Shri Ambabai Talim Sanstha's

SBGI Faculty of Engineering, Miraj

A PROJECT REPORT

ON

Realsoft Management Software

Submitted to

Shivaji University, Kolhapur

In the partial fulfillment of the engineering of

Computer Engineering

By

Mr. Shivam Mukund kagalkar.
Mr. Chinmay Tushar Kulkarni.
Miss. Madhuri Akram Kamble.
Mr. Aditya Jayant Desai.

Under Guidance of

Miss. S. S. Peerzade.

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CERTIFICATE

This is to certify that the project entitled **"Realsoft Management System"** submitted by Mr. Shivam Mukund Kagalkar, Mr. Chinmay Tushar Kulkarni, Miss. Madhuri Akram Kamble and Mr. Aditya Jayant Desai from TE Computer in practical fulfillment of the requirement of the award of **Computer Science and Engineering** to **Shivaji University, Kolhapur** has been carried out by them under my guidance satisfactory during the academic year 2017-18.

Place: Miraj

Date:

(Guide)	(HOD)	(Director)
Miss. S. S. Peerzade.	**Mr. C. G. Kokane-Pawar**	**Dr. A. C. Bhagali.**

(External Examiner)

ACKNOWLEDGEMENT

We are indeed grateful to **H.O.D.** of our Computer Science & Engg. Dept **Prof. C. G. Kokane-Pawar** for being an effective source of inspiration. A sense of prevailing satisfaction and achievement envelopes the whole feeling of having completed the project work under the guidance of **Prof. S. S. Peerzade.** We wish to express our respect, deep sense of gratitude regard to him for his valuable guidance, keen interest and co-operation without which it would have been impossible to accomplish this project successfully. It was indeed great experience to work under his guidance.

Place: Miraj

Date:

Mr. Shivam Mukund kagalkar.[Leader]
Mr. Chinmay Tushar Kulkarni.
Miss. Madhuri Akram Kamble.
Mr. Aditya Jayant Desai.

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1. INTRODUCTION

1.1 Abstract:

Developing software for managing daily schedule of institute.

1.2 Objective:

Realsoft is a Coaching and consultancy institution which currently working on full capacity and workload is distributed over old software system, this project is built on purpose to deploy upgraded and fast intelligent software which will make work of this institution smooth and fast.

1.3 Problem Definition:

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

2. SYSTEM OVERVIEW

2.1 Existing System

In old system Managing and keeping records of students was old technology and old database. The Database was stored on a single computer. The only one person can access hat data at a time so it time consuming. If pc is busy for another work then working of class is temporary stop. The hard copies of records are prints only on dot matrix printers. Database is system default database so no security and database can easily get accessed.

Drawbacks:

- It required lot of paperwork and time consuming.
- Maintaining all the information is very difficult.
- Calculating the faster result is very difficult.
- If that pc working stop then all work stop.
- The paper outputs are only on dot matrix printer which is very slow and no facilities like PDF receipt, automatic message system.
- Since, handling & maintaining System is not easy.

2.2 Proposed System

Today's world is computerized world Proposed system is software for "Realsoft management system". The main aim of this software is to make work flow flexible and lot of manual work reduced. We develop software which will enhance the productivity and security of data.

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

Related Ideas:-

1. Central Database

Lite and Fast software construction methods.

2. Smooth GUI using JavaFX

This proposed system manipulates and manage the data such that the user can easily add, modify, delete and display record.

3. Advantages of New System: -

1) It save time and work fast.
2) Maintaining all data and report is become easy.
3) Students can get data in soft copy format.
4) Using network the working is can do by using another pc in network.

2.3 New System Concept:-

✓ Smart and Fast Database Transaction –

Modern and intelligent self improving Methods which will make data transaction of this Management software fast and easy adaptable for software user.

✓ Central Database-

Current software system have limitations of client accessibility ,our software will overcome this problem by maintaining central database and let manage data to multiple client users.

✓ Lite and Smooth UI-

Complete change from old UI to new and smooth attractive User interface which will consume very low memory of system and works in Lite flow.

✓ Security-

Software access is password protected and smoothly flow through 'Antimalware service Executable' service from Microsoft.

✓ Licensed-

Software is protected under Commercial License and prevent copying the codes, Rights of software also predefined.

Constraints –

- Only authorized user can access software.
- Database cannot be manipulated directly.
- External Document format producing ability

3. DESIGN

3.1 Block Design

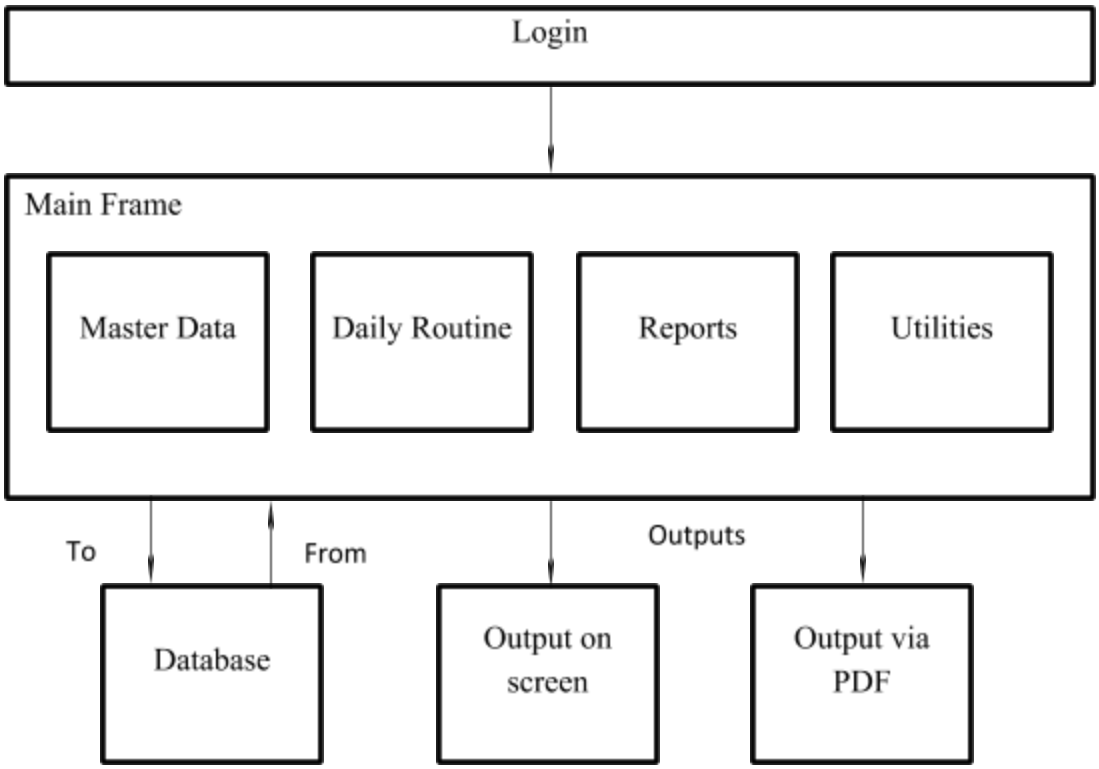

Fig. 3.1 – Block diagram of software

3.2 Flowchart for login to system:

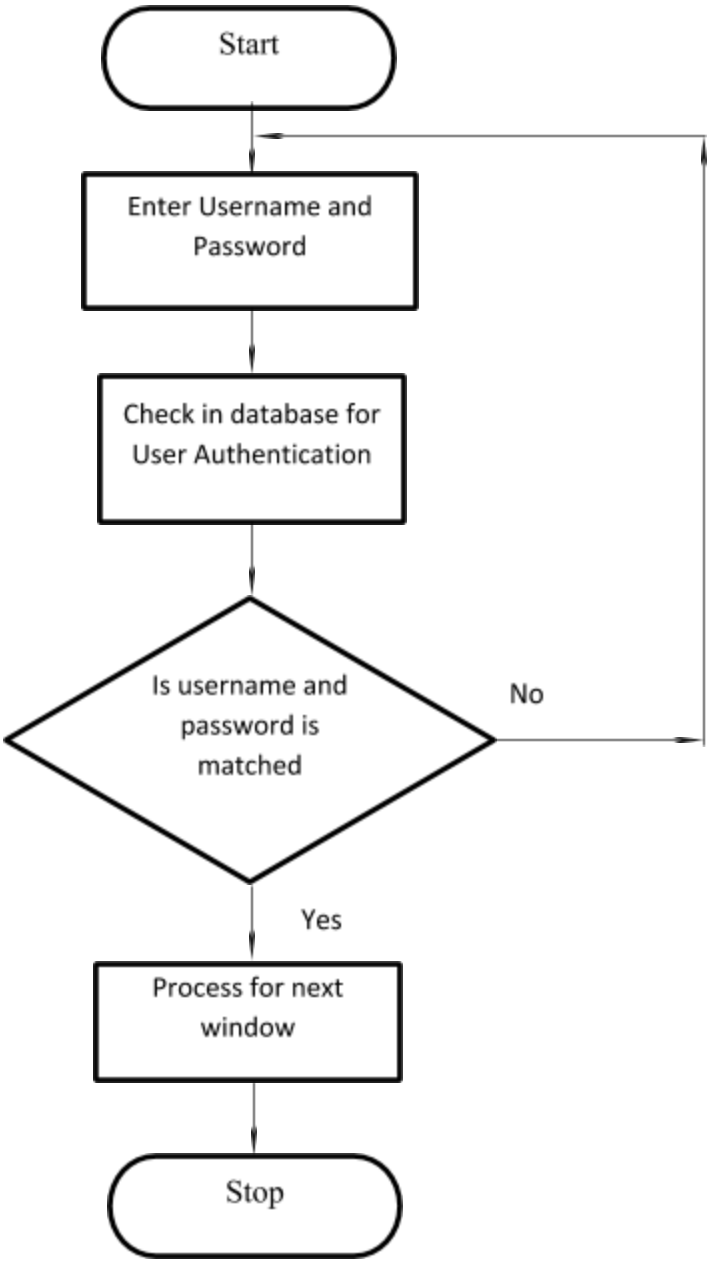

Fig. 3.2 – Flow Chart for login form

3.3 Flowchart for registration form:

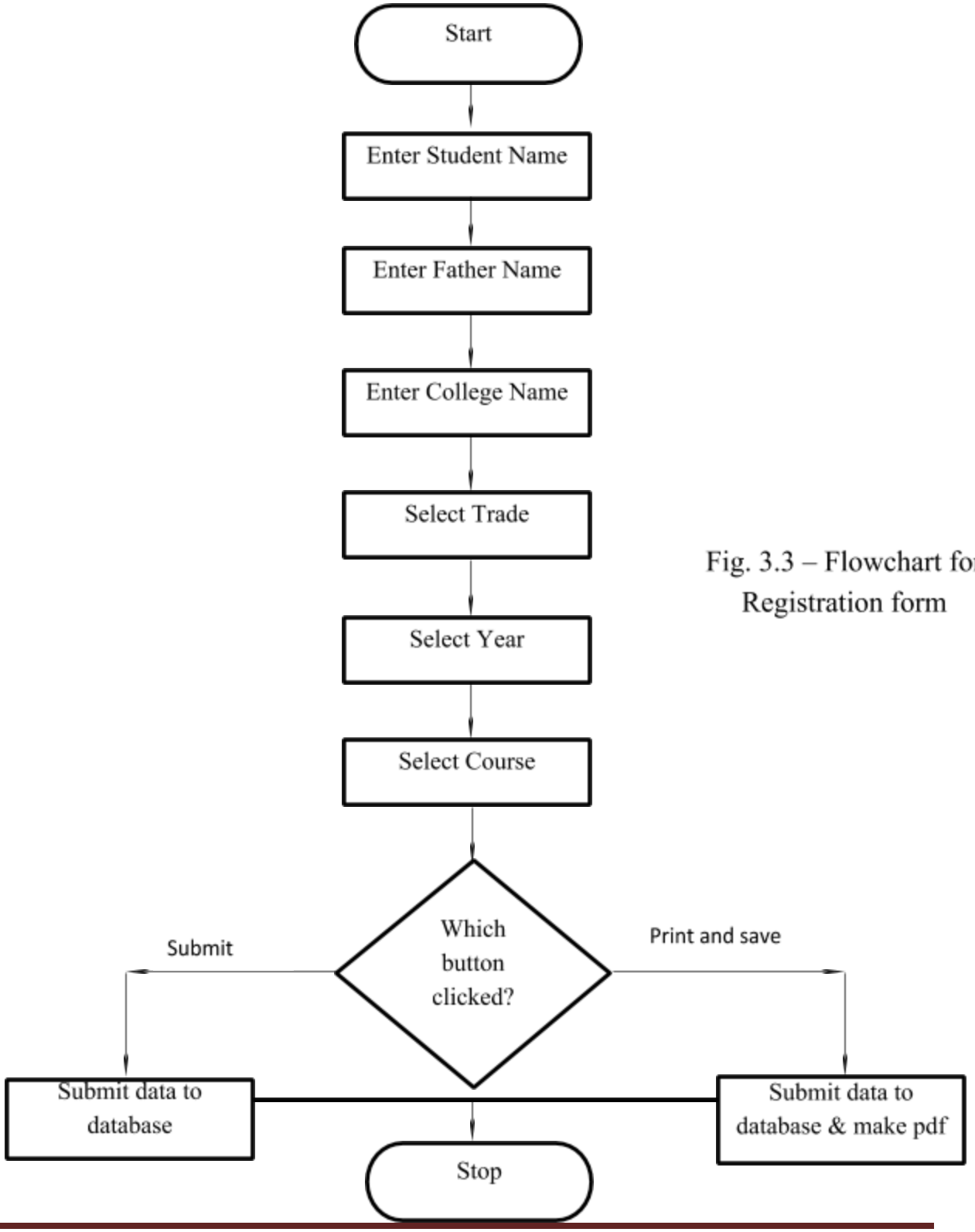

Fig. 3.3 – Flowchart for Registration form

3.4 Data Flow Diagram of System:

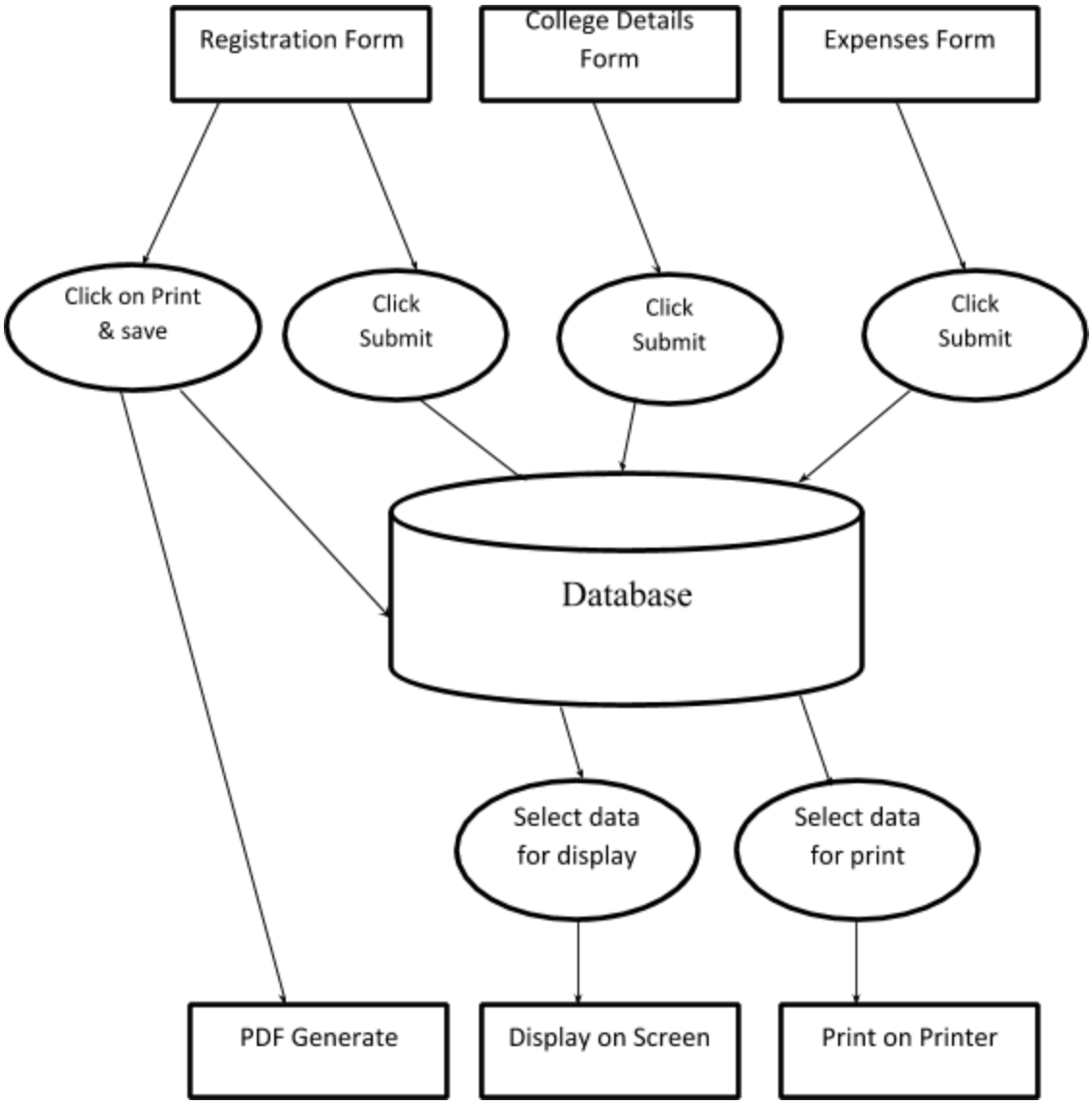

Fig. 3.4 – Data Flow Diagram

4. SYSTEM IMPLEMENTATION:

Input Module

- User Login - login module where every access to the project files and database is goes through the authentication.
- Master Data- The main purpose of this input module is entire central unclassified data and its methods gets classified and makes usable to the users
- Sub Menus- This module contains the sub-menus like birthday flasher and extra relative menus to Master data

Process & Output Module

- Database is direct store and effectively relational where data of user get processed through java methods and gives output in smooth UI based windows.
- Data updating and validation also done through the java methods and stores in SQLite database
- Project is also compatible for producing external format documents for receipt and notice purpose

5. HARDWARE AND SOFTWARE REQUIREMENTS

The minimum requirements for our project are:

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

6. APPLICATION:

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

7. 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.

8. CONCLUSION:

By developing this software we are simplifying the work of the sponsored institution and self-intelligent system will produce fast output in smooth User Interface.

We also learnt the new technology like:

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

9. BIBLIOGRAPHY AND 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

10. SCREENSHOTS AND SIMPLE WORKING:

Login Frame:

Fig. 10.1- Login Form

This page is use to login to software.

Main Window:

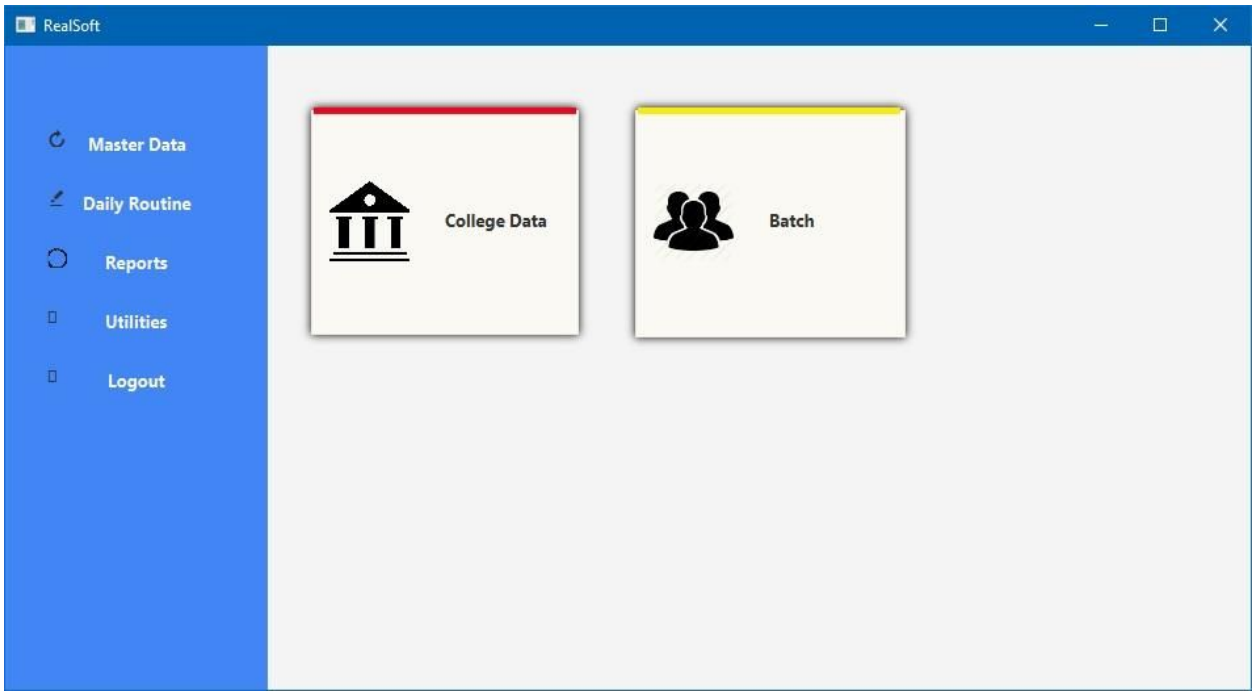

Fig. 10.2 – Main Window

- When user login to system this is first window. It contains 5 menus.
- Master data contains main data for software.
- Daily routine maintain the daily working option.
- Reports contain all reports related to batch.
- Utilities contain the other option like expenses and backup-restore option.
- Logout is used for quit the software.

College data:

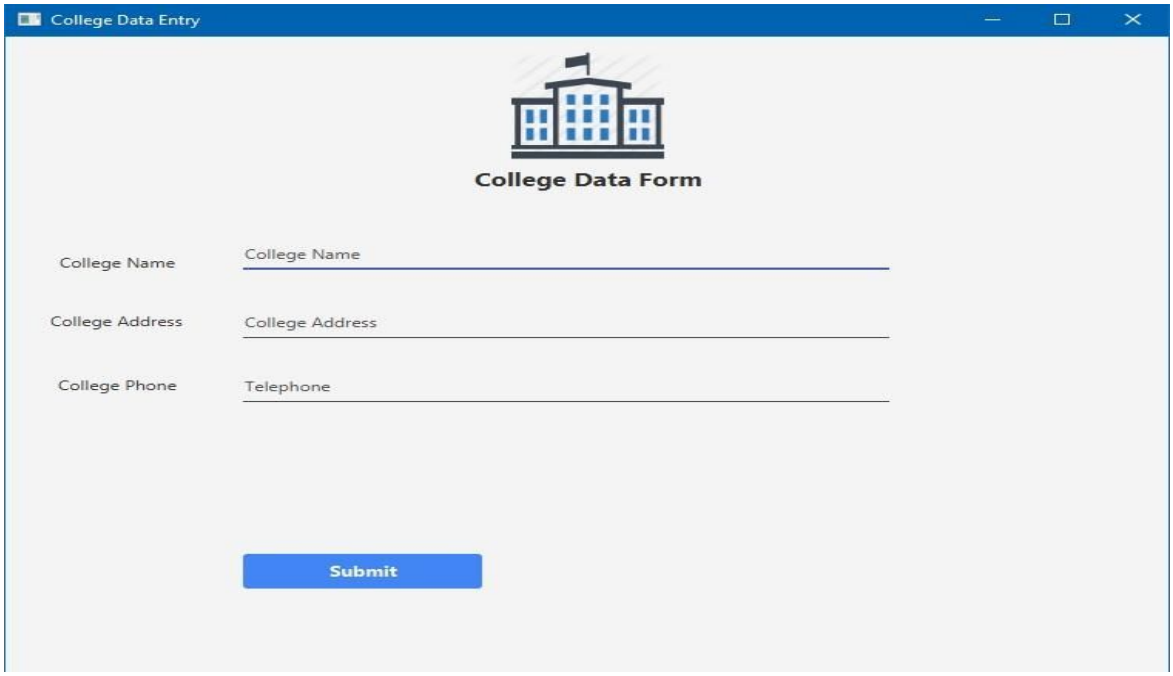

Fig. 10.3 - College Data Form

- It contains the data related college related with student.
- It use when the report get generated.

Batch Data:

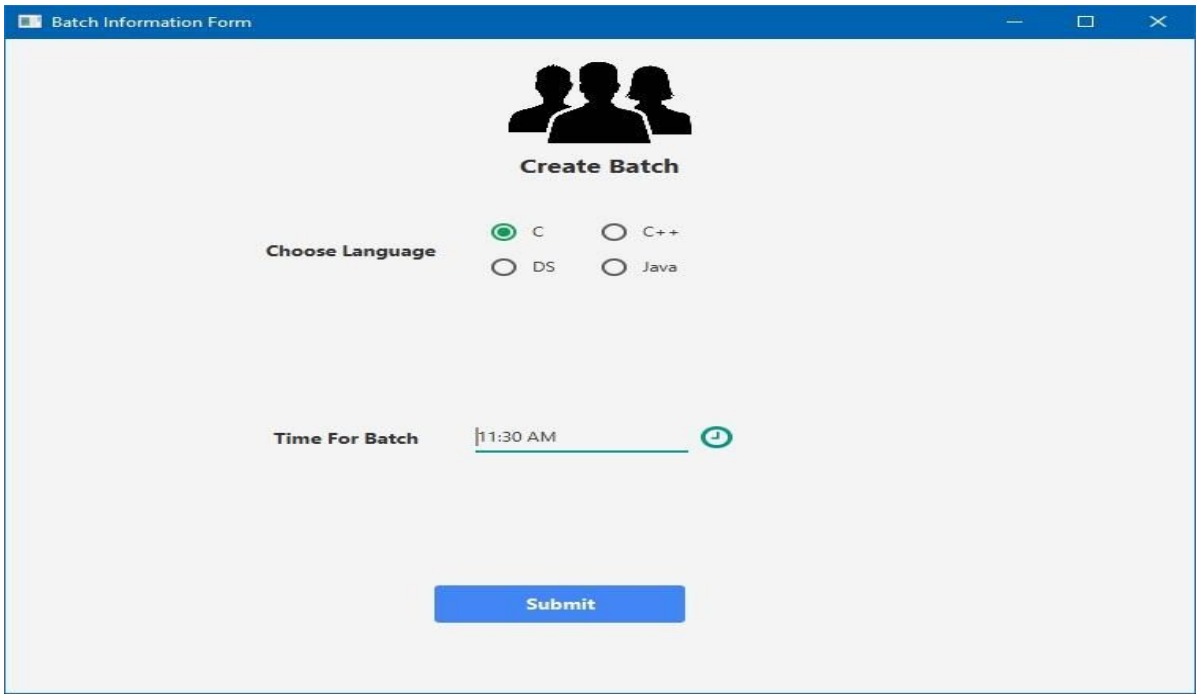

Fig. 10.4 - Batch Data Form

- It contains data related the batch.
- It help for the assign batch to student.

Daily Routine:

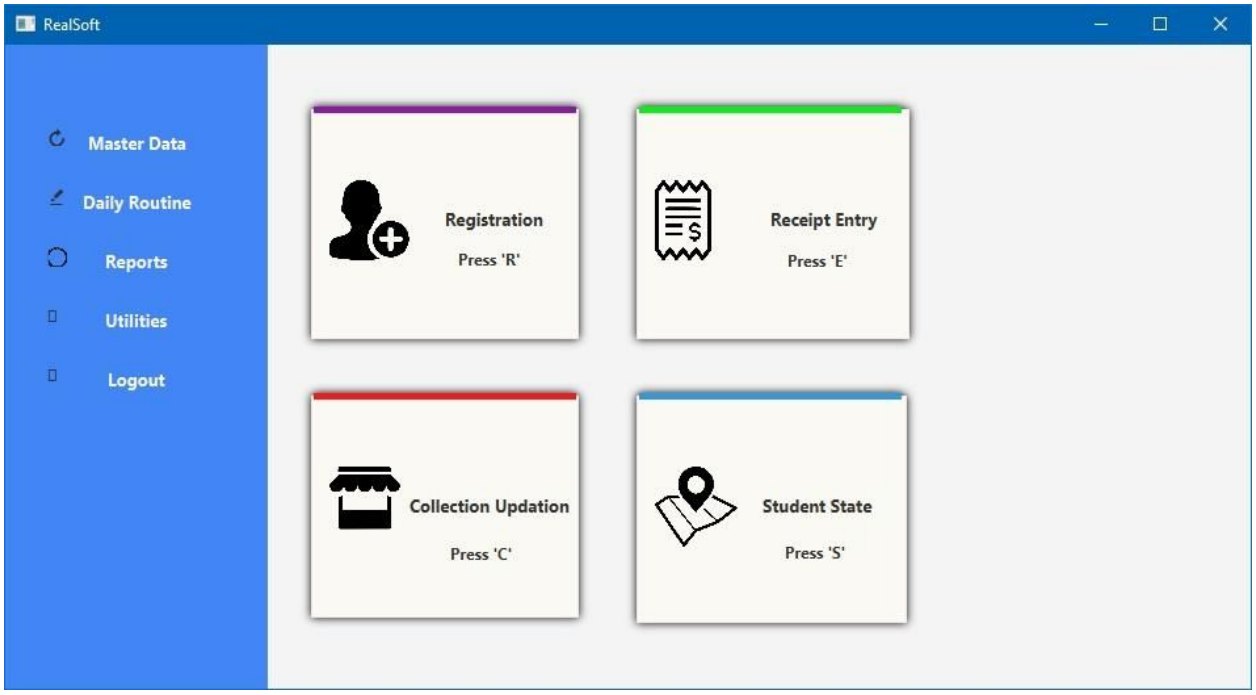

Fig. 10.5 – Daily Routine Form

- Daily Routine contains the various options.
- Registration contains registration form, Receipt entry and collection updation use for the fees related operation of particular student, Student status is indicate status of student.

Registration Form:

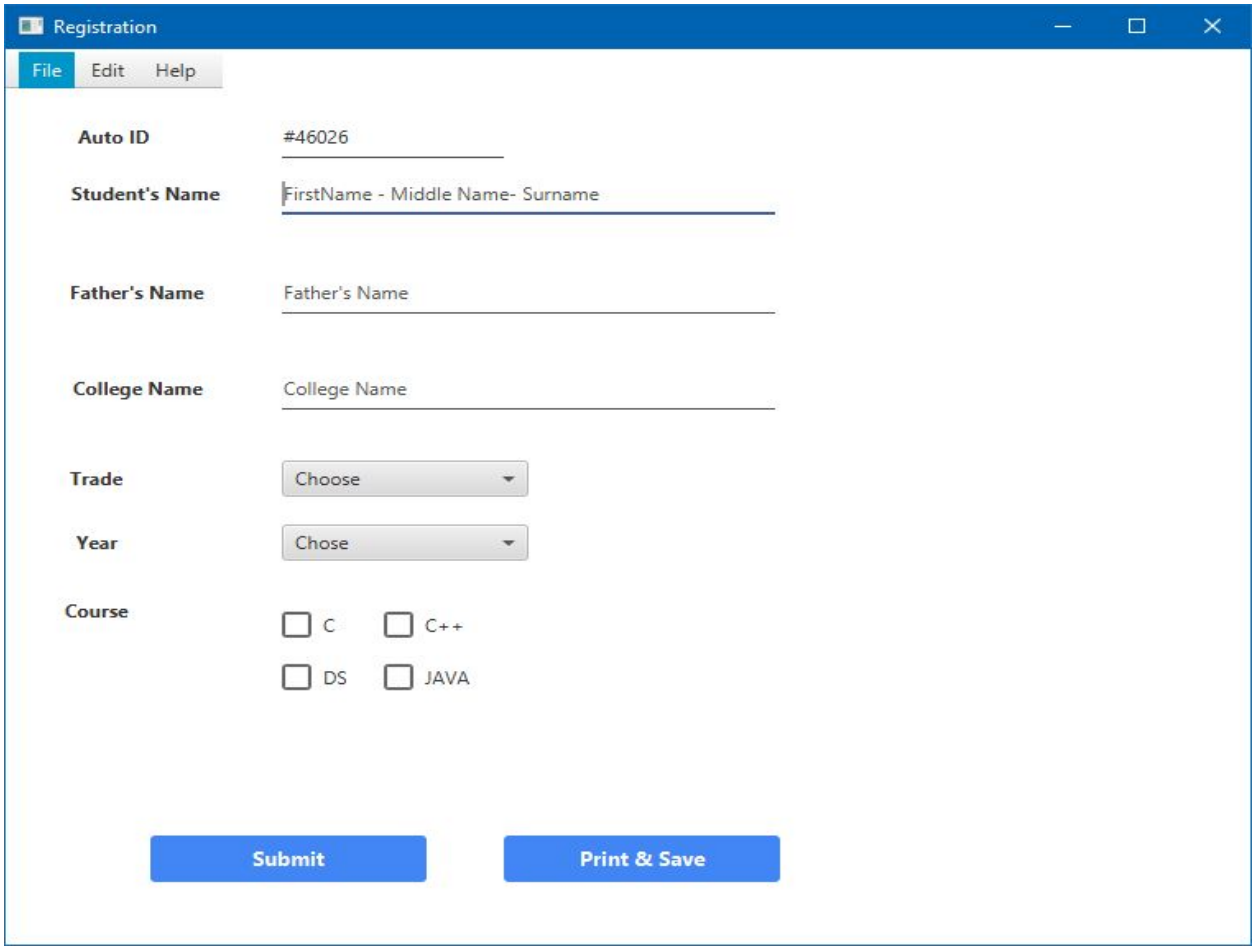

Fig. 10.6 – Registration Form

- It use for the registration of student in software.
- It has multiple fields related to student information like name, father's name, college name, trade, year, and courses.
- When all record get field and press submit button the only on emessage get displayed and data get submitted to database.
- When press print and save button then it save record to database and make pdf file for that record.

Fee Receipt form:

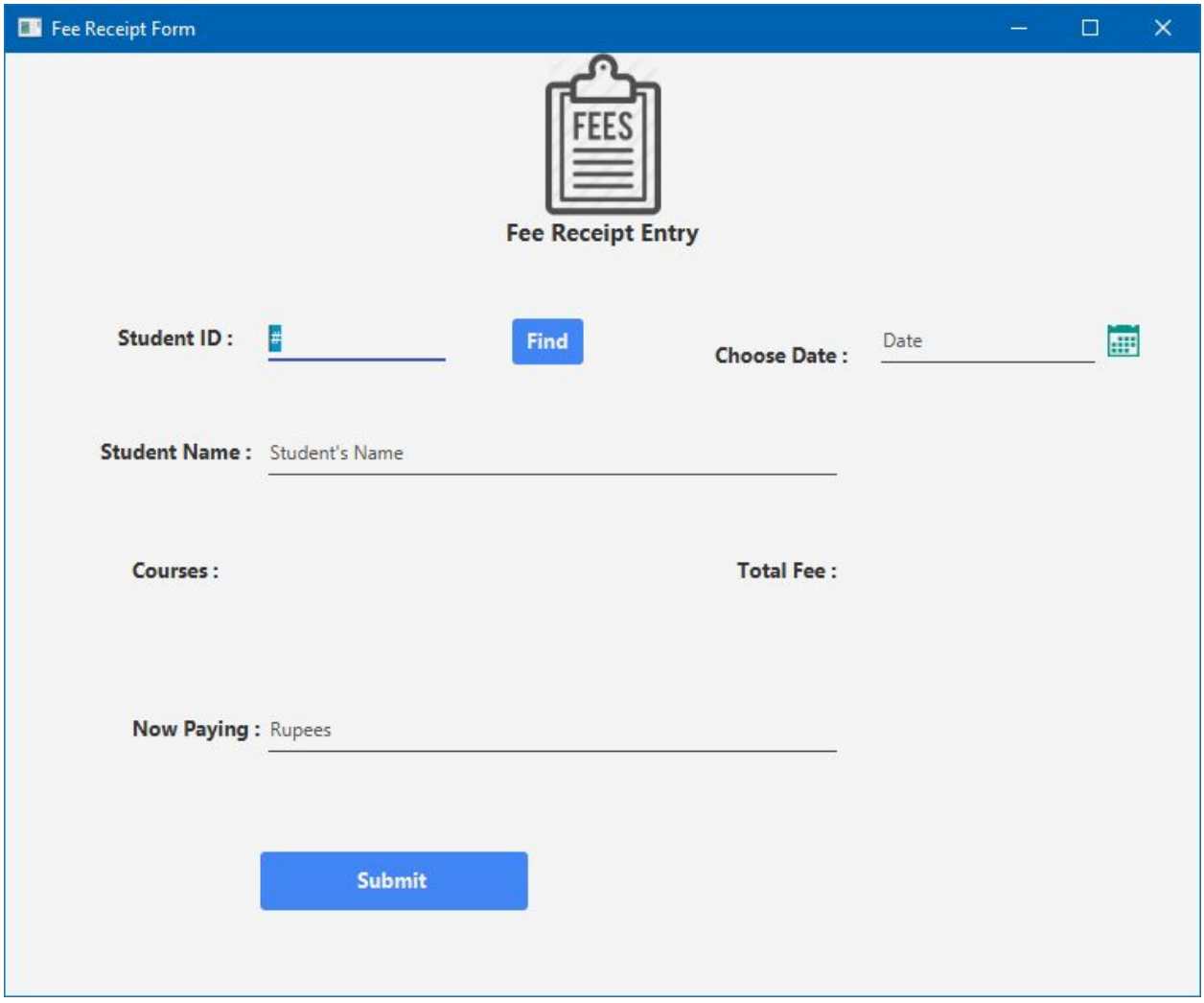

Fig. 10.7 – Fee Receipt Form

- This form issued for submit the data related to student fees filling in database.
- The student id is unique so we can easily find student and according to date user can add the fee details of that student.

Reports Page:

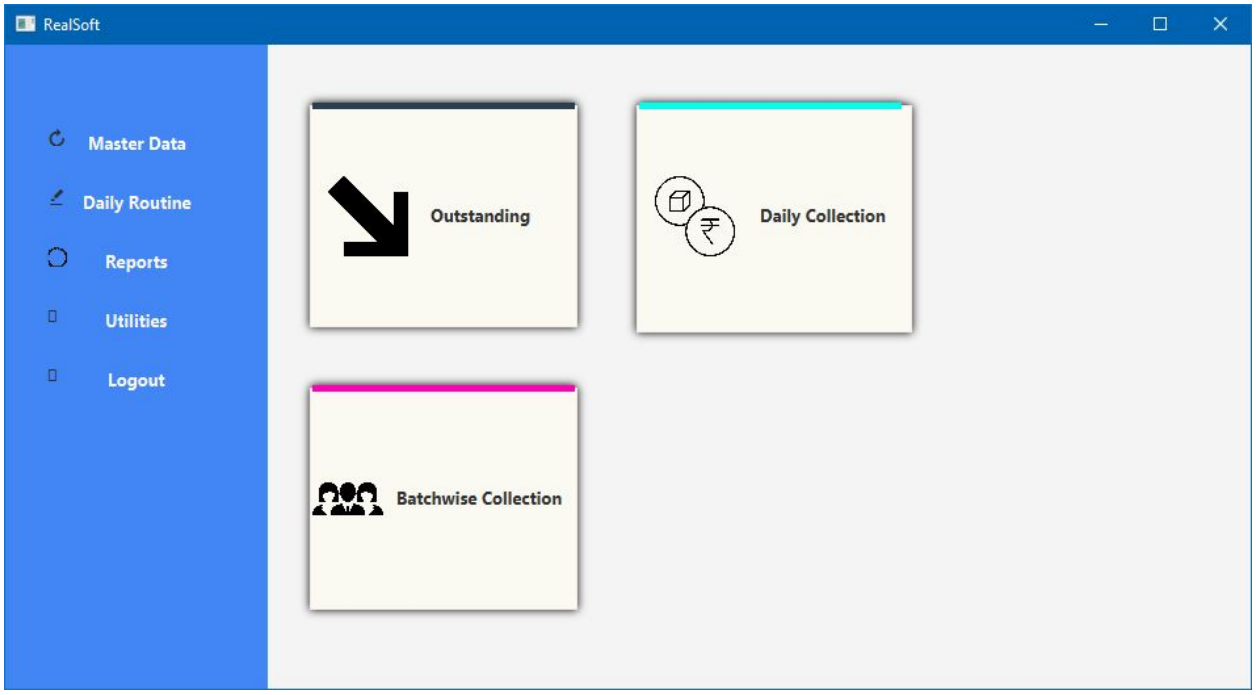

Fig. 10.8 – Reports Page Form

- It used to generate reports like batch information display, print record of batch.
- Outstanding display the all data related all batches, daily collection display the daily fees collection of particular date, Batchwise Collection display collection of particular batch.

Utilities:

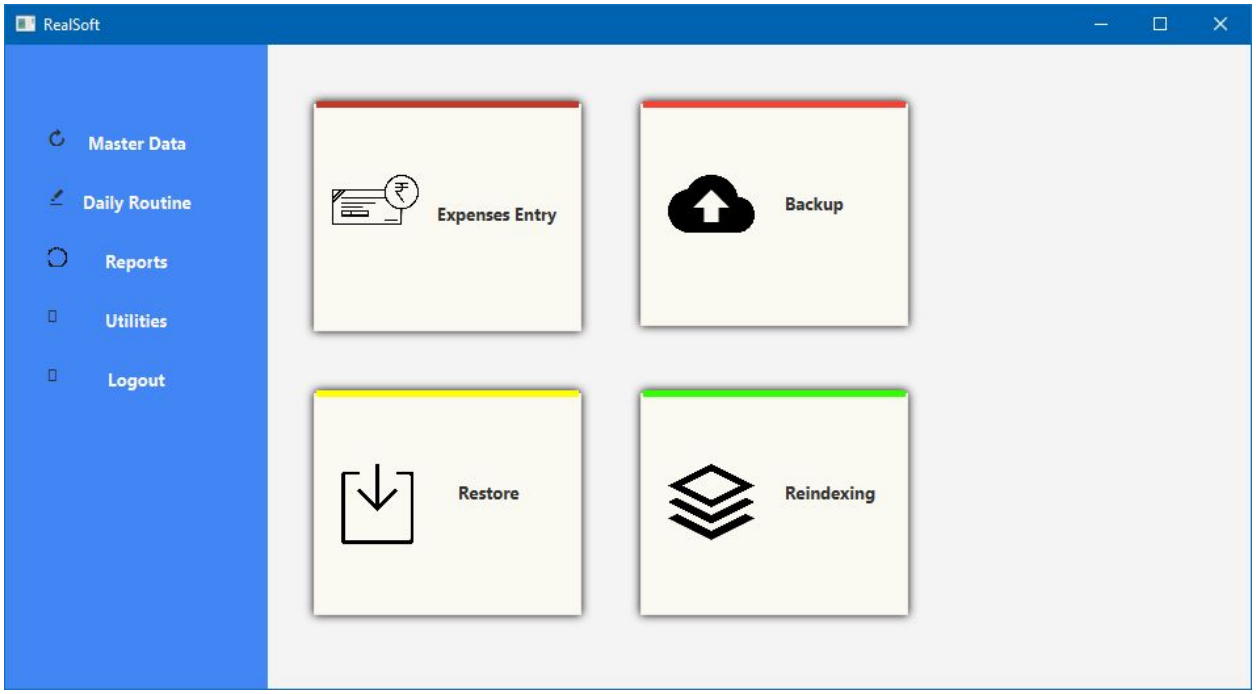

Fig. 10.9 – Utilities Form

- Utilities use for extra activity related to software and institute.
- Expenses entry use for enter daily expenses in software.