



ASSIGNMENT

Topic

Coffee Management

Group 4:

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Vuong Dinh Nguyen - Nguyen Huu Ly

Can Tho, February 25, 2020

Feedback from Dr. HuongLH



Can Tho, February 25, 2020

Dr. HuongLH

I.Introduction

1.ABSTRACT

At present, information technology is considered a key industry of the country. Information explosion and the strong development of technology, to develop, need to apply information technology in different industries. Current software increasingly supports users to conveniently use, fast processing time. Therefore, when designing software, it not only requires accuracy and handling of many things, but also meets the speed, friendly interface and realistic simulation on the computer for users to use conveniently and accustomed belonging, high security, ... Software helps save and time of human efforts, increase accuracy and efficiency at work. As in managing a cafe. If not supported by computer software, the management needs to be quite a lot of people and divided into several stages to be able to manage the store such as managing employees (employees in shifts or all day), managing invoices , search, statistics and information adjustment, etc. These jobs require time and effort but the accuracy and efficiency are not high when doing manual work without using software. In addition, it will make the storage difficult, to consume large space, easy to lose and expensive. Meanwhile solving with 1 software is simpler.

Therefore, it is necessary to develop a cafe management program.

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III. Basic Theory

3.1 The basic concept

Learn about the coffee shop's organizational structure. Learn about the business and process of coffee.

Survey the actual situation of the cafe.

Status: At present, information technology is considered a key industry of the country. Information explosion and the strong development of technology, to develop, need to apply information technology in different industries. Current software increasingly supports users to conveniently use, fast processing time. Therefore, when designing software, it not only requires accuracy and handling of many things, but also meets the speed, friendly interface and realistic simulation on the computer for users to use conveniently and accustomed belonging, high security, ... Software helps save and time of human efforts, increase accuracy and efficiency at work. As in managing a cafe. If not supported by computer software, the management needs to be quite a lot of people and divided into several stages to be able to manage the store such as managing employees (employees in shifts or all day), managing invoices , search, statistics and information adjustment, etc. These jobs require time and effort but the accuracy and efficiency are not high when doing manual work without using software. In addition, it will make the storage difficult, to consume large space, easy to lose and expensive. Meanwhile solving with 1 software is simpler.

Therefore, it is necessary to develop a cafe management program.

3.2. The implementation tools

a. NetBeans

Netbeans is a built-in development environment (IDE) for Java. NetBeans allows applications to be developed from a collection of software components called modules. NetBeans runs on Windows, macOS, Linux and Solaris. Netbeans has an intuitive interface, quite similar to that of most software today. This will help the user operation more simple and convenient. Although Netbeans is always associated with Java drafting, this software still has support packages for programmers to apply languages like C, C ++, PHP, etc.

b. Java Core, Java Swing

Java is an object-oriented programming language (OOP) and is based on classes. Unlike most common programming languages, instead of compiling source code into machine code or interpreting source code at run time, Java is designed to compile source code into

bytecode, which will then be executed by the execution environment (runtime environment) run.

In the past, Java was slower than straight-forward languages like C and C ++, but later thanks to "Just in time compilation" technology, this was solved, and in some schools Java special combinations can run faster. Java runs many times faster than interpreted languages like Python, Perl, PHP. Java runs equivalent to C #, a language that is quite similar in terms of syntax and translation / run process

The Java syntax is heavily borrowed from C & C ++ but has a simpler object-oriented syntax and fewer lower-level processing features. Therefore, writing a program in Java is easy, simple and less time consuming to fix errors. But in terms of object-oriented programming, Java is more complex.

In Java, memory leaks are unlikely to occur because the memory is managed by the Java Virtual Machine (JVM) by automatically "clearing junk". Programmers do not have to care about allocating and deleting memory like C and C ++. However, when using network resources, IO files, databases (outside of JVM control) and programmers do not close (close) streams, data leakage can still occur.

c. SQL Server 2017

Microsoft® SQL Server® 2017 Express is a powerful and reliable free data management system that delivers a rich and reliable data store for lightweight Web Sites and desktop applications.

Microsoft SQL Server is a relational database management system developed by Microsoft. As a database server, it is a software product with the primary function of storing and retrieving data as requested by other software applications—which may run either on the same computer or on another computer across a network (including the Internet).

Microsoft markets at least a dozen different editions of Microsoft SQL Server, aimed at different audiences and for workloads ranging from small single-machine applications to large Internet-facing applications with many concurrent users.

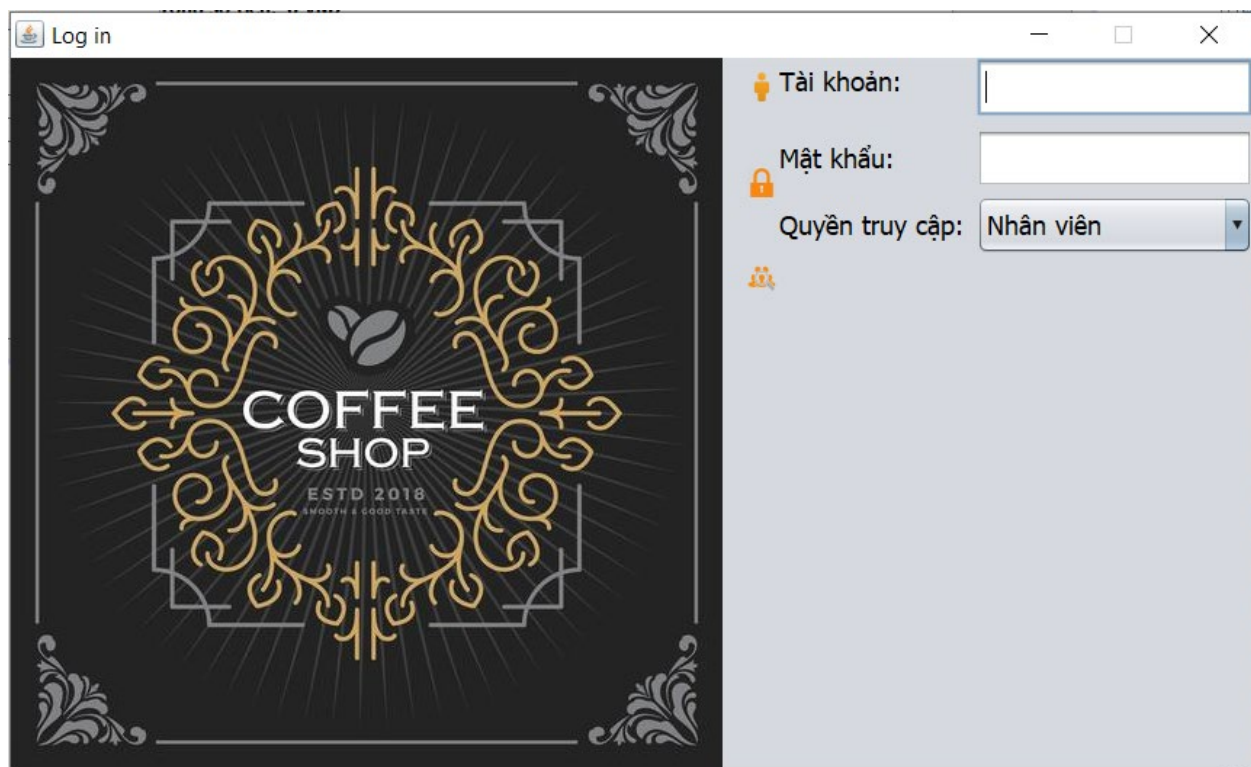
3.3. Perform programming

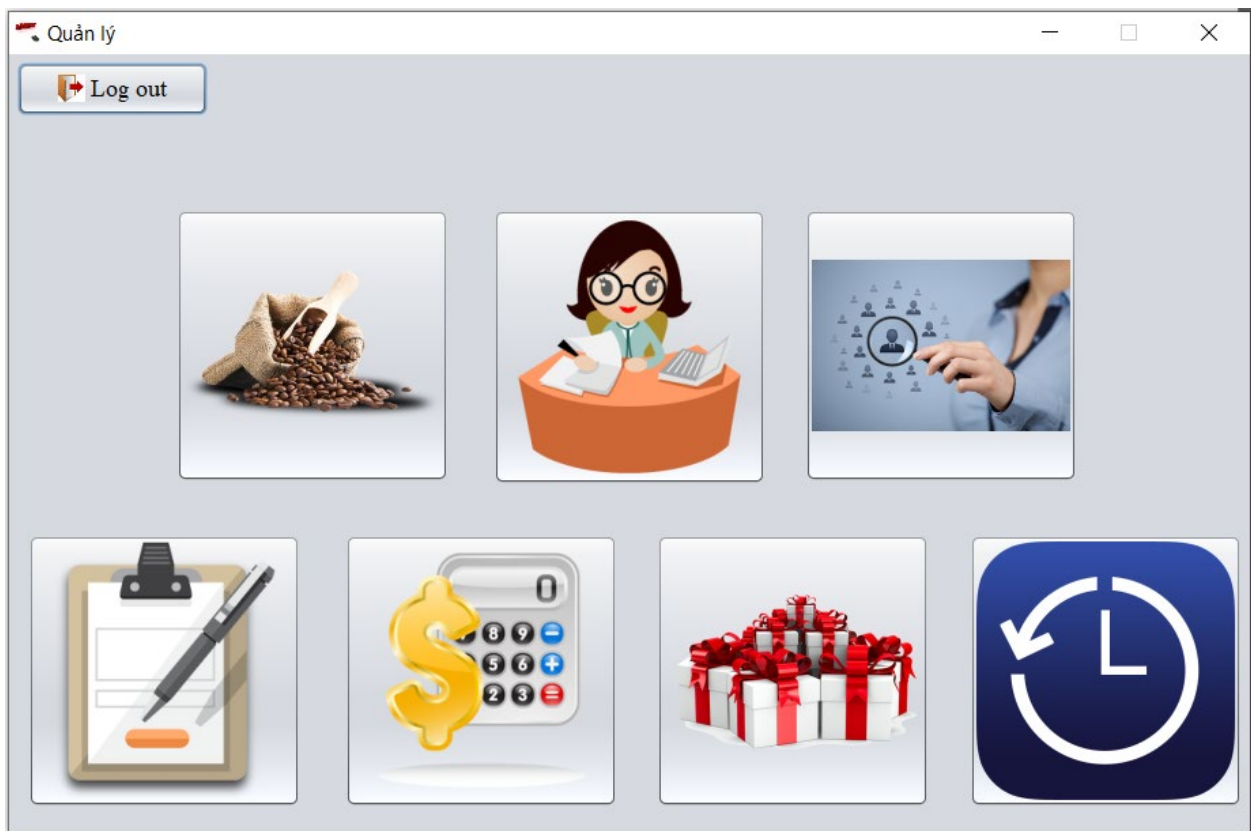
The program is built, database design on SQL Server and designed interface, writing programs on NetBeans with Java OOP.

IV. Program analysis and design

User interface

1.1 Login






1.2 Manager for admin

Loại Sản Phẩm Sản Phẩm

ID Loại Sản Phẩm :


Tên Loại Sản Phẩm :

Kích Cỡ :

 Thêm Mới

 Sửa

 Xóa

 Làm Mới

Thông kê

ID	Loại	Kích cỡ
T01	Cà phê	Nhỏ
T02	Cà phê	Vừa
T03	Cà phê	Lớn
T04	Nước trái cây	Nhỏ
T05	Nước trái cây	Vừa
T06	Nước trái cây	Lớn

Quản lý hóa đơn

Thông tin tìm kiếm:


Mã đơn hàng: Chương trình khuyến mãi: Thời gian:

Mã sản phẩm: Mã khách hàng: Ngày:

Nhân viên:


Mã đơn hàng	Mã sản phẩm	Mã khách hàng	Số lượng	CTKM	Thời gian	Ngày	Nhân viên
HD1234	001	Khách vắng lại	1	Không có	04:33:50	30/03/2020	Huona
HD1234	002	Khách vắng lại	1	Không có	04:33:50	30/03/2020	Huona
HD1234	003	Khách vắng lại	1	Không có	04:33:50	30/03/2020	Huona
HD0006	002	100004	1	Khách hàng VIP	04:49:10	30/03/2020	Huona
HD0005	002	Khách vắng lại	2	Không có	04:48:10	30/03/2020	Huona
HD0004	001	Khách vắng lại	1	Không có	04:42:34	30/03/2020	Huona
HD0003	003	100004	2	Khách hàng VIP	04:39:06	30/03/2020	Huona
HD0002	001	Khách vắng lại	2	Không có	04:37:27	30/03/2020	Huona
HD0002	003	Khách vắng lại	1	Không có	04:37:27	30/03/2020	Huona

Quản lý doanh thu

 **Thông kê:**

Tổng số tiền: 241,000 VNĐ

Tìm kiếm theo ngày:



Mã	Ngày/tháng/năm	Tiền thu (VNĐ)
10	30/03/2020	241,000

Quản lý chương trình khuyến mãi

Thông tin chương trình

Tên chương trình (có thể ghi dấu):

Mô tả:

Chiều khấu (%):

Ngày bắt đầu:

March 30, 2020

Ngày kết thúc:

March 30, 2020

Thêm

Cập nhật

Xóa

Làm mới

Mã	Tên chươn...	Chiết khấu ...	Ngày bắt đ...	Ngày kết th...	Mô tả
2	Valentine	10	30-03-2020	30-04-2020	hihi

Lịch sử bán hàng

TK nhân viên:

Ngày lập đơn hàng:

Tìm kiếm

Làm mới

Tổng số tiền: 320,000 VNĐ

Mã đơn hàng	Mã sản phẩm	Số lượng (Ly)	Đơn giá (VNĐ)	Tên CTKM	Mã khách hàng	Chiết ...	Thời gian	Ngày	TK nhân viên	Thành tiền
123	001	10	15,000	Valentine	HoLD	10	15:03:25	15-02	Huong	135,000
HD0001	001	1	15,000	Không có	Khách vắng lại	0	04:41:44	30/03/2020	Huong	15,000
HD0002	001	2	15,000	Không có	Khách vắng lại	0	04:37:27	30/03/2020	Huong	30,000
HD0002	003	1	25,000	Không có	Khách vắng lại	0	04:37:27	30/03/2020	Huong	25,000
HD0004	001	1	15,000	Không có	Khách vắng lại	0	04:42:34	30/03/2020	Huong	15,000
HD0005	002	2	20,000	Không có	Khách vắng lại	0	04:48:10	30/03/2020	Huong	40,000
HD1234	001	1	15,000	Không có	Khách vắng lại	0	04:33:50	30/03/2020	Huong	15,000
HD1234	002	1	20,000	Không có	Khách vắng lại	0	04:33:50	30/03/2020	Huong	20,000
HD1234	003	1	25,000	Không có	Khách vắng lại	0	04:33:50	30/03/2020	Huong	25,000




Phiên bản: Lastest

Ngày ra mắt: 25/03/2020

Địa chỉ: TP Cần Thơ

Số điện thoại: 0339602164

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 **Đón...**

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Địa chỉ: CanTho

Đồng ý

Đổi mật khẩu

Mật khẩu cũ:

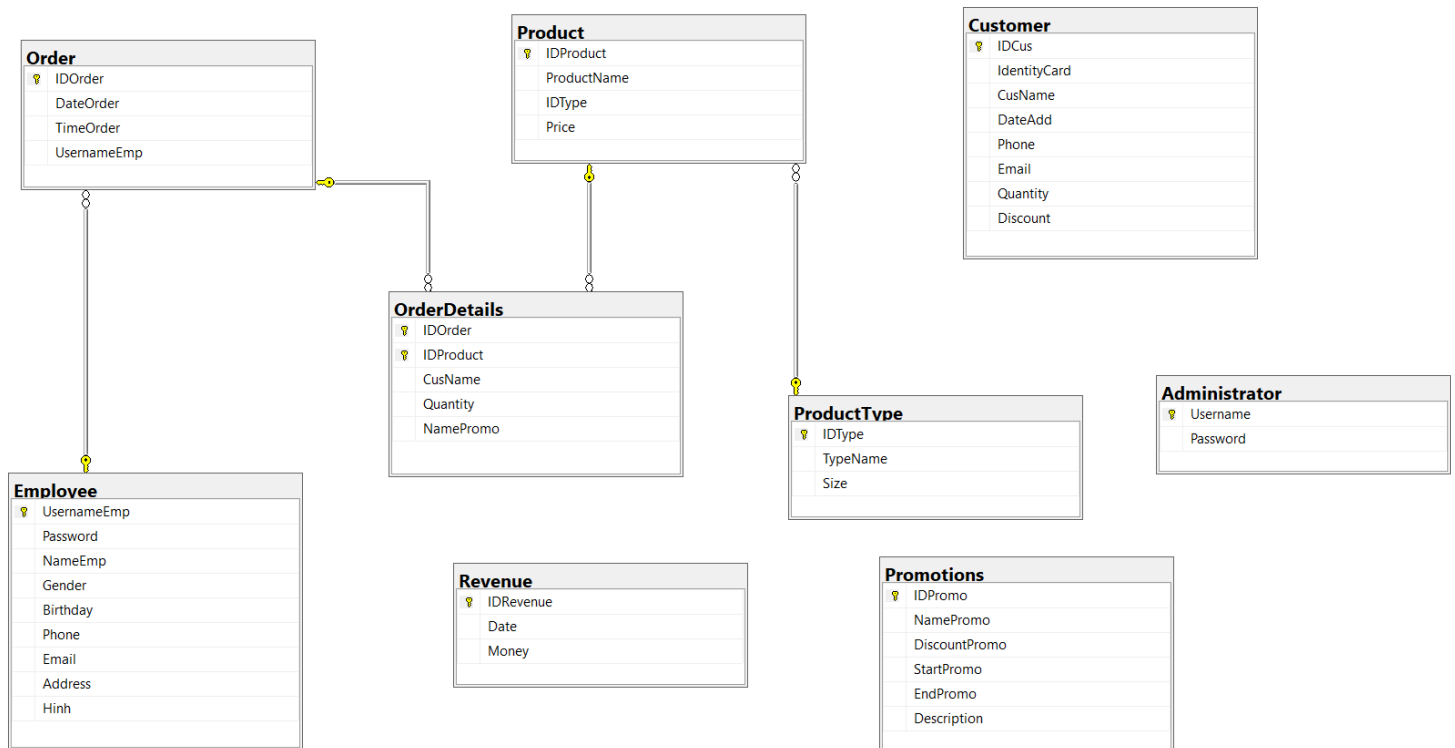
Mật khẩu mới:

Nhập lại mật khẩu:

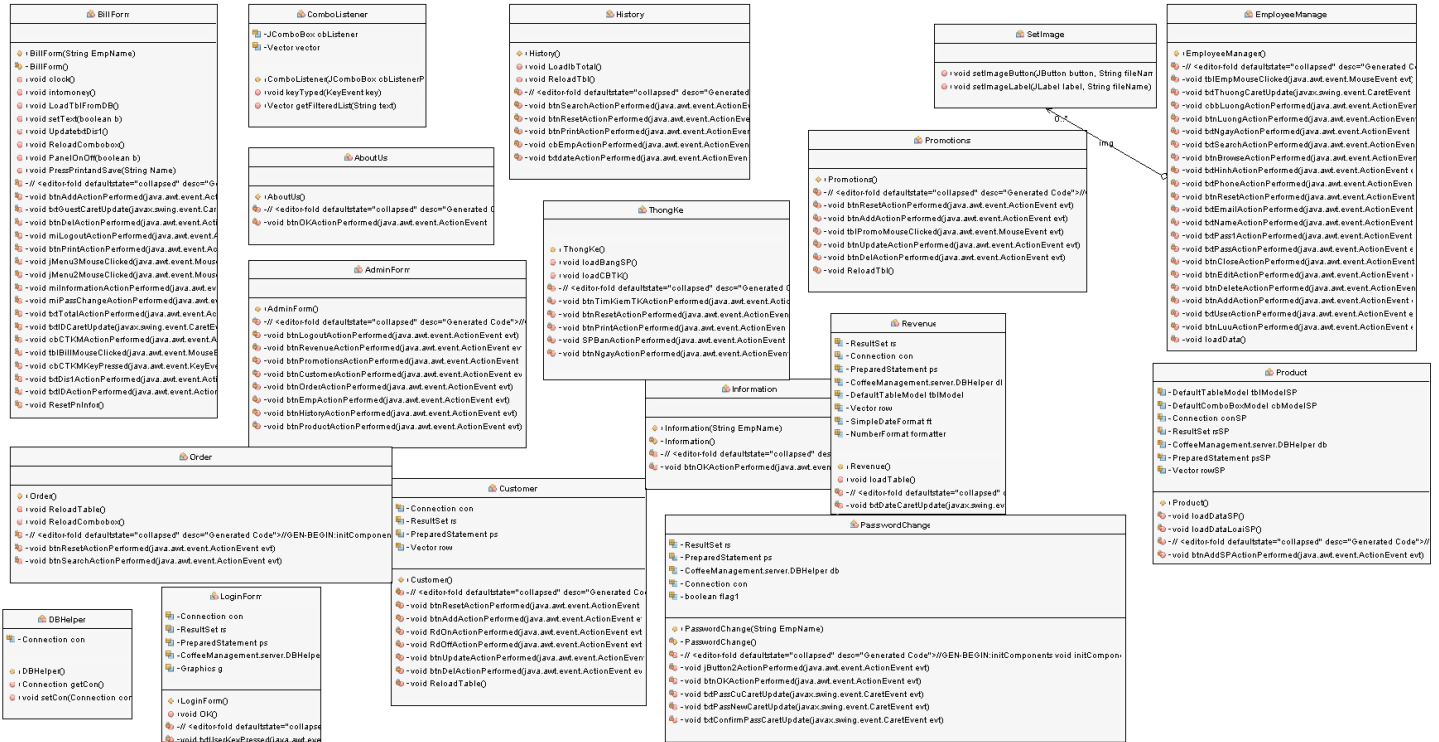
Đồng ý

Làm mới

2. Diaram of Database



3. Class Diagrams



Thank you.

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