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**Sanjay Bhokare Group Of Institutes, Miraj**

# **Realsoft Management System**

**Group: G9**

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# **Abstract:**

**Developing a dedicated server and multiple clients for sponsored institute, central database and AI ability software for making ease in daily work of institution.**

# **What is Realsoft ?**

- **A huge institution which is teaching and consulting students.**
- **Every year more than 720 students complete their courses.**
- **Retained Our Group as their Software developer and system Consultant.**
- **Realsoft Computers is our sponsor.**

# Existing System

- It use old systems and software build in clipper language.
- Database is Foxbase which is Microsoft system provided.
- Database is not secure.
- Data access slow.
- Old GUI & old technique for software access.

# Proposed System

**Proposed system contain following features:**

- **Fast and light software.**
- **Rich user interface.**
- **Fast data traversal.**
- **All data is stored and get manipulated at one central place.**
- **Its main thought for project as central data cluster.**
- **Multiple Software Clients and single data server is our main target.**



# Technology for new System

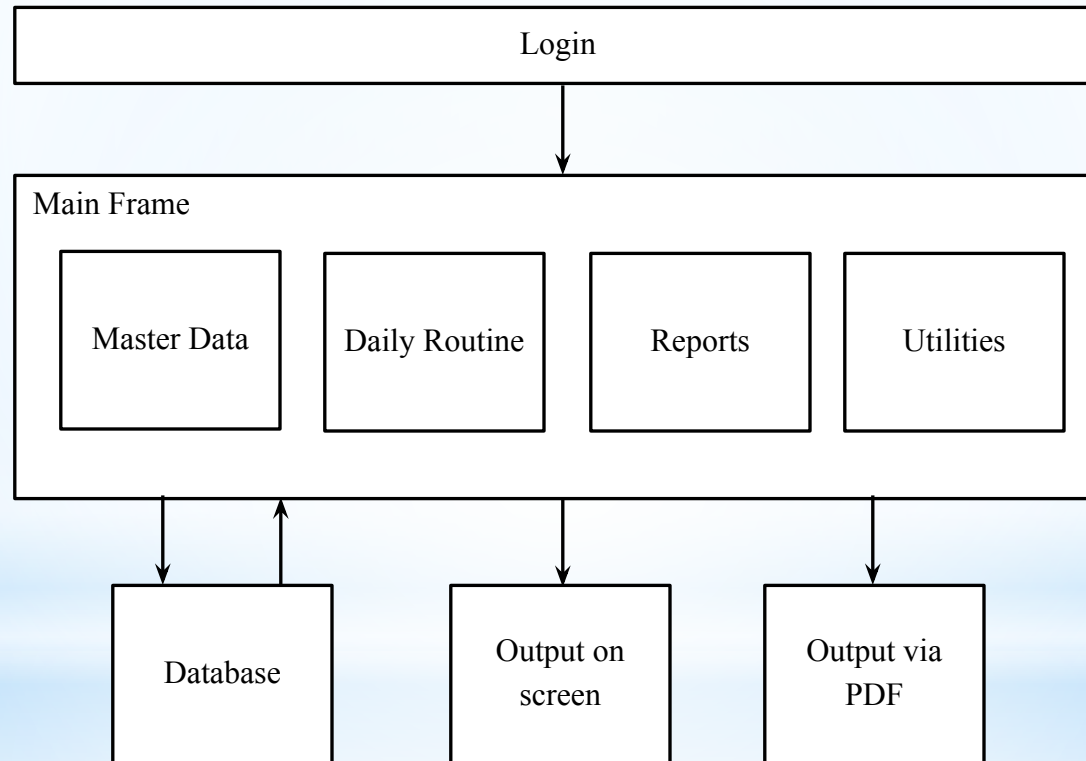
- **Core codes are in Java and XML.**
- **RIA - Rich Internet Application - GUI components in lite web styled forms and all functions works with Core java, its combination is called JavaFX.**
- **SQLite database, works on very low system requirements.**
- **IntelliJ IDEA IDE.**
- **Software production is Compiled on NVIDIA Gaming Processor for high graphics and better performance.**



# Technical Requirements:

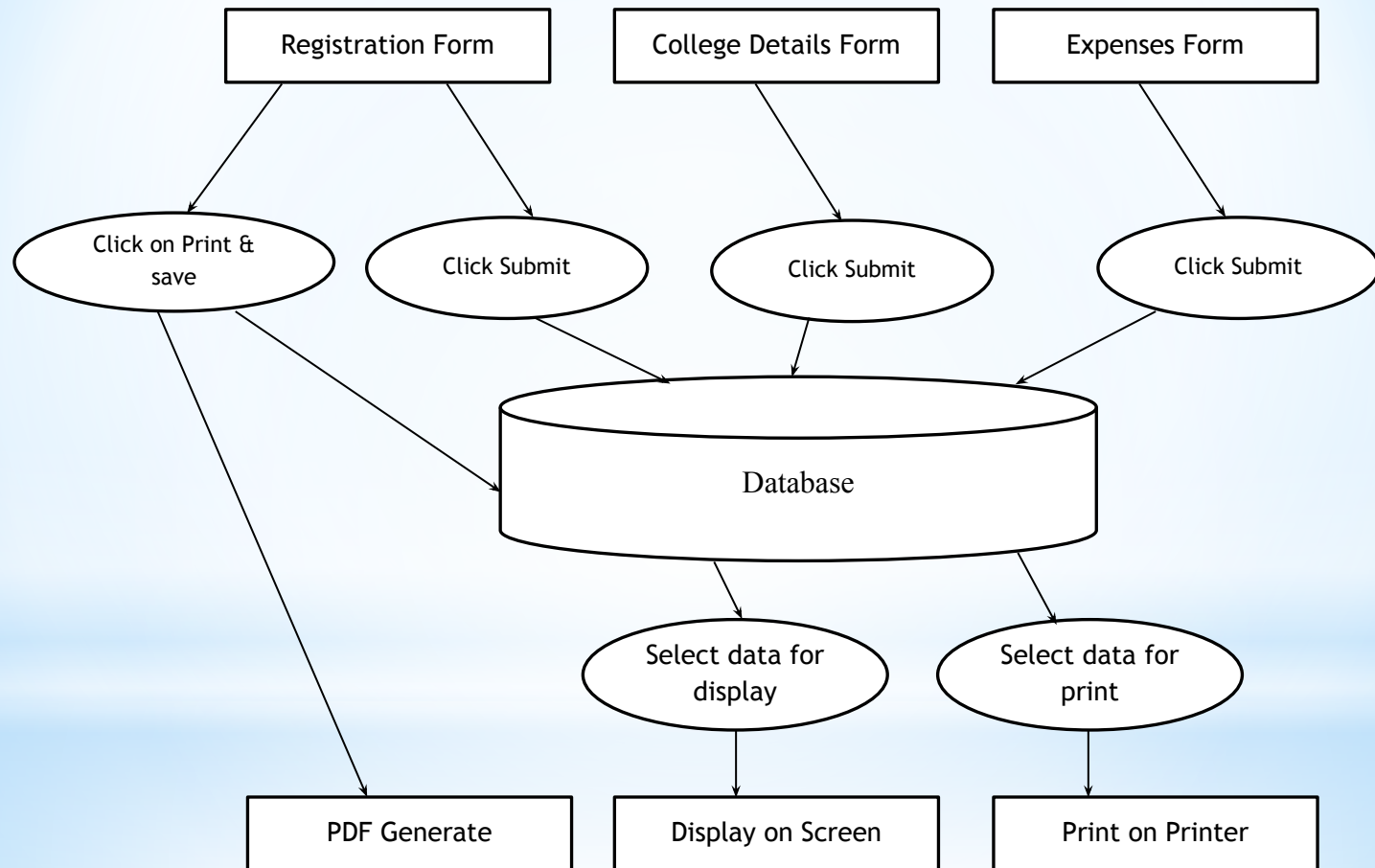
Software Requirements:	Hardware Requirement:
Operating System: Microsoft Windows XP / Win7/win 8.	Pentium 4 processor or higher.
Software: Java 8 or above.	Hard Disk 80GB.
Platform of development: JavaFX	1GB RAM.
Database: SQL Lite	Monitor Regulation up to: 1360 x 768

# Block Diagram:



**Fig. Block Diagram**

# Data Flow Diagram:

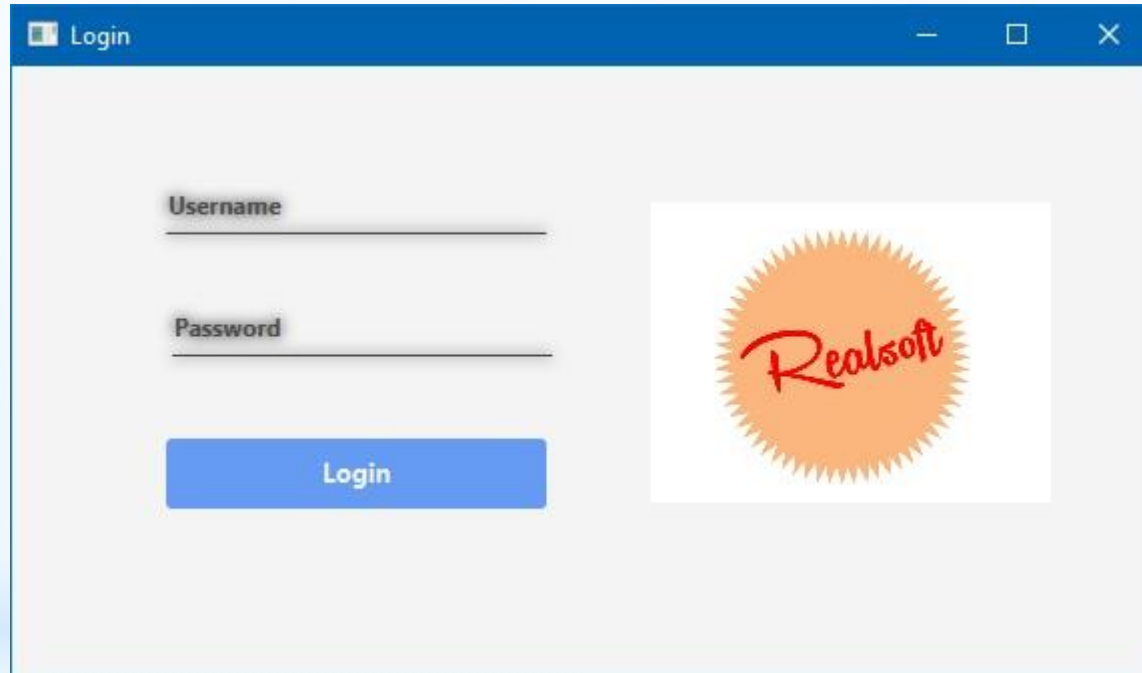


**Fig. Block Diagram**

# Screenshots:

- **Login Form**
- **Main Window/ Master Data**
- **College Data**
- **Batch Data**
- **Daily Routine**
- **Registration**
- **Fees Receipt**
- **Reports**
- **Utilities**

# Screenshot: Login Form




A screenshot of a login form window. The window has a blue title bar with the text "Login" and standard window control buttons (minimize, maximize, close). The main content area is light gray. On the left, there are two input fields: "Username" and "Password", each with a label above it and a horizontal line for text entry. Below these fields is a blue button with the text "Login". To the right of the input fields is a square logo featuring a stylized orange sunburst or starburst shape with the word "Realsoft" written in a red, cursive font across its center.

# Screenshot: Main Window/ Master Data



# Screenshot: College Data

College Data Entry



**College Data Form**

College Name

College Address


College Phone

**Submit**



# Screenshot: Batch Data


Batch Information Form



Create Batch

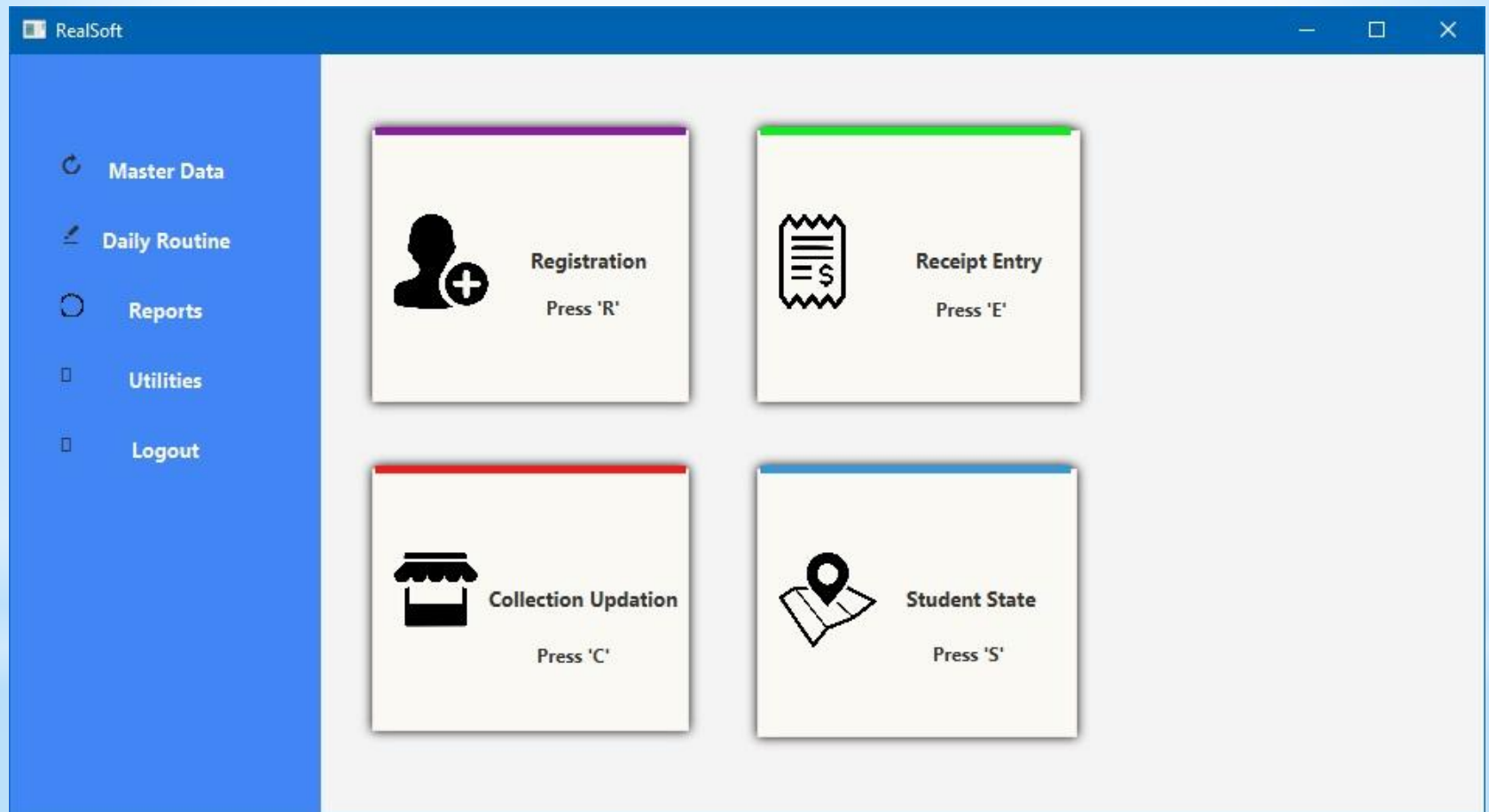
Choose Language

☒ C ☐ C++  
☐ DS ☐ Java

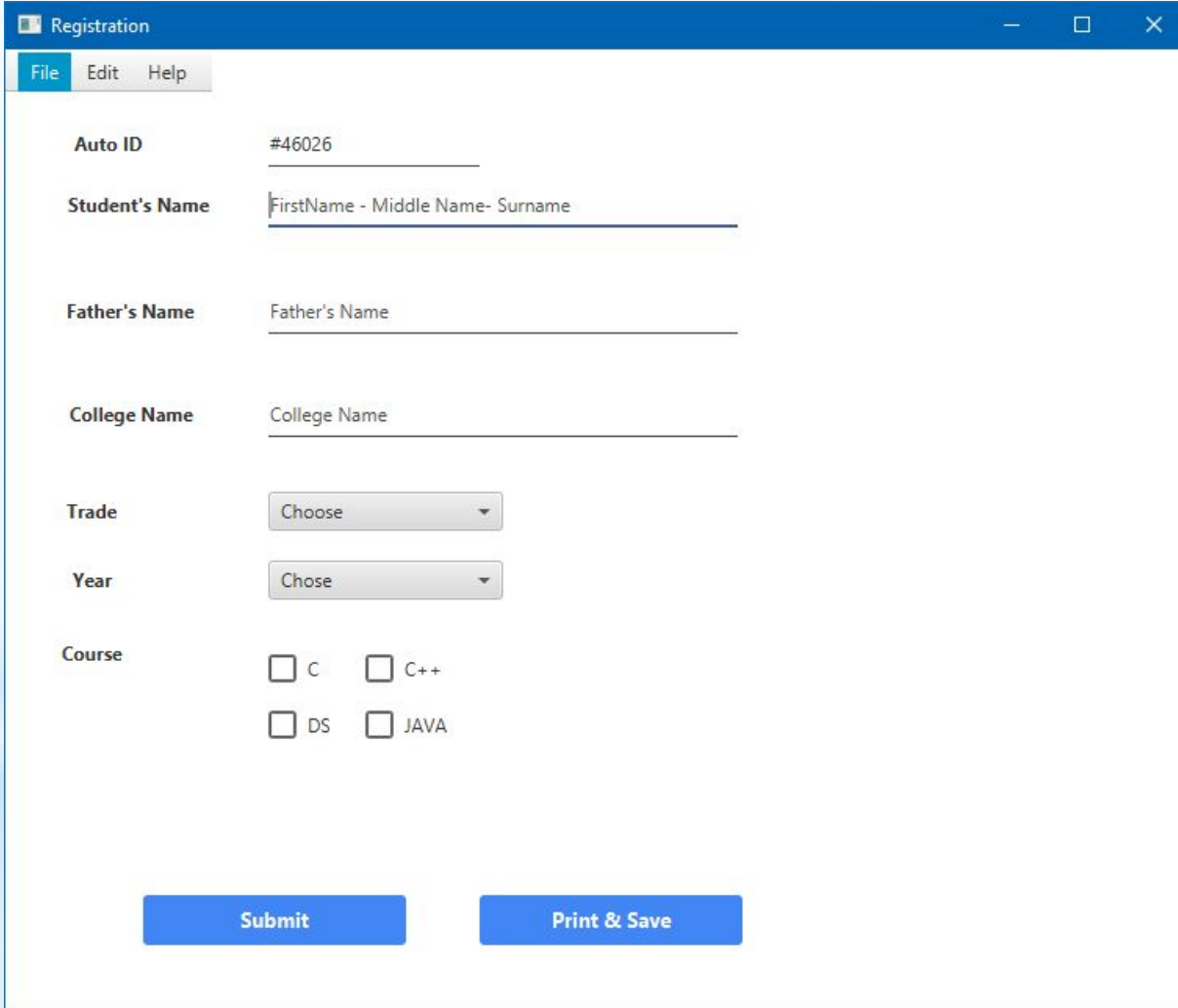
Time For Batch  

Submit

# Screenshot: Daily Routine



# Screenshot: Registration



The screenshot shows a web application window titled "Registration". It features a menu bar with "File", "Edit", and "Help". The form contains several input fields and buttons. The "Auto ID" field is pre-filled with "#46026". The "Student's Name" field has a placeholder "FirstName - Middle Name- Surname". The "Father's Name" and "College Name" fields have placeholders "Father's Name" and "College Name" respectively. The "Trade" and "Year" fields are dropdown menus with "Choose" as the selected option. The "Course" section has four checkboxes for "C", "C++", "DS", and "JAVA". At the bottom, there are two blue buttons: "Submit" and "Print & Save".

Auto ID	#46026
Student's Name	FirstName - Middle Name- Surname
Father's Name	Father's Name
College Name	College Name
Trade	Choose
Year	Chose
Course	<input type="checkbox"/> C <input type="checkbox"/> C++ <input type="checkbox"/> DS <input type="checkbox"/> JAVA

[Submit](#) [Print & Save](#)

# Screenshot: Fees Receipt

Fee Receipt Form

FEES

Fee Receipt Entry

Student ID : #

Find

Choose Date :

Student Name :

Student's Name

Courses :

Total Fee :

Batch :

Select Batch


Now Paying :

Rupees

Submit

# Screenshot: Student State

Add State



Add States

Student ID : #

Find

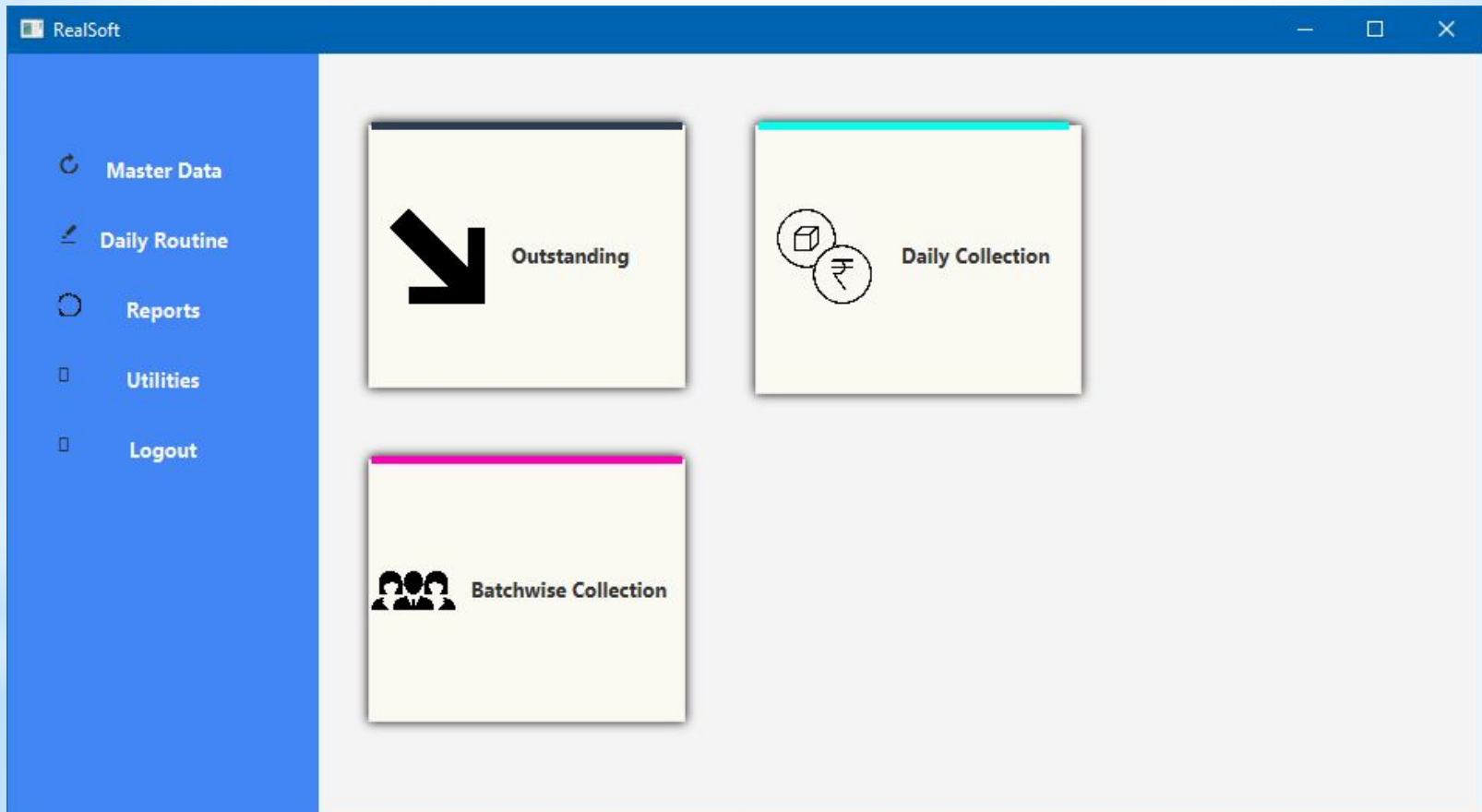
Student Name :

Student Name

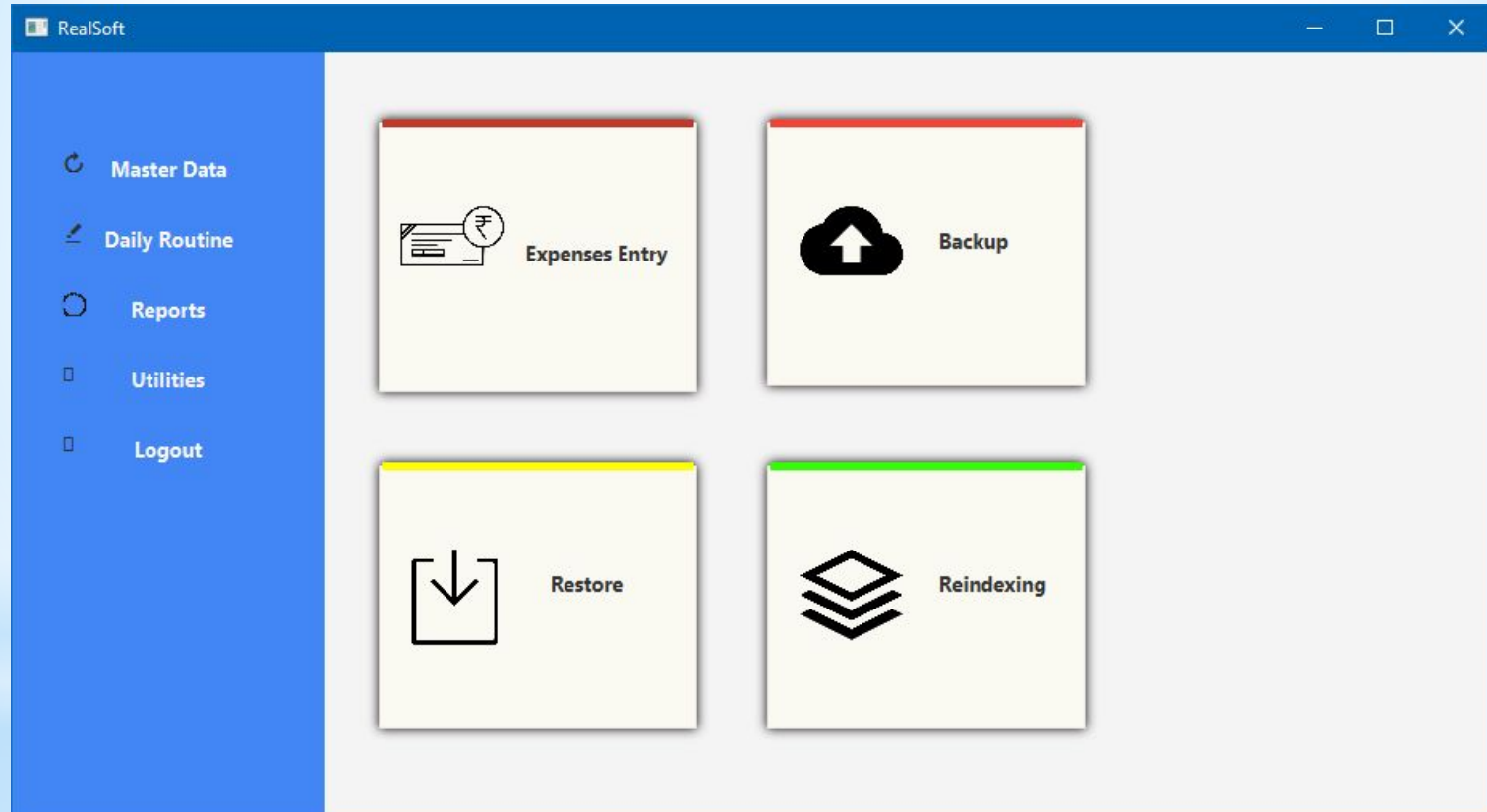
Active

Submit

# Screenshot: Reports



# Screenshot: Utilities





# Application

**The institute like Realsoft or coaching institute can use this software, as well as the small institute can also use this software.**

# **Future Scope**

**The database and java is support the networking so we can also use the webpages for the database interaction.**

**Also add the message system and email system to the software.**

# Conclusion

**By developing this software we are simplifying the work of the sponsored institution and produce fast output in smooth User Interface.**

**Paperless Work concept is achieved.**

**We also learnt the new technology like:**

- Advanced Database.**
- Intelligent System Techniques.**
- JavaFX advanced UI.**
- External Libraries**

# References

- **Book: SQL Queries for Mere Mortals: A Hands-on Guide to Data Manipulation in SQL -John Viescas**
- **Book: Complete Reference Java 9th- Herbert Schildt**
- **<https://docs.oracle.com/javase/8/javafx/api/toc.htm>**
- **[www.stackoverflow.com](http://www.stackoverflow.com)**

**Thank You...!!!**