Software Requirements Specification

For

Jwellery Shop Management System

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Introduction

This software requirements specification document provides a complete overview of all the functions and specifications of the online Jwellery Shop management system. Developers and testers can use this document as a reference for developing design and test design documents.

Document Purpose

The Software Requirements Specification (SRS) provides a detailed overview of the requirements for the Jwellery Shop Managment System.

This allows you to gain a complete understanding of
what to expect from the Jwellery Shop Managment System that SRS builds.

A clear understanding of Jwellery Shop Managment System and its functionality
will allow the end user to create the right software and use it for future stage development of the project.

This will provide the basis for the SRS project. From this SRS, Jwellery Shop Managment System can be designed, built and finally tested.

This SRS Jwellery Shop Managment System build software will be used by engineers and Golden Jwellery Shop end users.

Software engineers will use SRS to fully understand the intentions of this Jwellery Shop Managment System to build the appropriate software.

Software engineers will be able to use this SRS as a "test" for jwellery Shop end users to see if they are building the system to their expectations.

If it does not meet their expectations, end users can specify how it will not suit their tastes and

software engineers will modify the SRS to suit the needs of the end users.

Product Scope

The software to be produced is a Jewelry shop Management System. The first interface is to enter the relevant user into the search software.

All other interfaces are available on the second interface and it makes it easier for the respective user to use.
By the customer registration here, the relevant customer's details are entered into the system.

The supplier registration is used to enter the people who supply goods to the shop and their details into the system.

Through the employee registration here, the details of the employees working in jwellery shop will be entered into the system.
Branch registration will enter new branches and owner registration will enter the information of the owner of the shop.

Add jwellery adds new jwelleries to the system.

Stock provides information about the jwelleries currently available in the shop.

Through the reports here, the supplier can get the grn report, the customer can get the invoice, the stock details, and the complete reports including the employee and supplier details.

The Exchange option provides information regarding the transfer of bonds purchased by the customer.
Management through this system will significantly simplify the day-to-day work of end users.
The system can handle many services to take care of everything quickly.
The system should be user-friendly, easy to use, easily debugged and have a high level of satisfaction for the overall end user.

Definitions, Acronyms and Abbreviations

SRS	Software Requirements Specification
JSMS	Jwellery Shop Management System
End users	The people who will be actually using the system

Overall Description

The SRS is organized into two main sections, the first being the overall description and the second being the specific requirements. The overall description describes the requirements of the JSMS from a general high-level perspective. The Special Requirements section describes the system requirements in detail.

Software Perspective

JSMS is a desktop application.

Hardware Interfaces

On computers of main Jwellery Shops and assistant Jwellery Shops or authorized persons in the JS.

Software interfaces

All databases for JSMS are configured using MySQL. These databases include store information, information of main jewellery shop and subsidiary jewellery shops or authorized persons, shop information, order information and quantities of jwelleries in stores. End users can change these. User information database contains all customer information like first name, last name, email, password, phone number.

Specific Requirements

This section covers all software requirements in detail, including the context diagram, the use of opportunities and case descriptions, sufficient for designers to design a system to meet those requirements, and for testers to test the system. Meets those requirements.

External Interface Requirements

The management system will use standard input / output devices for a personal computer. This includes the following:

- Keyboard.
- Mouse.
- Printer.
- Monitors.

Software Interfaces

The system must interface with an Oracle database.

Functional Requirements

The functional requirements framework defines the basic tasks to be performed.
The operational requirements for the scheme are divided into several grant categories. That is, receiving bonds, selling to the customer, transferring the bonds received by the customer, registration, viewing details and getting reports.

Other Non-functional Requirements

Performance Requirements

Performance requirements define the acceptable response time for a system to function.

- Loading time for user interface screens does not take more than two seconds.
- Login information must be verified within five seconds.
- Inquiries will give results within five seconds.

Design limitations.

The Jwellery Shop management system should be an independent system operating in a Windows environment. The system must be developed using Java and Access or an Oracle database.

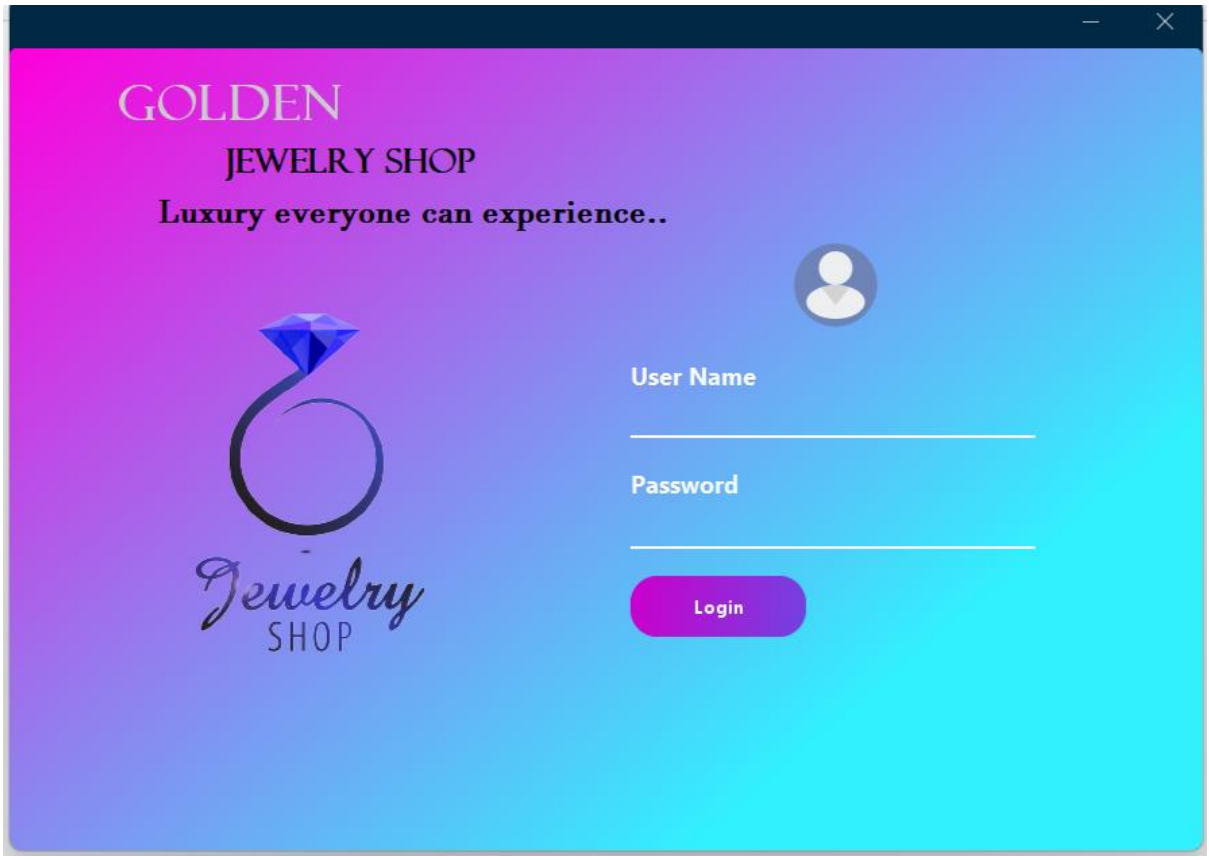
Standards compliance.

The variable names must have consistency in the system. The graphical user interface should have a consistent look and feel.

Application Interface.

1. Slash (Loding) -

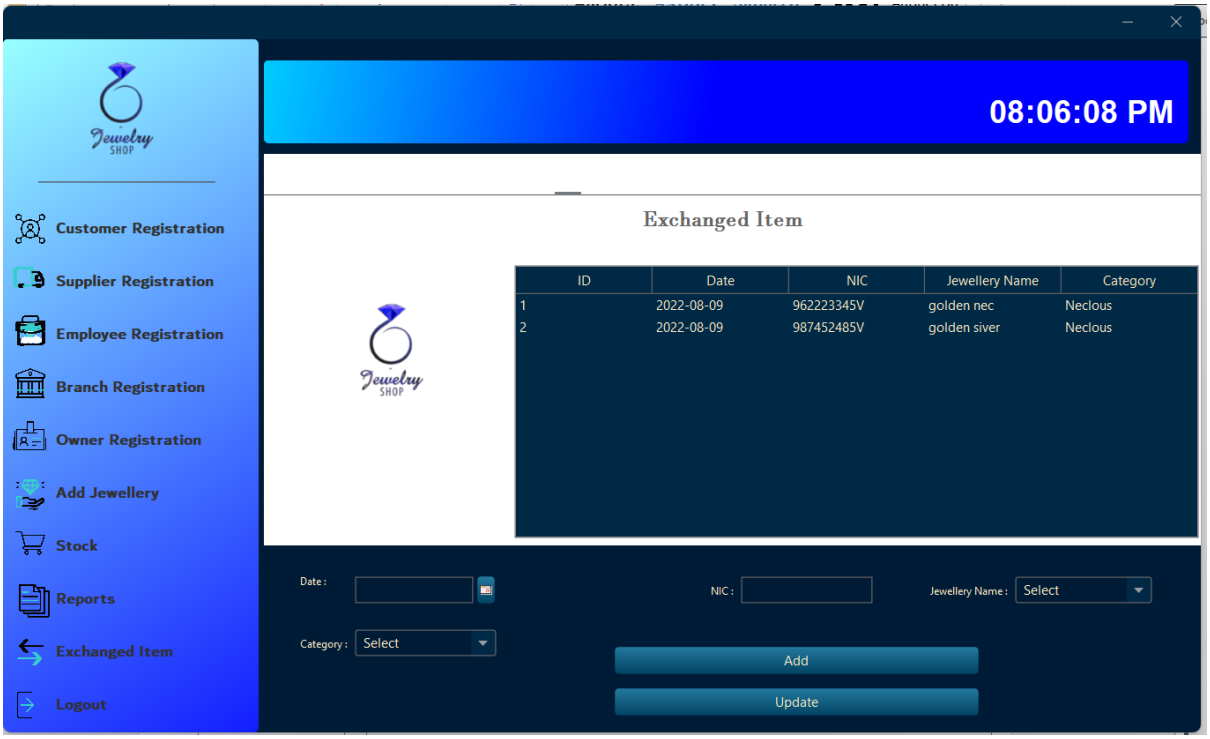
2. Login Interface.



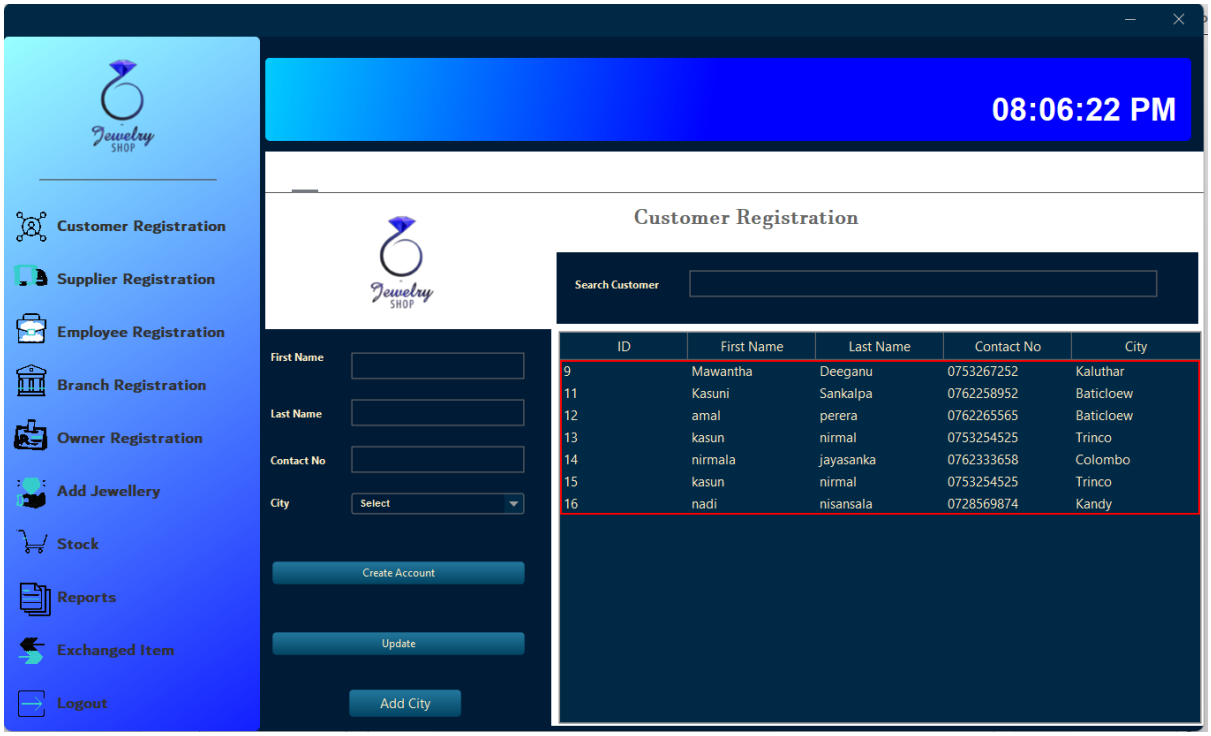
- For some reason, if you try to type the password without the password, "Enter username or password" will appear in shadow text. Here, by applying marks on View Password, it becomes possible to see the given password.

- In addition, employees and owners have been given permission to go through this logging.

3. Home Interface(Dashboard).

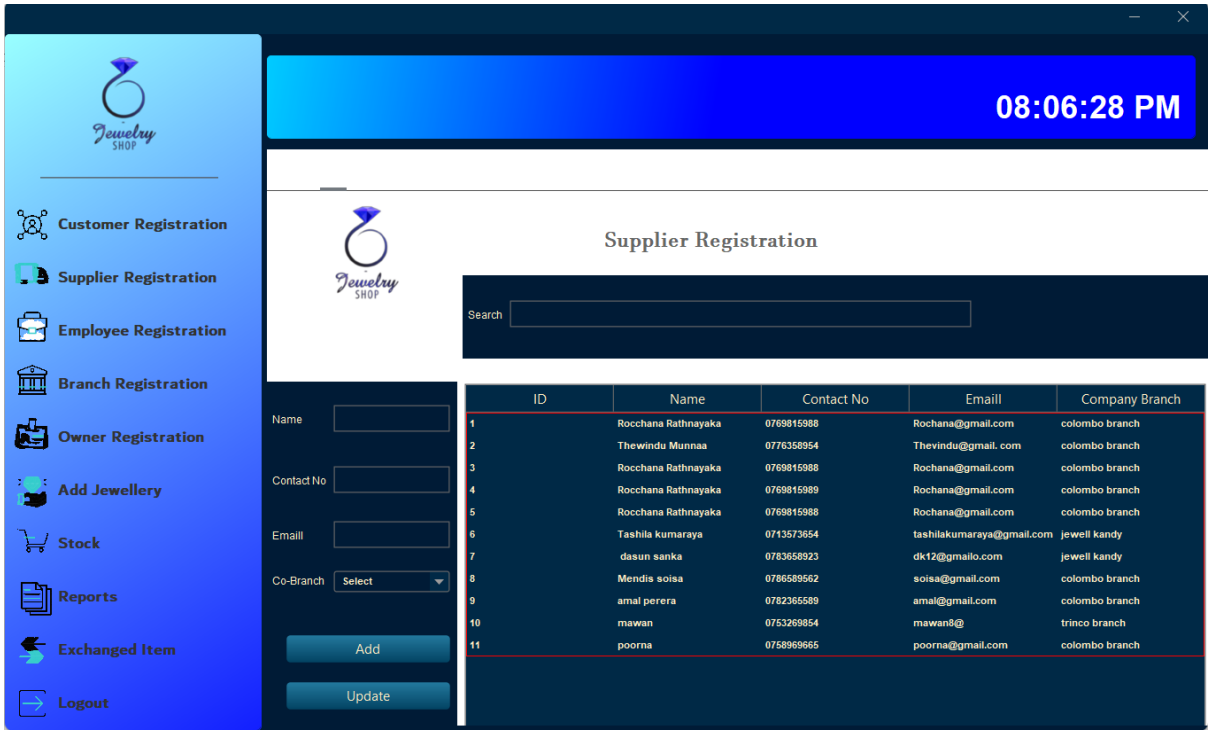


4. Customer Registration.



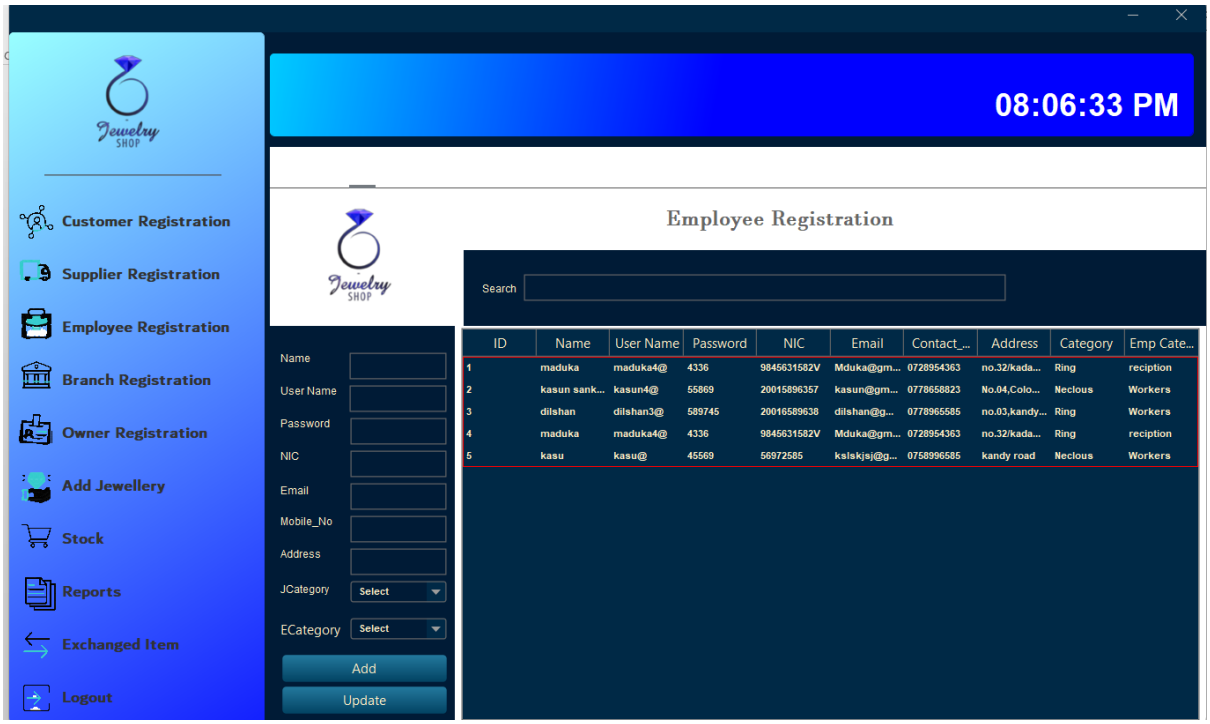
- The Customers information is entered into the system through the customer registration.

5. Supplier Registration.



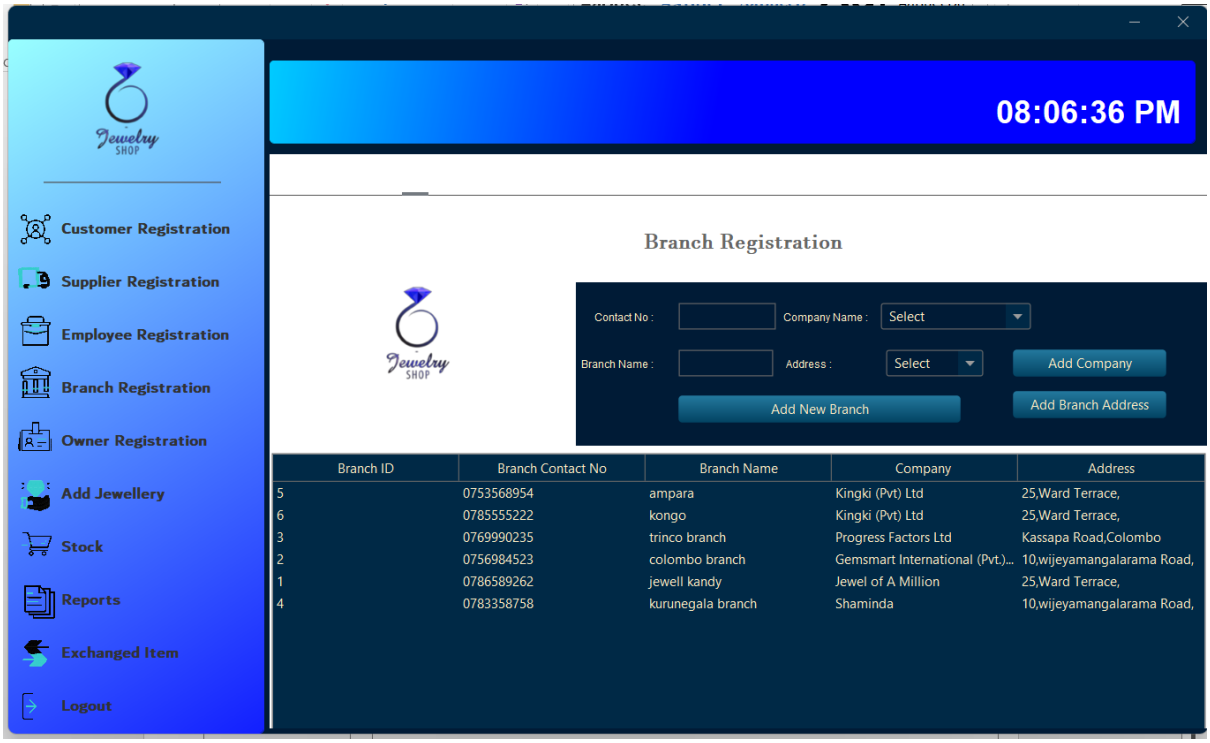
- The details of the people who provide the goods to the shop are being compared to the system.

6. Employee Registration.



- The details of the employees who perfrom the job in the shop have been entered into the system.

7. Branch Registration.



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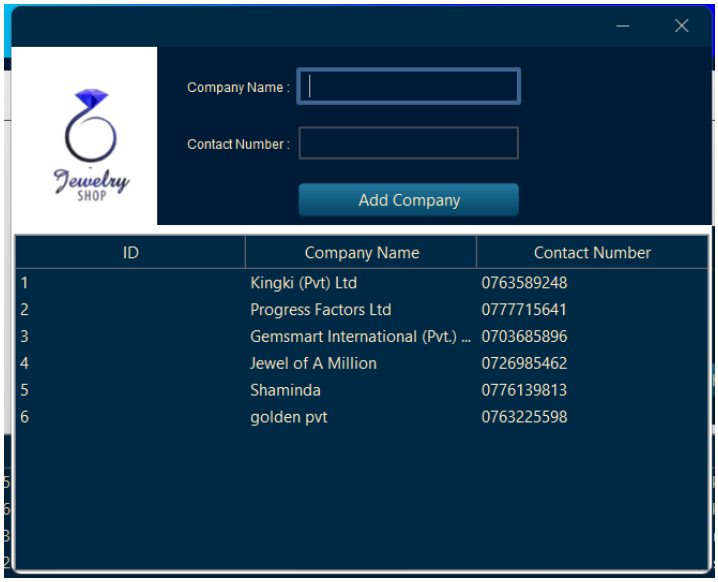
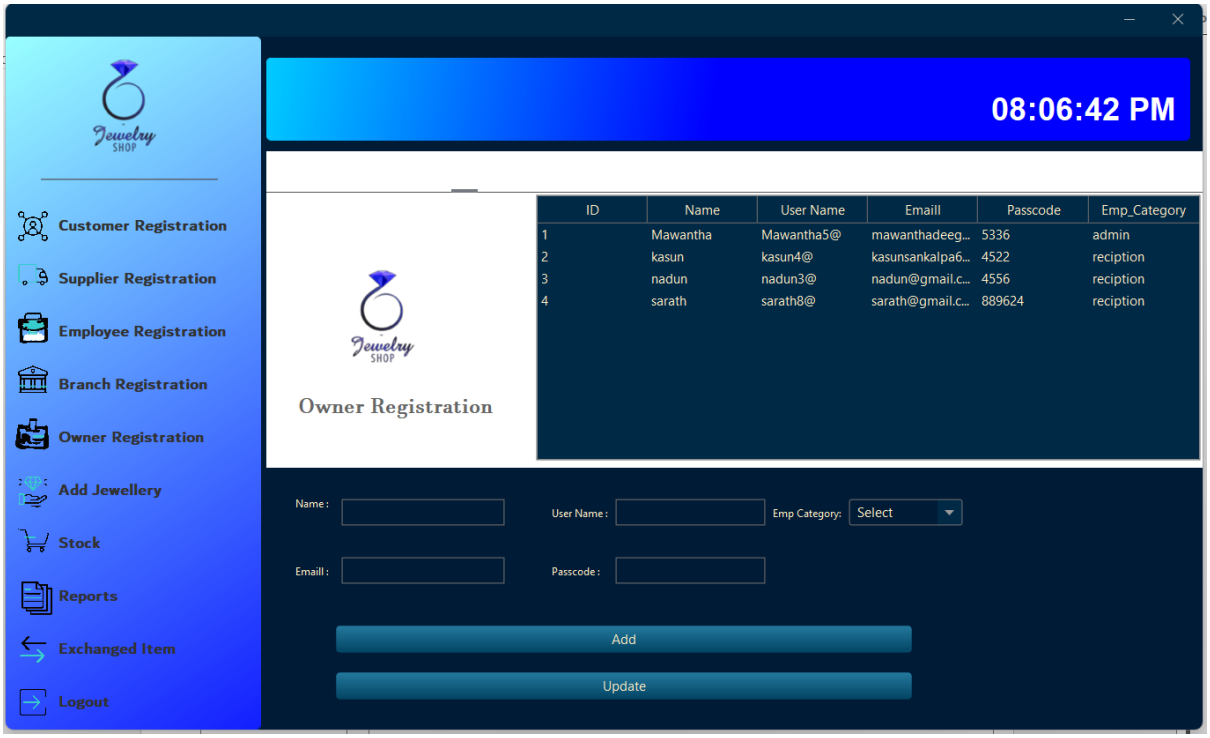
Information about brunches at the jwellery store is set to be entered into the system.

8. Add Companies.



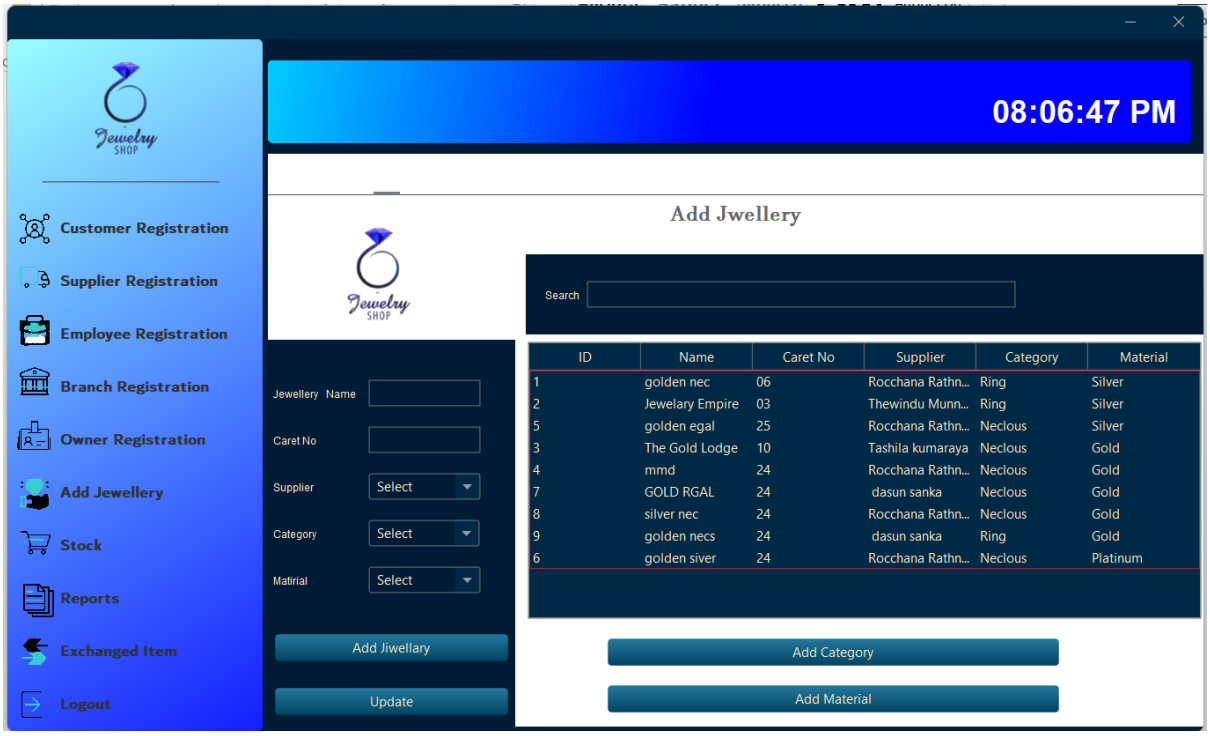
9. Company Address.

10. Owner Registration.



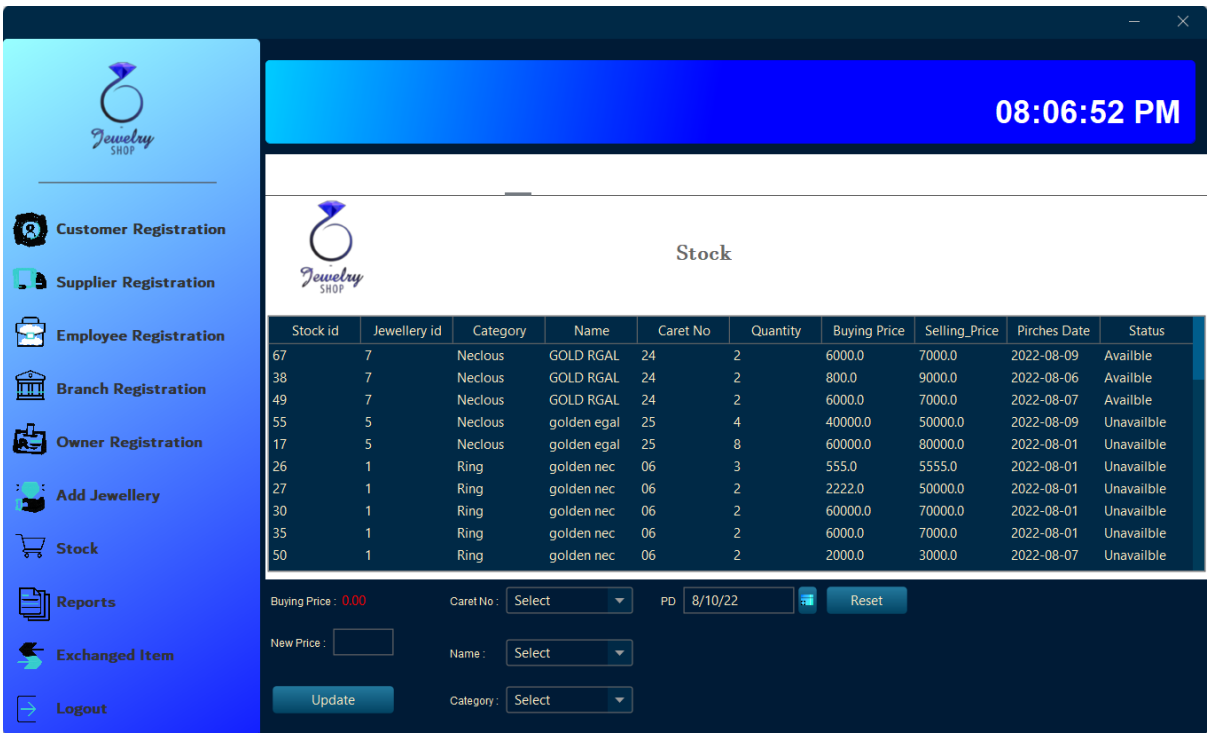
- This is done by entering the information of the store owner or authorized persons into the system.

11.Add Jwellaries.



- Add Jwelleries to the shop is done by this.

12.Stock.

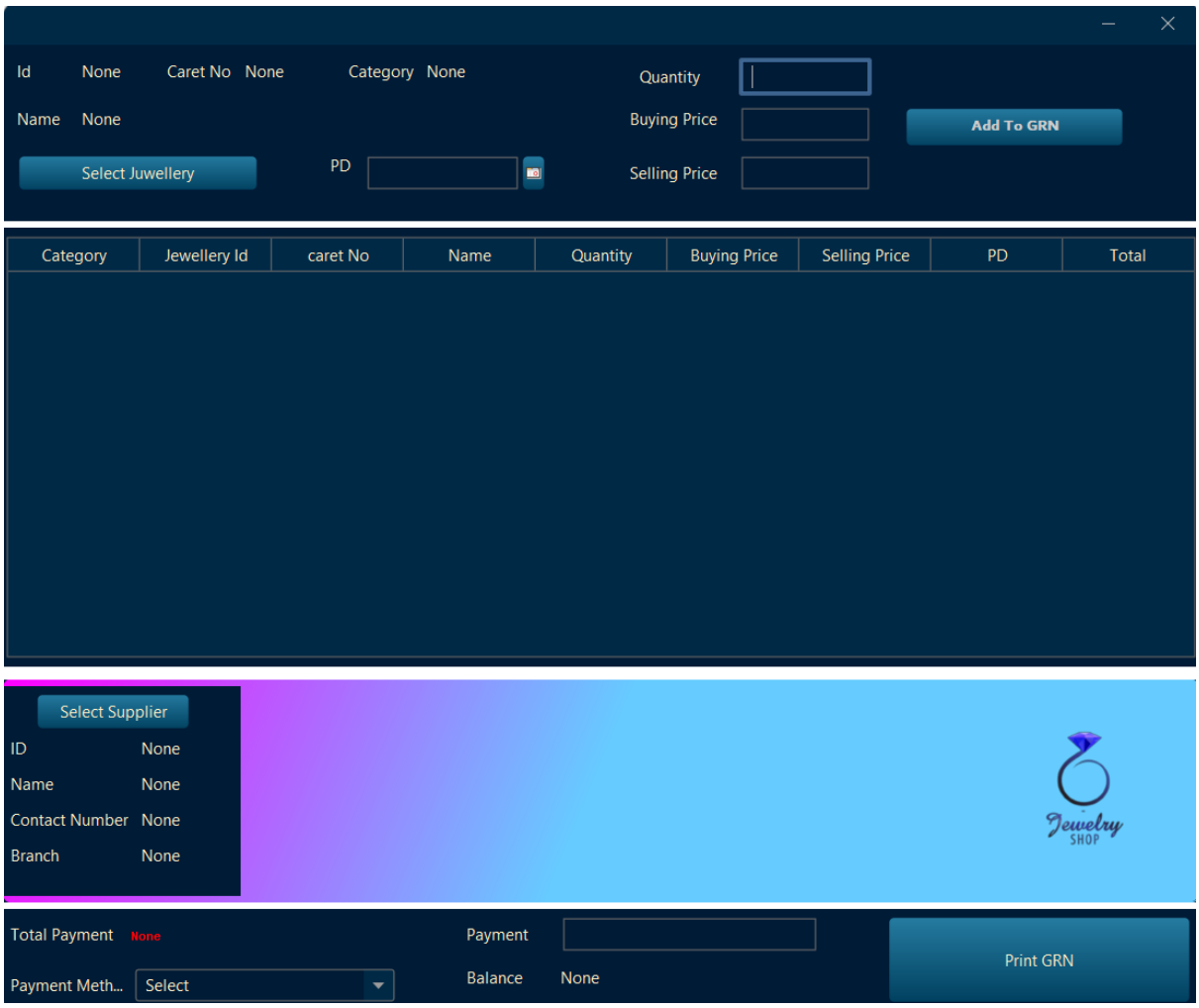


- The Stock provides all the details about the jwelery in the jwelery shop.

13.Reports.

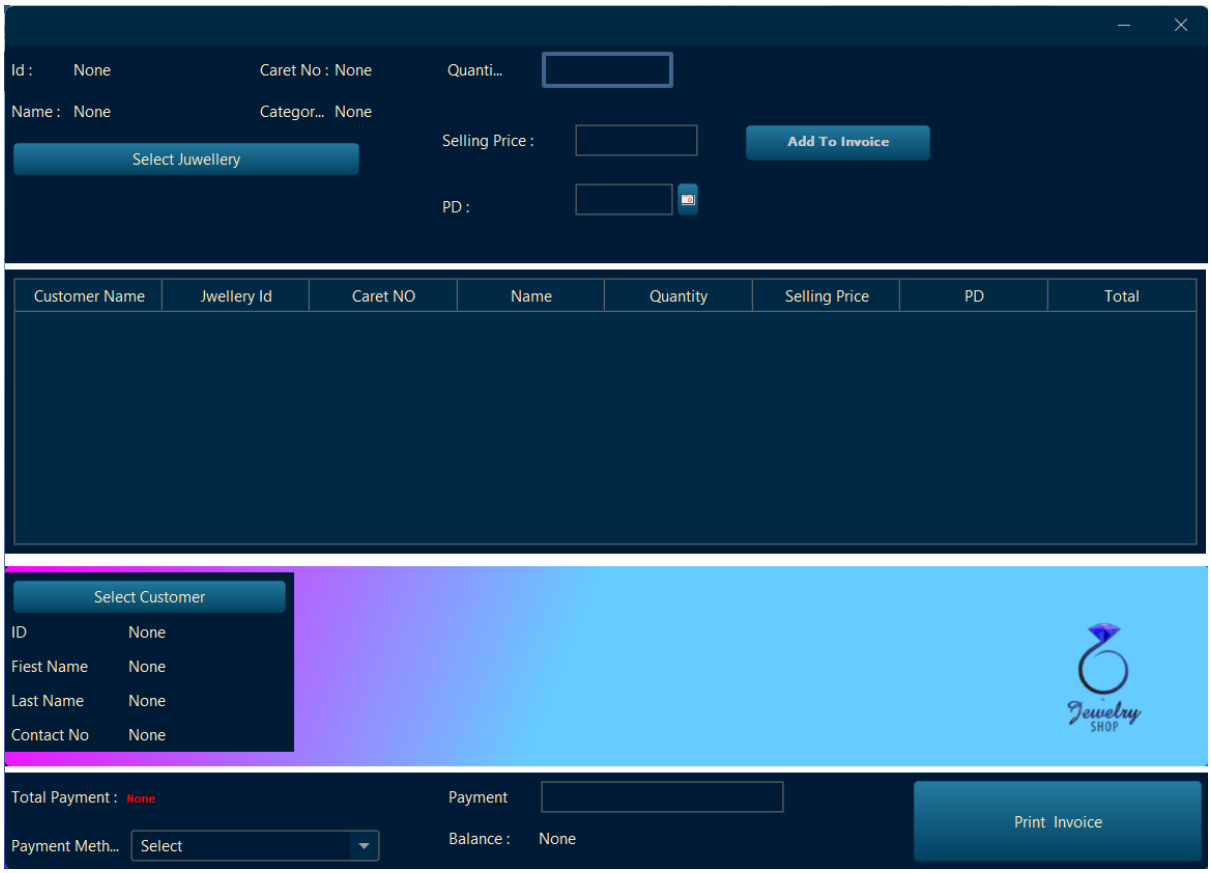
- This provides information about GRN, Invoice, Stock, Employee, Supplier to the user through reports.

14.GRN.



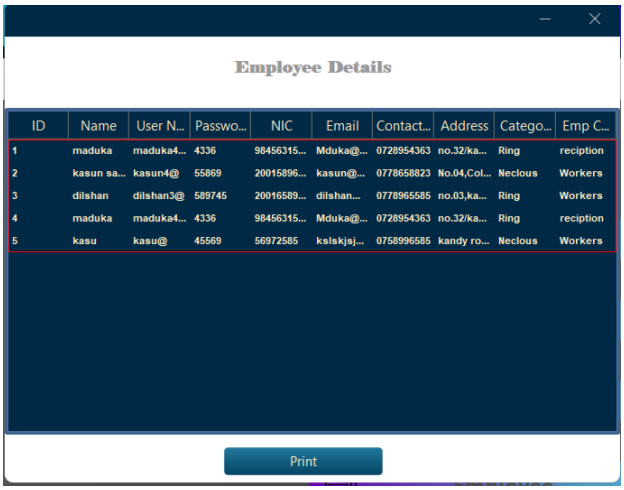
- This is Done by giving a GRN Report to the Suppliers who supply the jewellery. After entering the relevant information and pressing the Print GRN button, the GTRN Report will be generated.

15.Invoice.



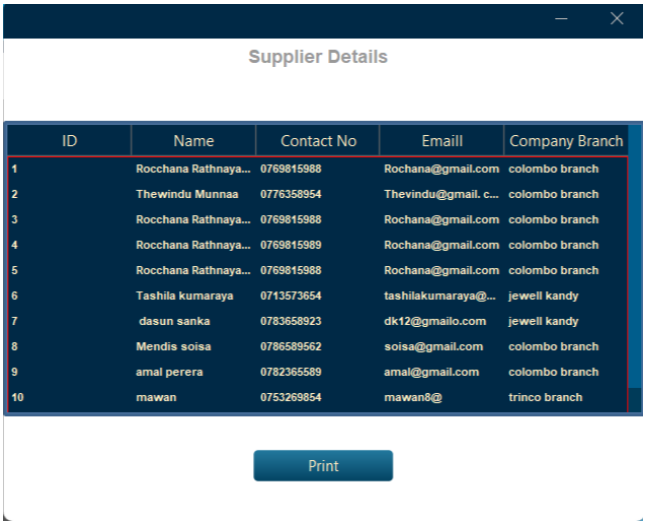
- This is done by providing an Invoice Report to the next Customer of jewellery. After entering the relevant information and pressing the print Invoice button, the Invoice Report will be generated.
- Then the status of the jewellery in stock will automatically change.

16.Employee Reports.



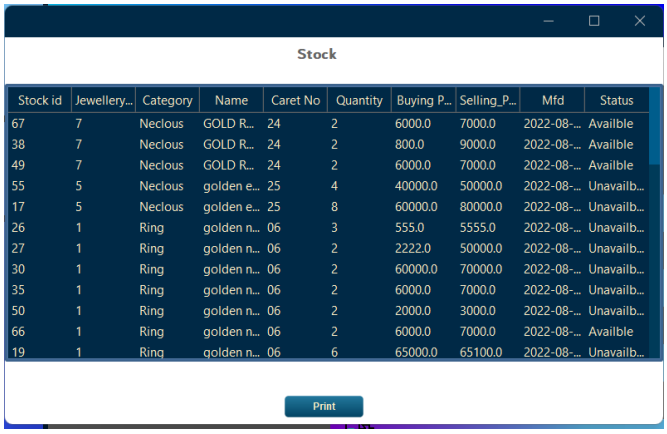
- This is done by providing information about the employees working in the Shop as an Employee Report. After pressing the print button, the report will be generated.

17.Supplier Reports.



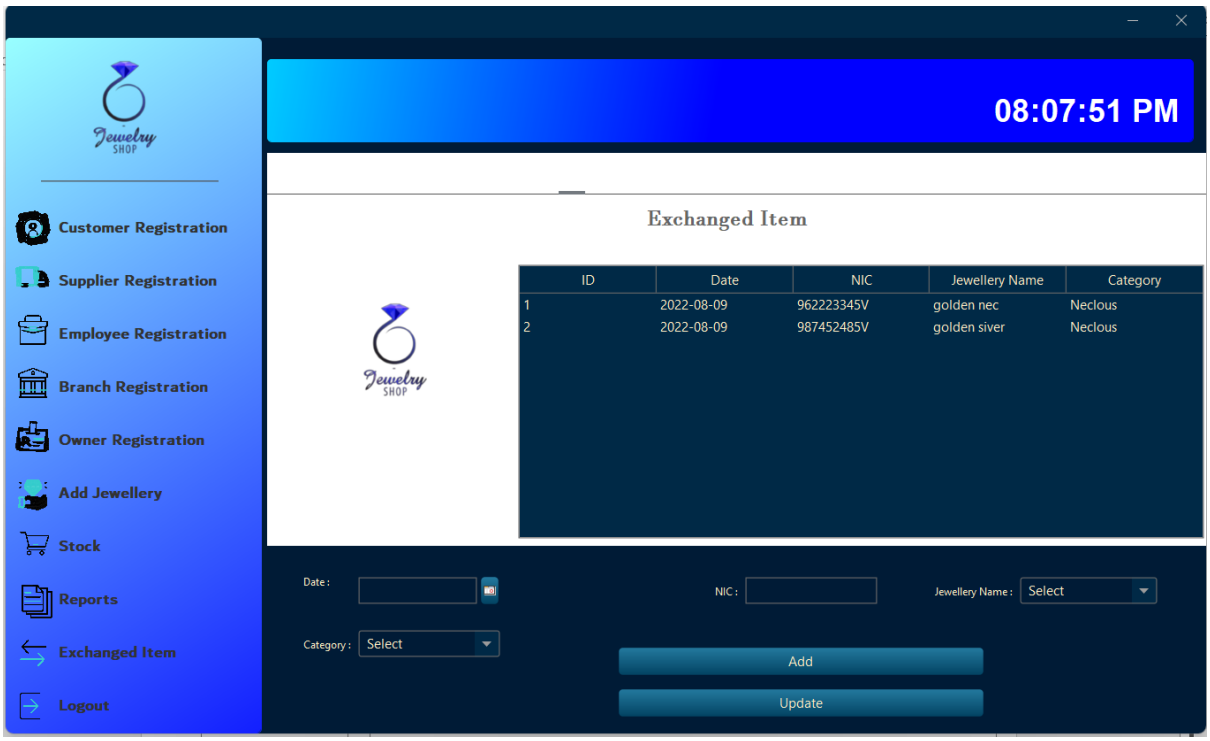
- This is done by providing information about the suppliers who supply the goods to the shop in the form of a Supplier Report. After pressing the print button, the report will be generated.

18. Stock.



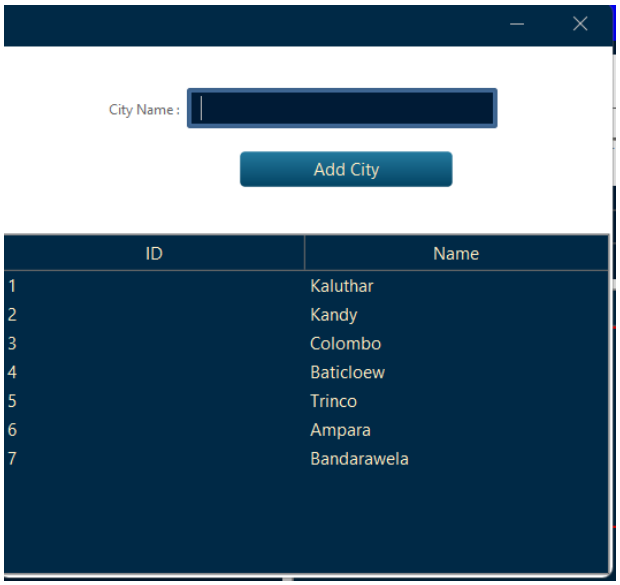
- This is done by providing information about the Products in the Shop as a Report. After pressing the print button, the report will be generated.

19.Exchanged Item.



- This is done by entering the information about the re exchange of the purchased bands into the system.

20.City.



- This is how a city is newly included in the system.

Safety and Security Requirements

Owner and authorized persons are allowed to enter this system. Access to the systems is protected by a username screen that requires a username and password.

Maintainability

The management system is being developed in Java. Java is an object-oriented programming language that is easy to maintain.

Portability

The management system works in any Microsoft Windows environment, including Java Runtime and the Microsoft Access database.