Shri Ambabai Talim Sanstha's

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:

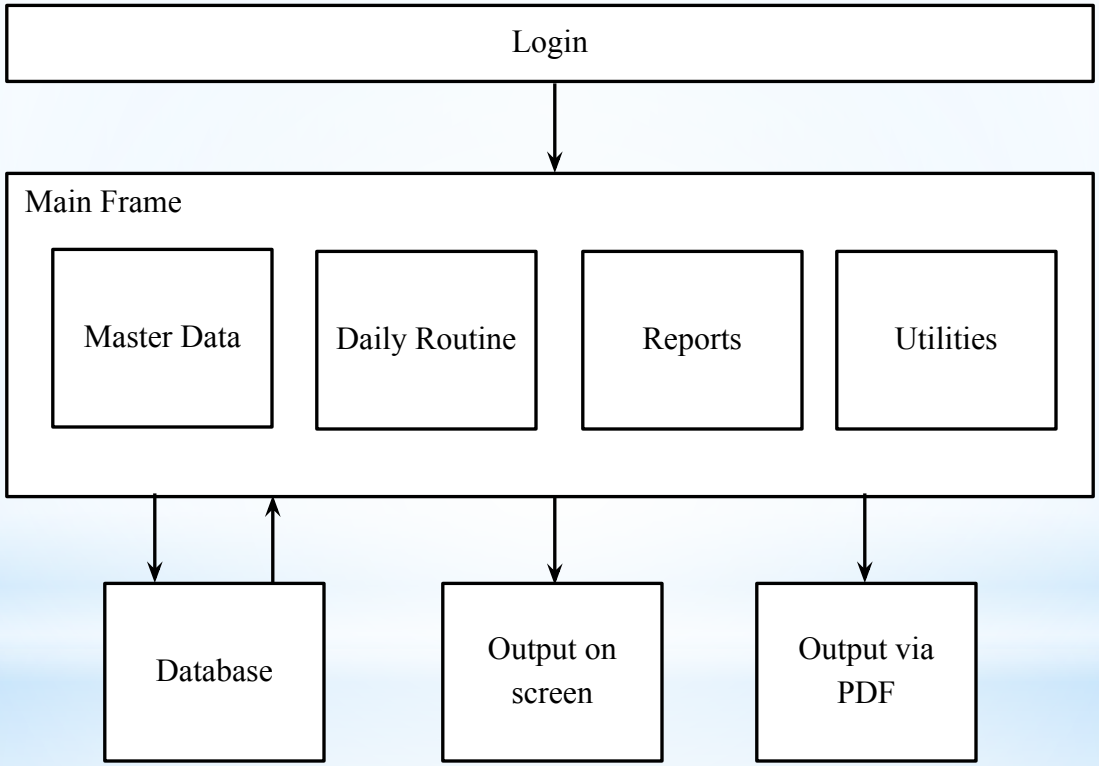


Fig. Block Diagram

Data Flow Diagram:

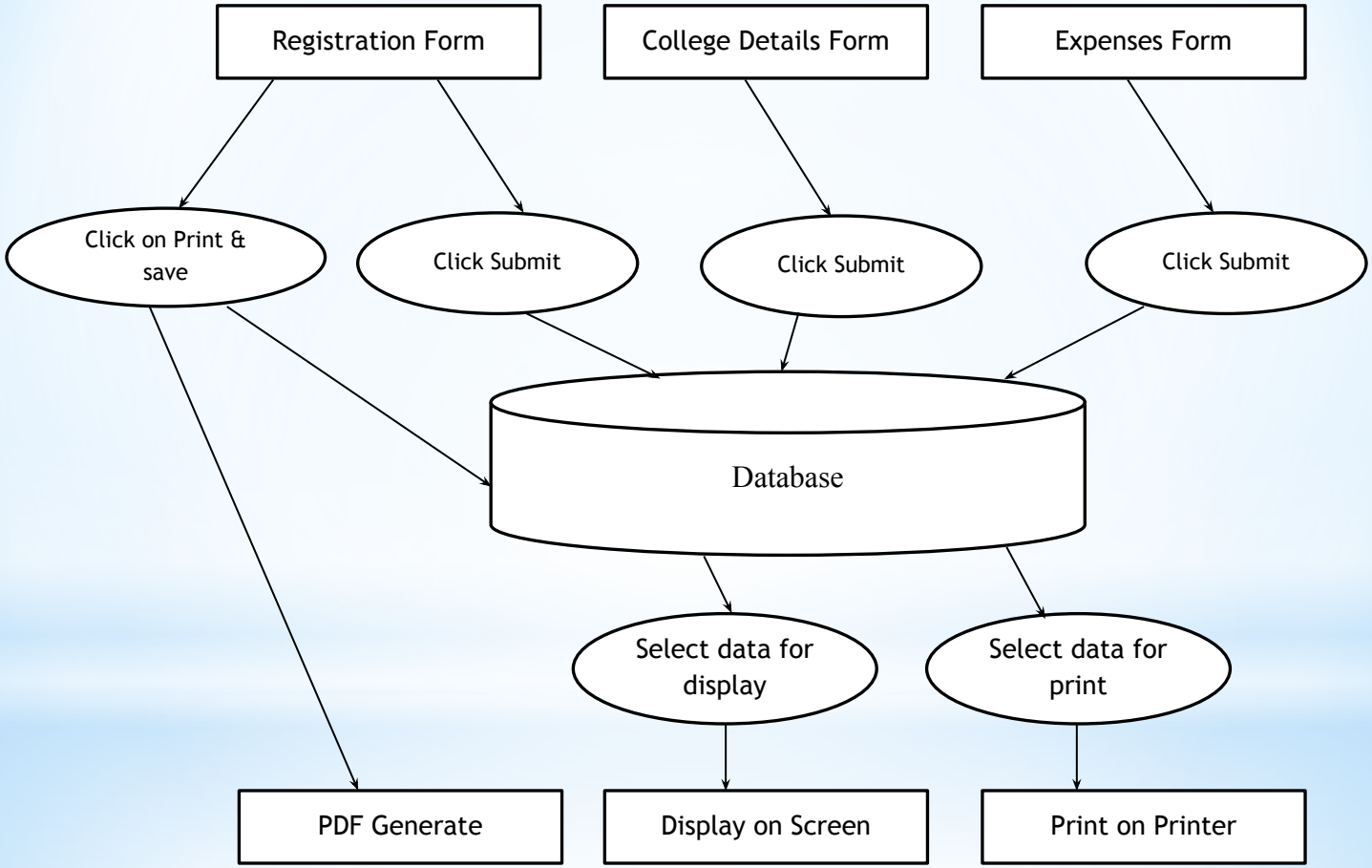
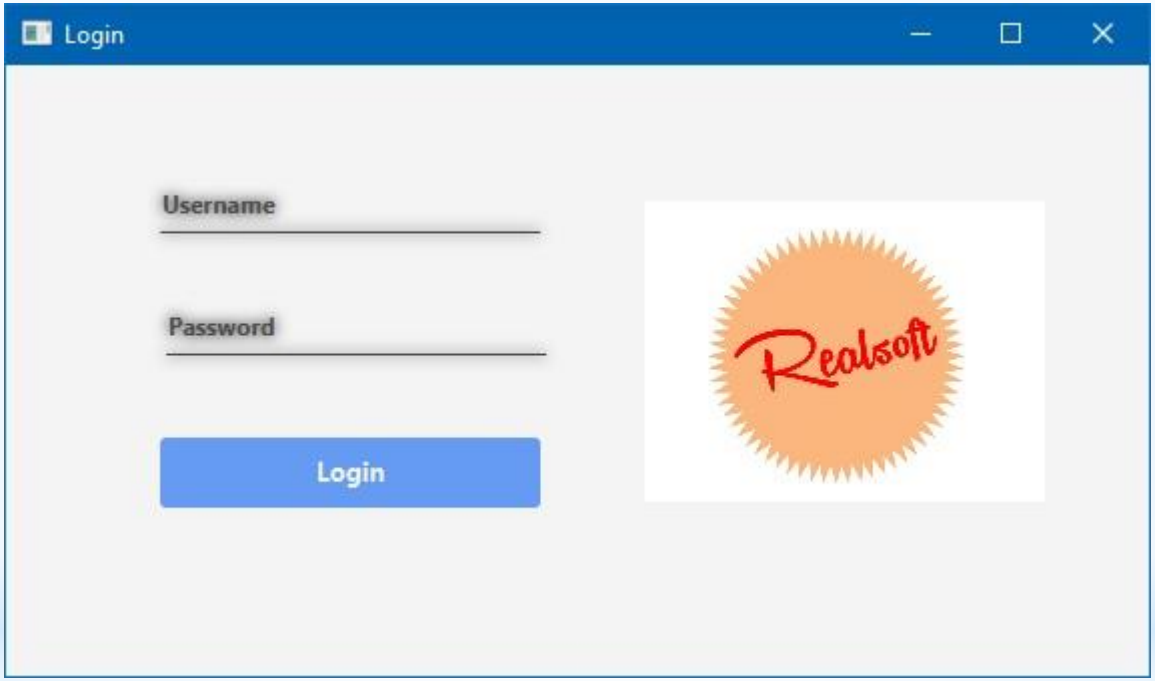


Fig. Block Diagram

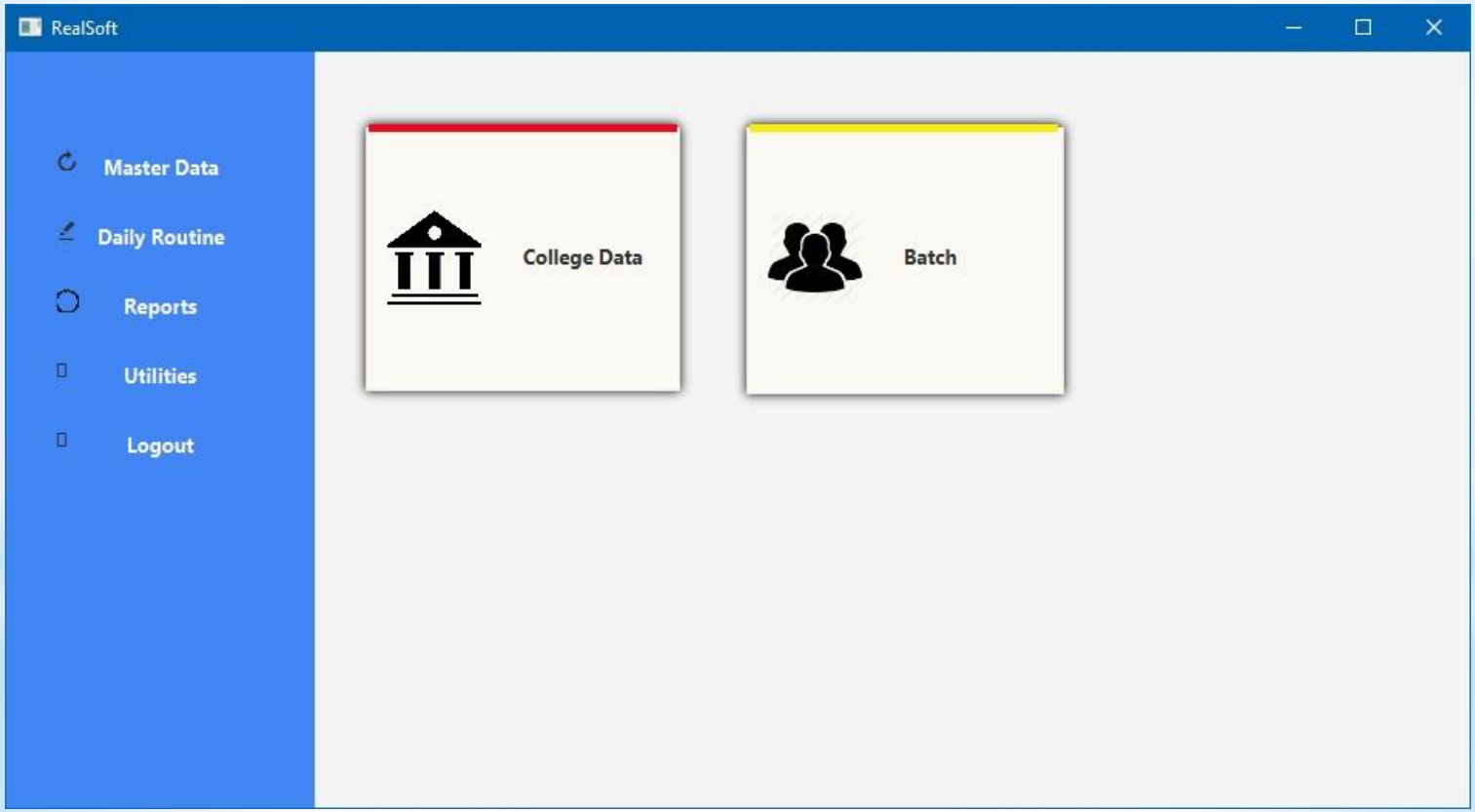
Screenshots:

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

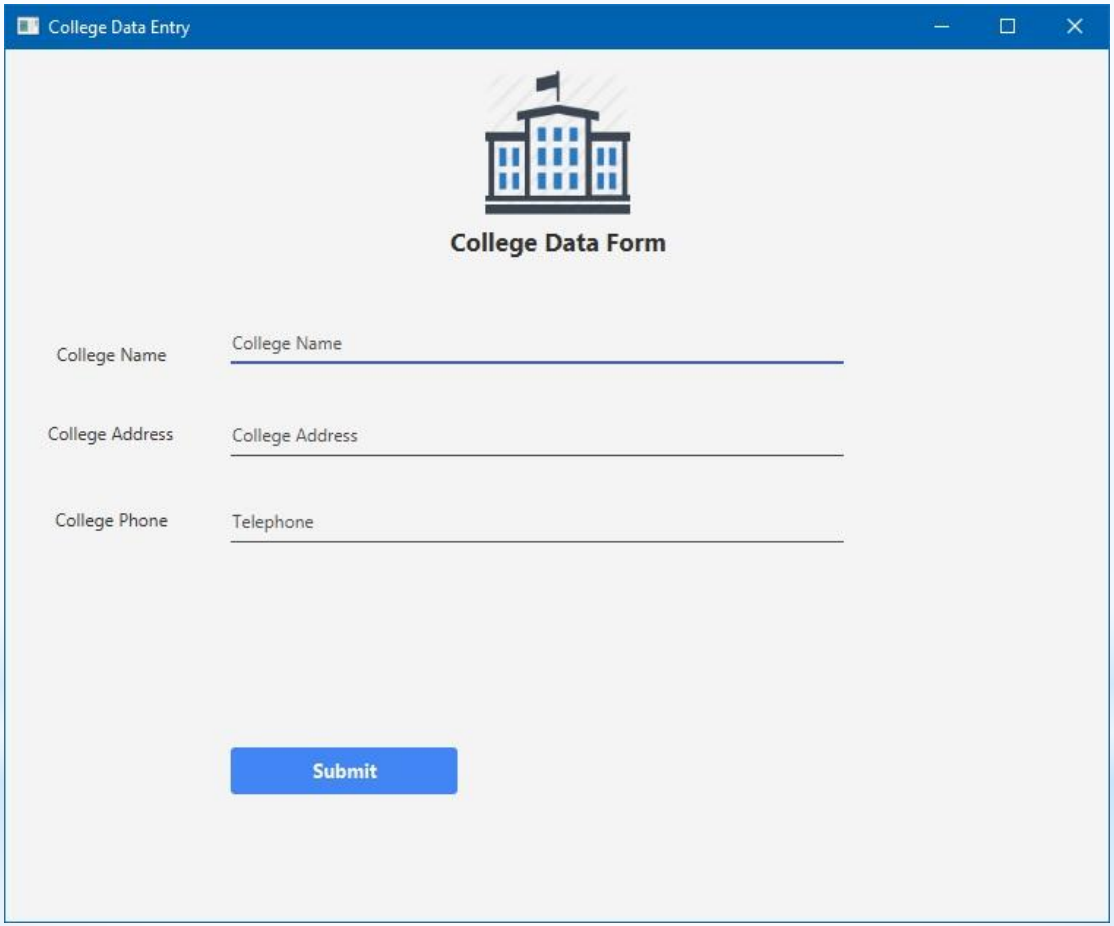
Screenshot: Login Form



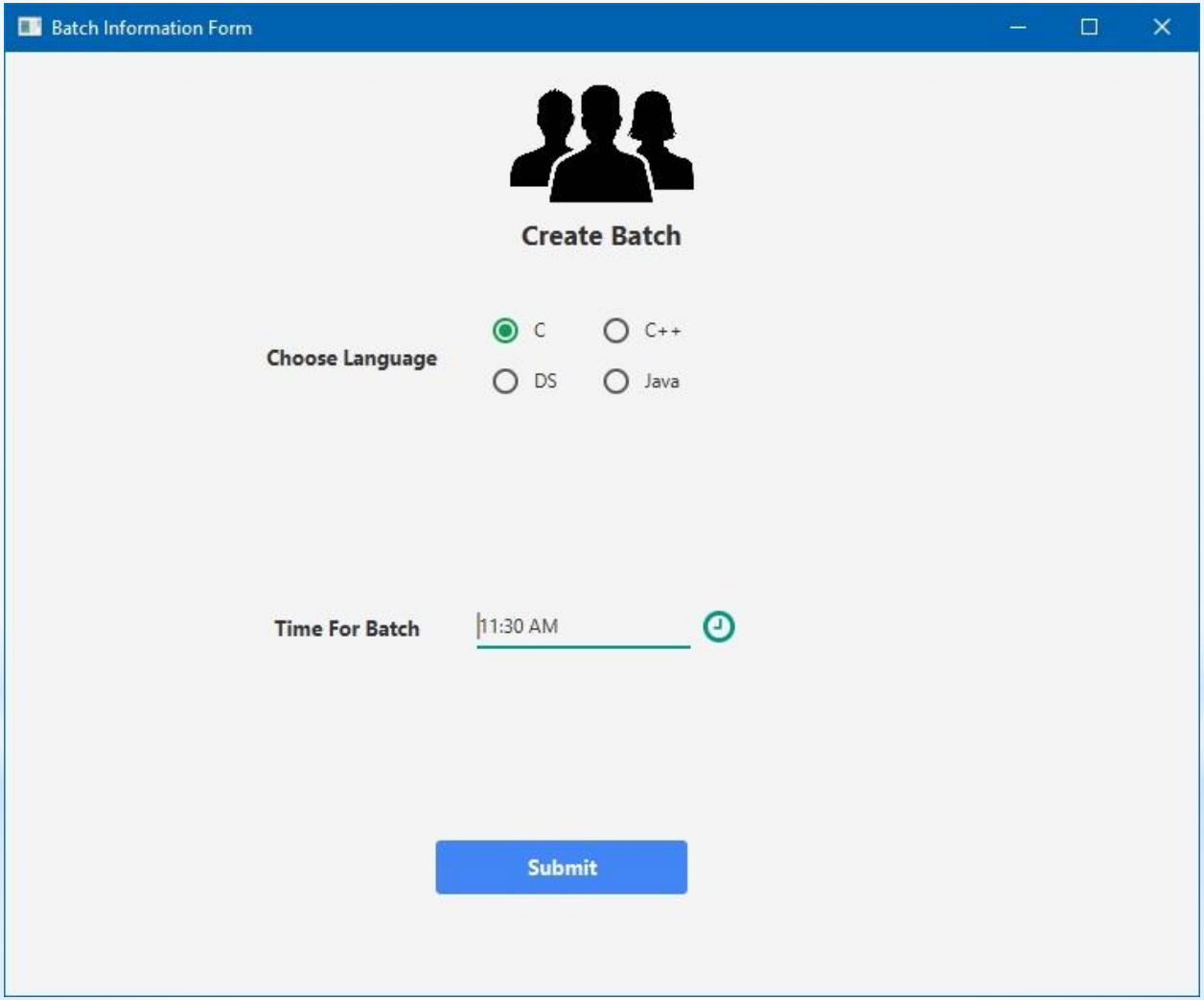
Screenshot: Main Window/ Master Data



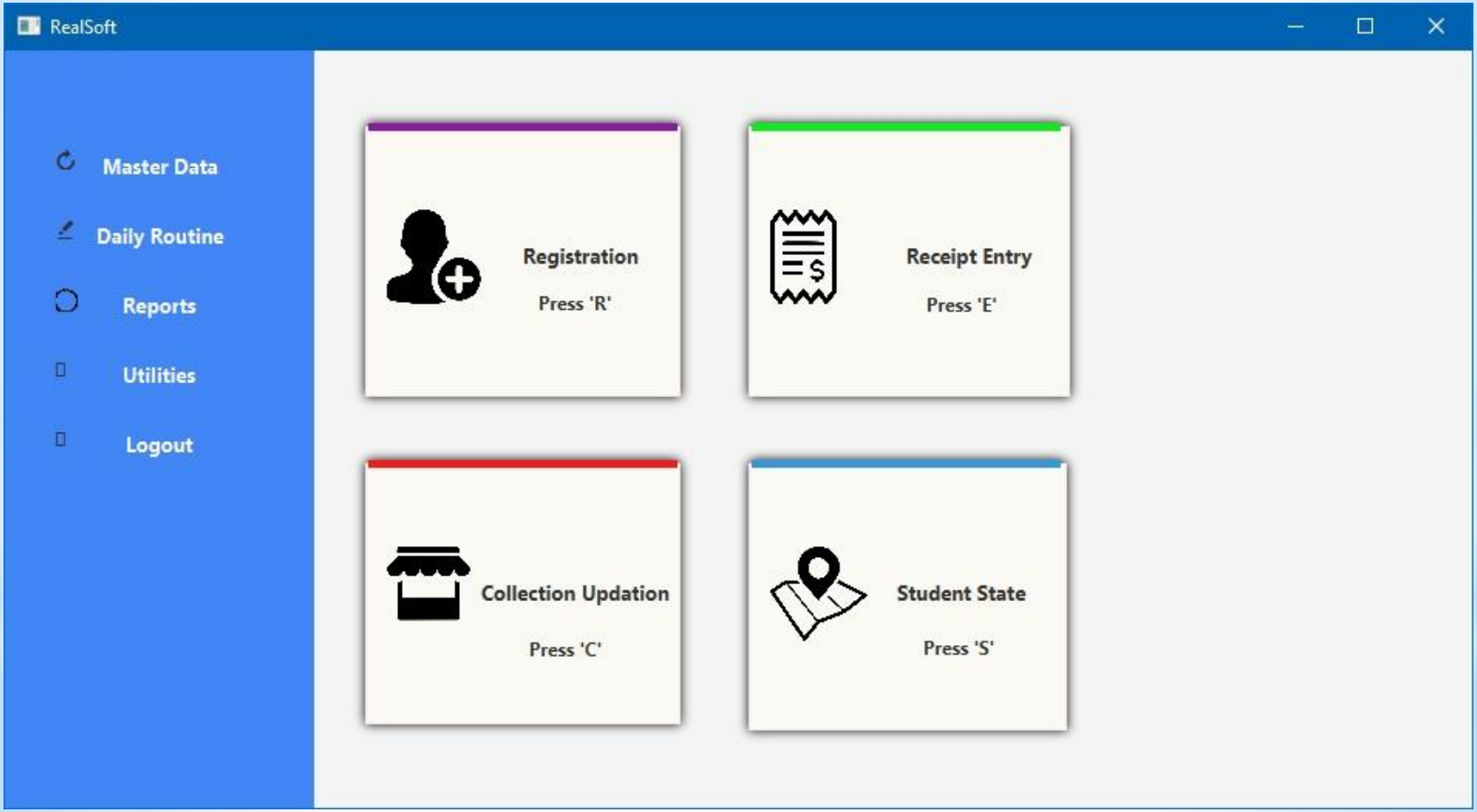
Screenshot: College Data



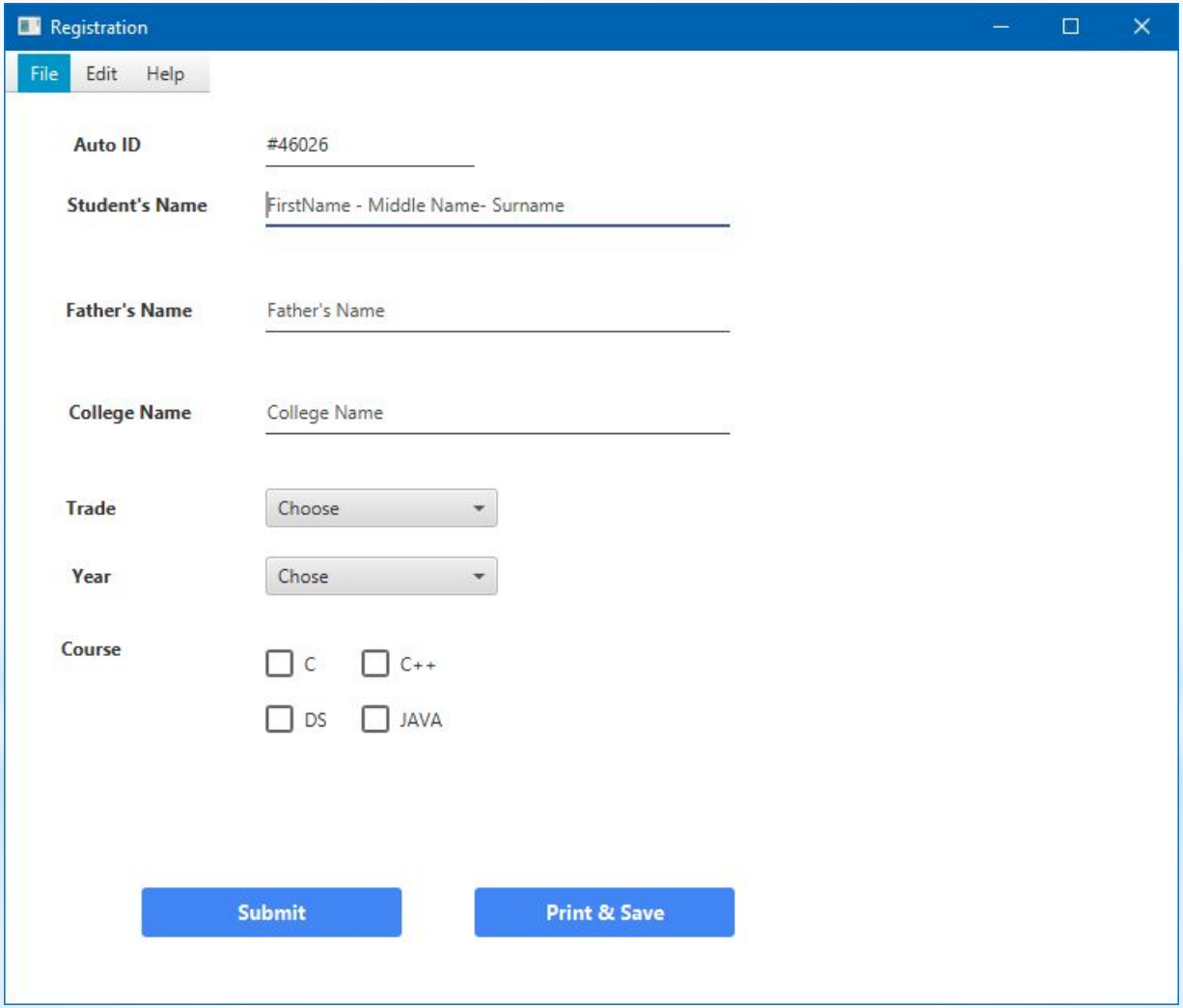
Screenshot: Batch Data



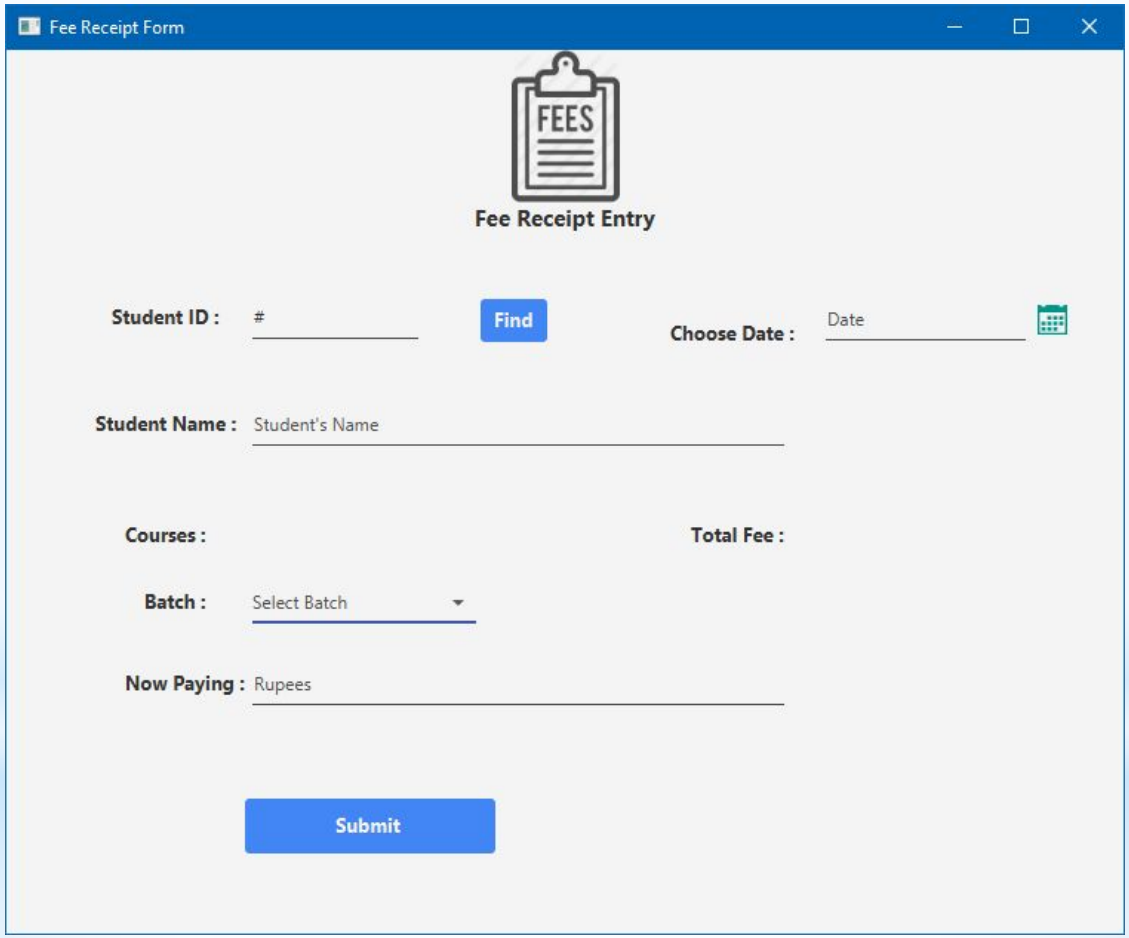
Screenshot: Daily Routine



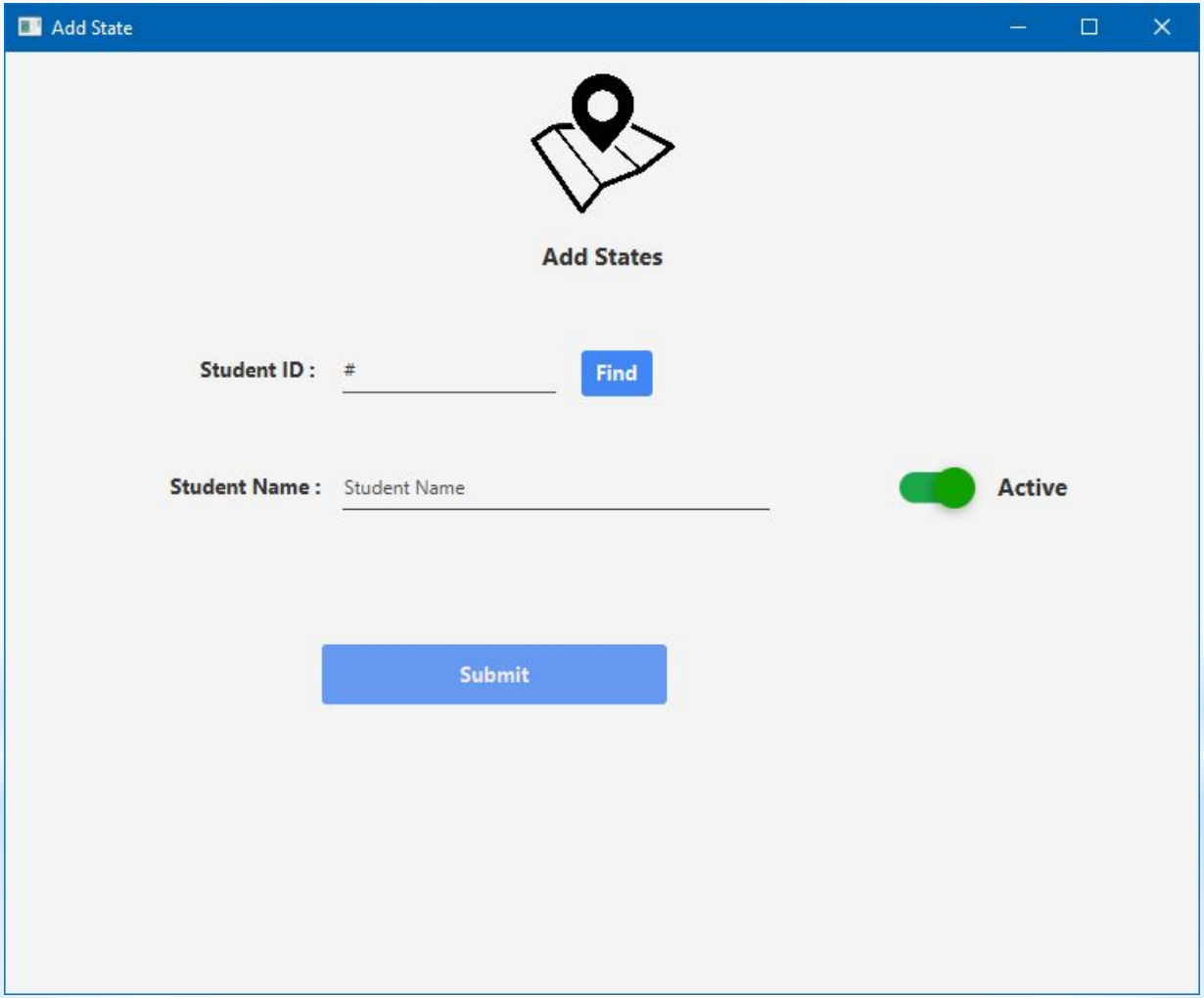
Screenshot: Registration



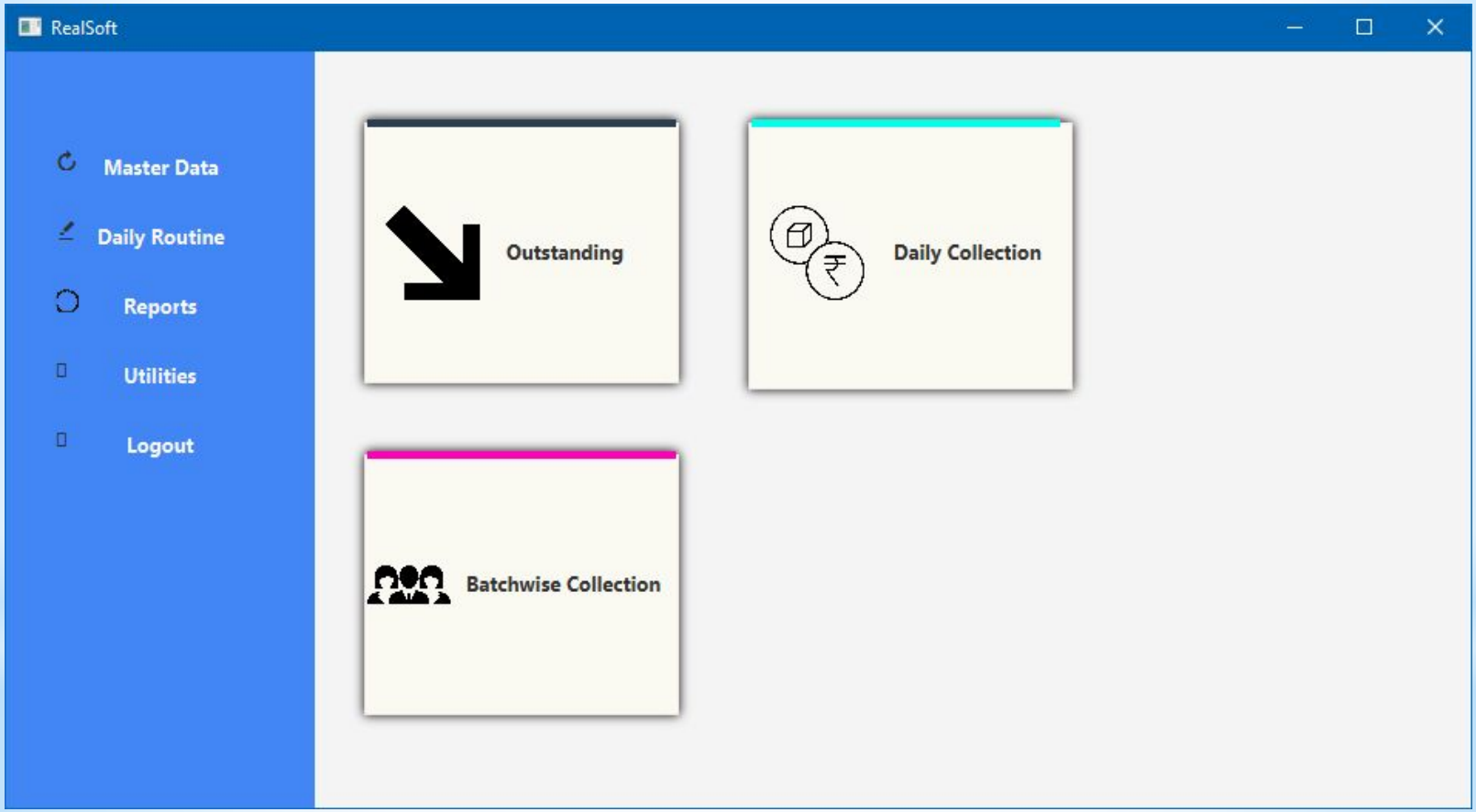
Screenshot: Fees Receipt



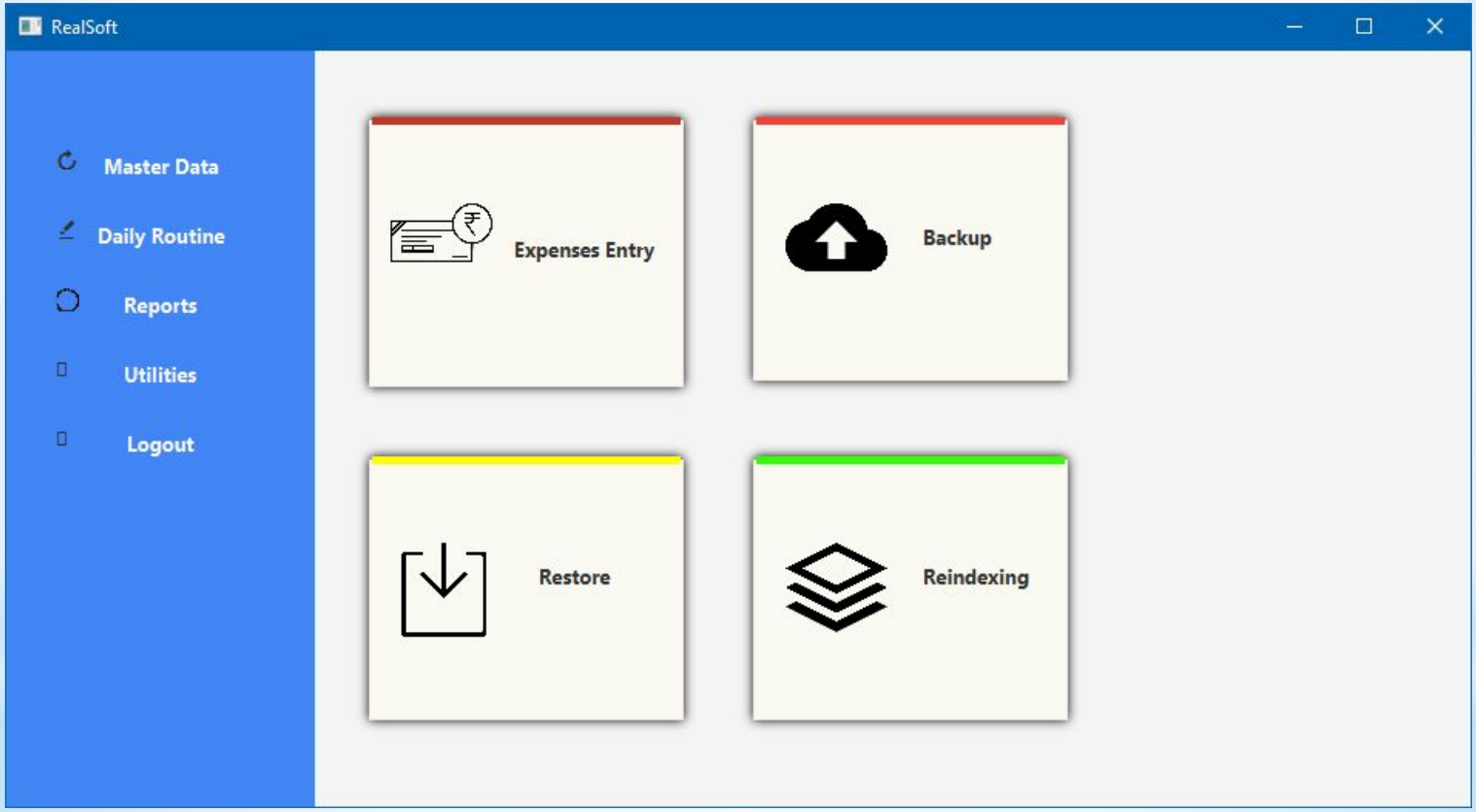
Screenshot: Student State



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

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- Book: Complete Reference Java 9th- Herbert Schildt
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- www.stackoverflow.com

Thank You…!!!