
Software Requirements Specification

For

Jwellery Shop Management System

Prepared by

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DATE :< 10/08/2022>

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Introduction

This software requirements specification document provides a complete overview of all the functions and specifications of the online Jewellery 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 Jewellery Shop Management System.

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

A clear understanding of Jewellery Shop Management 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, Jewellery Shop Management System can be designed, built and finally tested.

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

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

Software engineers will be able to use this SRS as a "test" for jewellery 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.

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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 jewellery 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 jewellery adds new jewelleries to the system.

Stock provides information about the jewelleries 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	Jewellery Shop Management System
End users	The people who will be actually using the system

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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 Jewellery Shops and assistant Jewellery 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.

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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.

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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 Jewellery 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.

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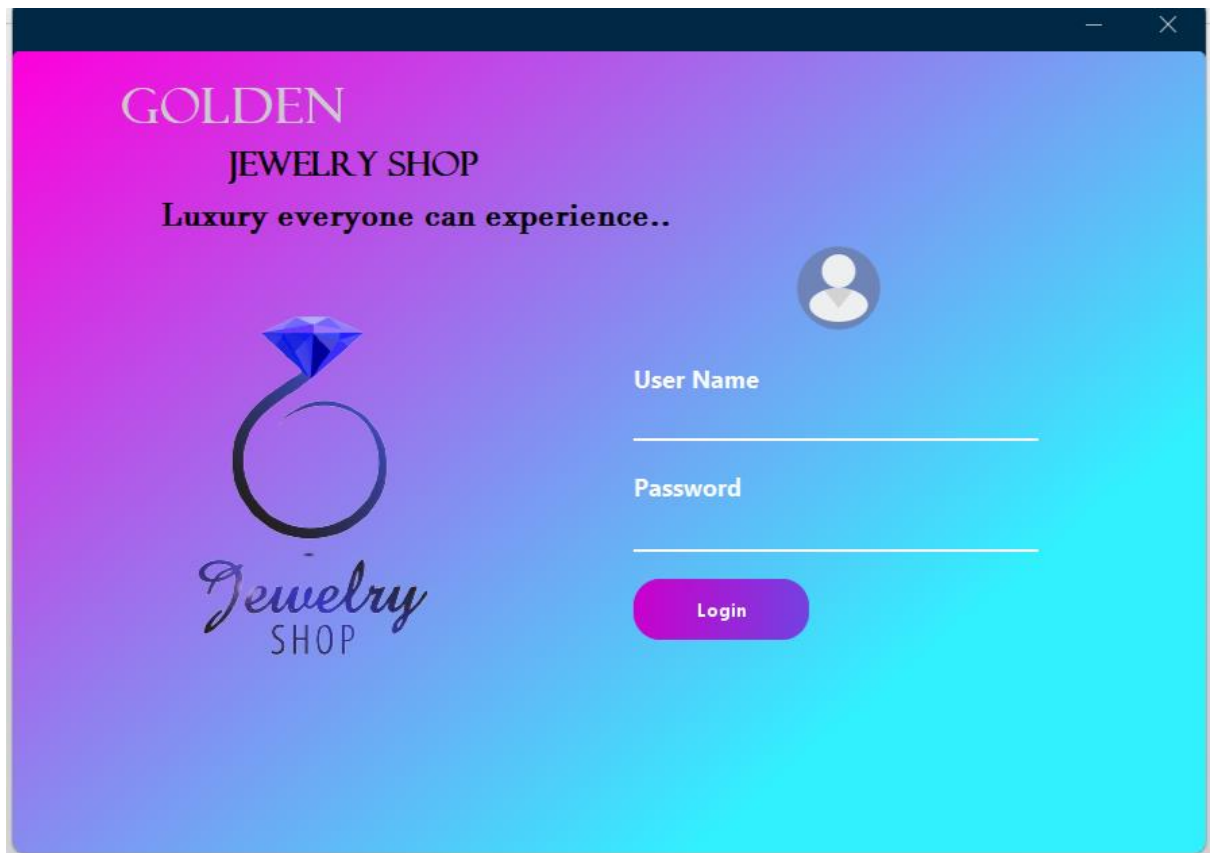
Application Interface.

1. Slash (Loding) -



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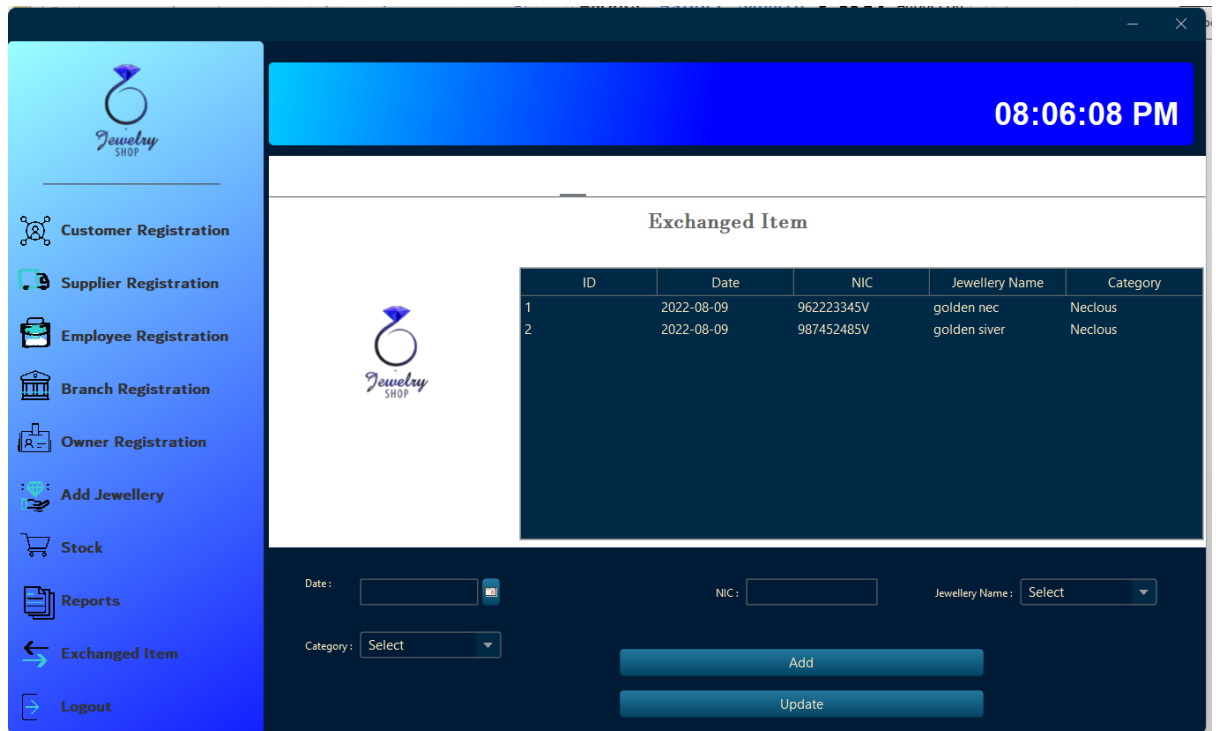
2. Login Interface.



- 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.

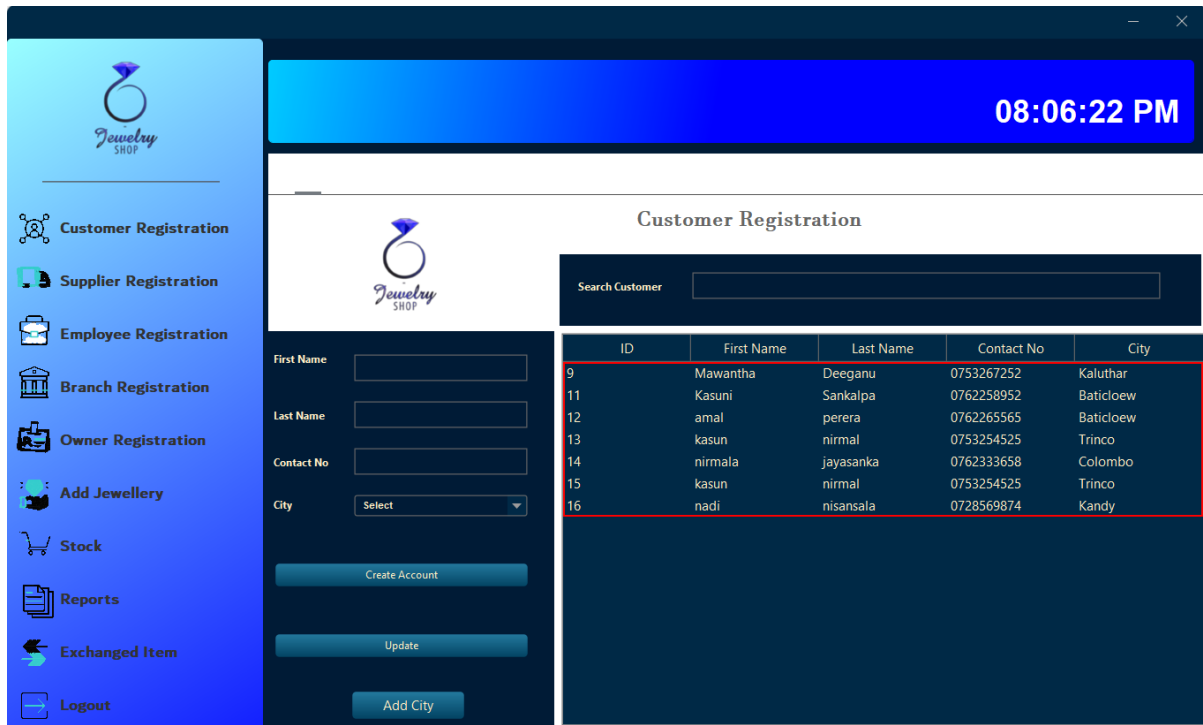
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3. Home Interface(Dashboard).



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4. Customer Registration.



Customer Registration

Search Customer

ID	First Name	Last Name	Contact No	City
9	Mawantha	Deegaru	0753267252	Kaluthar
11	Kasuni	Sankalpa	0762258952	Baticloew
12	amal	perera	0762265565	Baticloew
13	kasun	nirmal	0753254525	Trinco
14	nirmala	jayasanka	0762333658	Colombo
15	kasun	nirmal	0753254525	Trinco
16	nadi	nisansala	0728569874	Kandy

First Name

Last Name

Contact No

City

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

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5. Supplier Registration.

Jewelry SHOP

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Supplier Registration

Search

Name

Contact No

Email

Co-Branch

ID	Name	Contact No	Email	Company Branch
1	Rocchana Rathnayaka	0769815988	Rochana@gmail.com	colombo branch
2	Thewindu Munnaa	0776358954	Thevindu@gmail.com	colombo branch
3	Rocchana Rathnayaka	0769815988	Rochana@gmail.com	colombo branch
4	Rocchana Rathnayaka	0769815989	Rochana@gmail.com	colombo branch
5	Rocchana Rathnayaka	0769815988	Rochana@gmail.com	colombo branch
6	Tashila kumaraya	0713573654	tashilakumaraya@gmail.com	Jewell kandy
7	dasun sanku	0783658923	dk12@gmail.com	Jewell kandy
8	Mendis soisa	0786589562	soisa@gmail.com	colombo branch
9	amal perera	0782365589	amal@gmail.com	colombo branch
10	mawan	0753269854	mawan8@	trinco branch
11	poorna	0758969665	poorna@gmail.com	colombo branch

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

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6. Employee Registration.

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Employee Registration

Search

ID	Name	User Name	Password	NIC	Email	Contact_...	Address	Category	Emp Cate...
1	maduka	maduka4@	4336	9845631582V	Mduka@gm...	0728954363	no.32/kada...	Ring	recipcion
2	kasun sank...	kasun4@	55869	20015896357	kasun@gm...	0778658823	No.04,Colo...	Necious	Workers
3	dilshan	dilshan3@	589745	2001589638	dilshan@g...	0778965585	no.03,kandy...	Ring	Workers
4	maduka	maduka4@	4336	9845631582V	Mduka@gm...	0728954363	no.32/kada...	Ring	recipcion
5	kasu	kasu@	45569	56972585	kskskj@j@g...	0758996585	kandy road	Necious	Workers

Name

User Name

Password

NIC

Email

Mobile_No

Address

JCategory

ECategory

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

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7. Branch Registration.

Branch Registration

Contact No : Company Name :

Branch Name : Address :


Branch ID	Branch Contact No	Branch Name	Company	Address
5	0753568954	ampara	Kingki (Pvt) Ltd	25,Ward Terrace,
6	0785555222	kongo	Kingki (Pvt) Ltd	25,Ward Terrace,
3	0769990235	trincob branch	Progress Factors Ltd	Kassapa Road,Colombo
2	0756984523	colombo branch	Gemsart International (Pvt.)...	10,wijeyamangalarama Road,
1	0786589262	jewell kandy	Jewel of A Million	25,Ward Terrace,
4	0783358758	kurunegala branch	Shaminda	10,wijeyamangalarama Road,



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

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8. Add Companies.



Company Name :
Contact Number :

ID	Company Name	Contact Number
1	Kingki (Pvt) Ltd	0763589248
2	Progress Factors Ltd	0777715641
3	Gemsmart International (Pvt.) ...	0703685896
4	Jewel of A Million	0726985462
5	Shaminda	0776139813
6	golden pvt	0763225598

9. Company Address.



Address :
City :

ID	City ID	Address
1	2	No:0246/5/ Egula Road,
2	3	25,Ward Terrace,
3	1	10,wijeyamangalarama Road,
4	3	Kassapa Road,Colombo
5	1	No.02,colombo

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10. Owner Registration.

Jewelry SHOP

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Owner Registration

ID	Name	User Name	Emaill	Passcode	Emp_Category
1	Mawantha	Mawantha5@	mawanthadeeg...	5336	admin
2	kasun	kasun4@	kasunsankalpa6...	4522	recption
3	nadun	nadun3@	nadun@gmail.c...	4556	recption
4	sarath	sarath8@	sarath@gmail.c...	889624	recption

Owner Registration Form:


Name: User Name: Emp Category:

Email: Passcode:

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

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11.Add Jewelleries.



Jewelry
SHOP

Customer Registration

Supplier Registration

Employee Registration

Branch Registration

Owner Registration

Add Jewellery

Stock


Reports

Exchanged Item

Logout

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Add Jewellery



Jewelry
SHOP

Search

ID	Name	Caret No	Supplier	Category	Material
1	golden nec	06	Rocchana Rathn...	Ring	Silver
2	Jewelary Empire	03	Thewindu Munn...	Ring	Silver
5	golden egal	25	Rocchana Rathn...	Neclous	Silver
3	The Gold Lodge	10	Tashila kumaraya	Neclous	Gold
4	mmd	24	Rocchana Rathn...	Neclous	Gold
7	GOLD RGAL	24	dasun sanka	Neclous	Gold
8	silver nec	24	Rocchana Rathn...	Neclous	Gold
9	golden necs	24	dasun sanka	Ring	Gold
6	golden siver	24	Rocchana Rathn...	Neclous	Platinum

Add Jewellery

Update

Add Category

Add Material

➤ Add Jewelleries to the shop is done by this.

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12.Stock.

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Stock

Stock id	Jewellery id	Category	Name	Carat No	Quantity	Buying Price	Selling Price	Purchase Date	Status
67	7	Neclous	GOLD RGAL	24	2	6000.0	7000.0	2022-08-09	Available
38	7	Neclous	GOLD RGAL	24	2	800.0	9000.0	2022-08-06	Available
49	7	Neclous	GOLD RGAL	24	2	6000.0	7000.0	2022-08-07	Available
55	5	Neclous	golden egal	25	4	40000.0	50000.0	2022-08-09	Unavailble
17	5	Neclous	golden egal	25	8	60000.0	80000.0	2022-08-01	Unavailble
26	1	Ring	golden nec	06	3	555.0	5555.0	2022-08-01	Unavailble
27	1	Ring	golden nec	06	2	2222.0	50000.0	2022-08-01	Unavailble
30	1	Ring	golden nec	06	2	60000.0	70000.0	2022-08-01	Unavailble
35	1	Ring	golden nec	06	2	6000.0	7000.0	2022-08-01	Unavailble
50	1	Ring	golden nec	06	2	2000.0	3000.0	2022-08-07	Unavailble

Buying Price : 0.00 Carat No : PD : 8/10/22

New Price : Name :

Category :

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

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13.Reports.



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

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14.GRN.

[illegible]

- 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.

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15.Invoice.

Id : None

Caret No : None

Quanti...

Name : None

Categor... None

Selling Price :

PD :

Select Jewellery

Add To Invoice

Customer Name	Jwellery Id	Caret NO	Name	Quantity	Selling Price	PD	Total

Select Customer

ID : None

Fiest Name : None

Last Name : None

Contact No : None

Total Payment : None

Payment

Payment Meth...

Balance : None

Print 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.

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16.Employee Reports.

Employee Details									
ID	Name	User N...	Passwo...	NIC	Email	Contact...	Address	Catego...	Emp C...
1	maduka	maduka4...	4336	98456315...	Mduka@...	0728954363	no.32/ka...	Ring	reception
2	kasun sa...	kasun4@	55869	20015896...	kasun@...	0778658823	No.04,Col...	Necious	Workers
3	dilshan	dilshan3@	589745	20016589...	dilshan...	0778965585	no.03,ka...	Ring	Workers
4	maduka	maduka4...	4336	98456315...	Mduka@...	0728954363	no.32/ka...	Ring	reception
5	kasu	kasu@	45569	56972585	kalskijaj...	0758996585	kandy ro...	Necious	Workers

Print

- 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.

Supplier Details				
ID	Name	Contact No	Email	Company Branch
1	Rocchana Rathnaya...	0769815988	Rochana@gmail.com	colombo branch
2	Thewindu Munnaa	0776358954	Thevindu@gmail. c...	colombo branch
3	Rocchana Rathnaya...	0769815988	Rochana@gmail.com	colombo branch
4	Rocchana Rathnaya...	0769815989	Rochana@gmail.com	colombo branch
5	Rocchana Rathnaya...	0769815988	Rochana@gmail.com	colombo branch
6	Tashila kumaraya	0713573654	tashilakumaraya@...	jewell kandy
7	dasun sanku	0783658923	dk12@gmailo.com	jewell kandy
8	Mendis soisa	0786589562	soisa@gmail.com	colombo branch
9	amal perera	0782365589	amal@gmail.com	colombo branch
10	mawan	0753269854	mawan8@	trinco branch

Print

- 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.


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18. Stock.

Stock									
Stock id	Jewellery...	Category	Name	Caret No	Quantity	Buying P...	Selling_P...	Mfd	Status
67	7	Neclous	GOLD R...	24	2	6000.0	7000.0	2022-08-...	Available
38	7	Neclous	GOLD R...	24	2	800.0	9000.0	2022-08-...	Available
49	7	Neclous	GOLD R...	24	2	6000.0	7000.0	2022-08-...	Available
55	5	Neclous	golden e...	25	4	40000.0	50000.0	2022-08-...	Unavailb...
17	5	Neclous	golden e...	25	8	60000.0	80000.0	2022-08-...	Unavailb...
26	1	Ring	golden n...	06	3	555.0	5555.0	2022-08-...	Unavailb...
27	1	Ring	golden n...	06	2	2222.0	50000.0	2022-08-...	Unavailb...
30	1	Ring	golden n...	06	2	60000.0	70000.0	2022-08-...	Unavailb...
35	1	Ring	golden n...	06	2	6000.0	7000.0	2022-08-...	Unavailb...
50	1	Ring	golden n...	06	2	2000.0	3000.0	2022-08-...	Unavailb...
66	1	Ring	golden n...	06	2	6000.0	7000.0	2022-08-...	Available
19	1	Ring	golden n...	06	6	65000.0	65100.0	2022-08-...	Unavailb...

- 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.



Customer Registration

Supplier Registration

Employee Registration

Branch Registration

Owner Registration

Add Jewellery

Stock

Reports

Exchanged Item

Logout

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Exchanged Item

ID	Date	NIC	Jewellery Name	Category
1	2022-08-09	962223345V	golden nec	Neclous
2	2022-08-09	987452485V	golden siver	Neclous

Date:
NIC:
Jewellery Name:

Category:

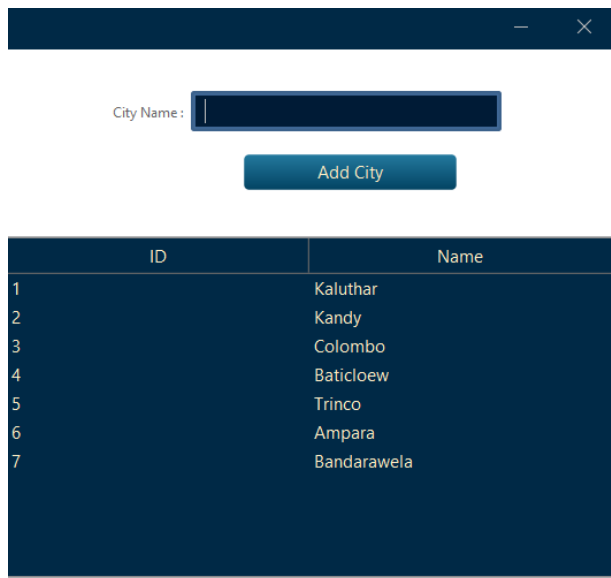
Add

Update

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

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20.City.



City Name:

ID	Name
1	Kaluthar
2	Kandy
3	Colombo
4	Baticloew
5	Trinco
6	Ampara
7	Bandarawela

- 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.

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Portability

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



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