19001003130)

- QR Code Generation Page
- Payment Link Generation
- About Us Page
- Stock Maintenance
- Database Integration
- Backup/Restore

Result

Our final project was planned and developed as expected. Through this project we get familiar with HTML, CSS and JS and PHP. This was our project of System Design Lab about "Billing System". Development of this System takes a lot of efforts from us. We think this system gave a lot of satisfaction to all of us. Though every task is never said to be perfect in this development field even more improvement may be possible in this system. We learned so many things and gained a lot of knowledge about development field. We hope this will prove fruitful to us

Future Work:

- Real Store Setup
- Collaboration with Chartered Accountant for direct GST Filing
- Paytm, Gpay and other UPI apps integration

References:

- ✓ PHP: - https://www.php.net
- ✓ MySQL: - https://www.mysql.com
- ✓ JavaScript: - https://www.javascript.com