MIT Art Design and Technology University
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PBL Review 2

Title:- Fashion Design Billing Center
Class:- SY-18
Group Member Name and Roll No

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Contents

1.Problem Statement

2.Litreure Survey

3.Motivation

4.Proposed System Architecture.

5.Proposed System Objectives

6.Flow Chart

7.Advatages and disadvantages

8.Conclusion

Problem Statement

The problem statement for this project is to create a Fashion Designer Billing Center application that allows fashion designers to manage customer orders, products, and pricing efficiently, and Which is less time consuming which will be a beneficiary for the businessman. Which will keep the history of the bill too.

Literature Survey

1. Paper Name : A Literature Review on Billing System.

   Author : Nilish Lokesh

   Publish Date : 2022-04-03

   Publisher Name : IJRASET

   Link : https://www.ijraset.com/research-paper/billing-system

2. Paper Name : A Review on Automated Billing for Smart Shopping System

   Author : Priyanka Sahare| Anup Gade | Jayant Rohankar

   Publish Date : 2019-03-19

   Publisher Name : IIETA

   Link : https://www.iieta.org/journals/rces/paper/10.18280/rces.060101

Motivation

The motivation for developing a Fashion Designer Billing Center project stems from several key factors that address the needs and challenges faced by fashion designers and businesses in the fashion industry. Here are some of the primary motivations:

- Efficient Order and Inventory Management

- Improved Customer Service

- Competitive Advantage

- Customer Satisfaction and Loyalty

Proposed System Architecture
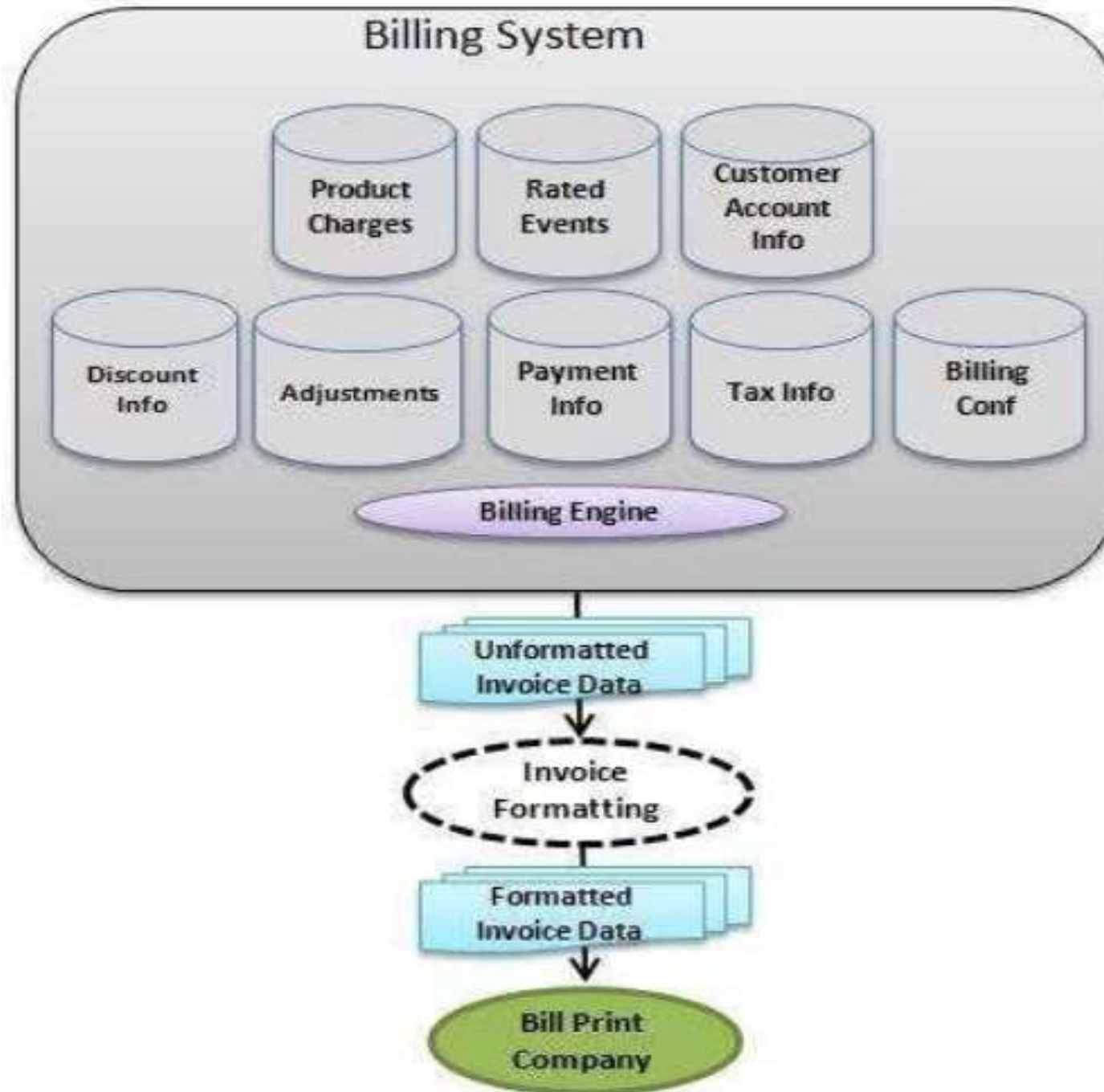
Proposed System Objectives

1. Customer Management
2. Billing and Invoicing
3. Database Connectivity
4. User-Friendly Interface
5. Billing Accuracy
6. Customization and Scalability
7. Inventory Management

Flow Chart

1. Begin
2. Input customer details (e.g., name, contact information, shipping address).
3. Validate the input data to ensure it meets the required format and constraints:
   - Check if the name is not empty.
   - Validate contact information (e.g., email, phone number).
   - Verify the shipping address is complete and accurate.
4. If validation fails:
   - Display error messages for invalid fields.
   - End the process.
5. If validation passes:
   5.1. Generate a unique customer ID (e.g., using a sequence or UUID).
   5.2. Create a new customer record in the database:
      - Insert the customer ID, name, contact information, and shipping address into the "Customers" table.
   5.3. Confirm successful addition:
      - Display a success message.
      - Provide the newly generated customer ID to the user for reference.
6. End

Advantages and Disadvantages

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+----------------------------------------+        +-----------------------------------------------+
|        Advantages of the Project       |        |          Disadvantages of the Project         |
|                                        |        |                                               |
| - Efficiency                           |        | - Development Complexity                      |
|                                        |        |                                               |
| - Improved Customer Service            |        | - Maintenance and Updates                     |
|                                        |        |                                               |
| - Data-Driven Insights                 |        | - Data Security Risks                         |
|                                        |        |                                               |
| - Accurate Invoicing                   |        | - Integration Challenges                      |
|                                        |        |                                               |
| - Inventory Optimization               |        | - User Training                               |
|                                        |        |                                               |
| - Scalability                          |        | - Regulatory Compliance                       |
|                                        |        |                                               |
| - Security and Compliance              |        | - Initial Setup                               |
|                                        |        |                                               |
| - User-Friendly Interface              |        | - Technical Support                           |
|                                        |        |                                               |
| - Integration with External Systems    |        | - Costs                                       |
|                                        |        |                                               |
+----------------------------------------+        | - Resistance to Change                        |
                                                   |                                               |
                                                   +-----------------------------------------------+
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Conclusion

A Fashion Designer Billing Center is a versatile and essential tool for businesses and professionals in the fashion industry. This system offers numerous advantages, including enhanced efficiency, improved customer service, data-driven insights, accurate invoicing, and inventory optimization. It caters to a wide range of applications across the fashion industry, from individual designers and boutiques to e-commerce brands, wholesalers, startups, and marketplaces.