



# Student Payment System

## DOCUMENTATION

Sandaru Muthuwadige | 12 Tech B | Software Development

## Project Starting Date

2018 – 06 – 07

## Project Ending Date

2018 – 06 - 20

## Project Overview

By using this application you will be able to following things,

- ✓ Register new admins.
- ✓ Login with a username and password.
- ✓ Log Out from the system.
- ✓ Add new students to system.
- ✓ View student data.
- ✓ Update existing student data.
- ✓ Delete student data.
- ✓ Add new payments.
- ✓ View payment details
- ✓ Check payment status of students.
- ✓ Search for students with their admission number.

## What else?

In addition to above features,

- ✓ This application has a built in calculator.
- ✓ This application automatically updates the student payment status.
- ✓ User friendly GUI.

## What technology?

When talk about the technology that use, First I planned the system according to SDLC and I used waterfall method. I used Java as the main programming language and MySQL in backend as the database. In addition I use Netbeans IDE to develop this application and Wamp Server to create a localserver.

## Assumptions

When I going through the developing process I assume the following things,

- Once a payment is confirmed there is no refund or cancellation.
- All the students will have a unique admission number.
- Reciept number will generate automatically.

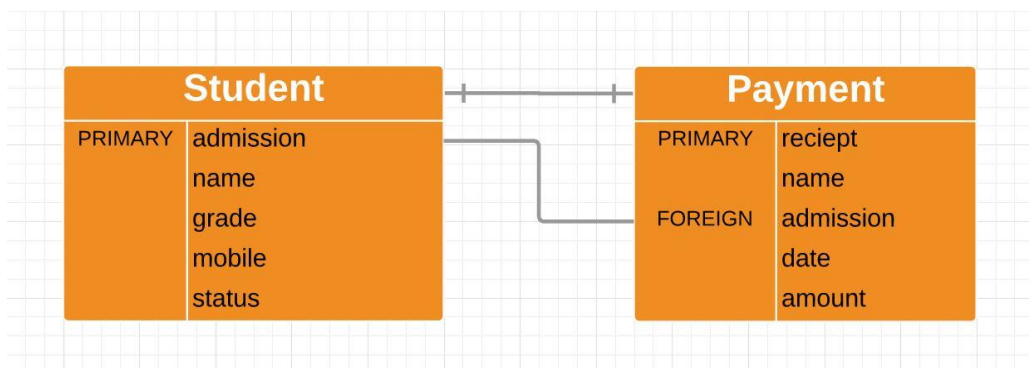
## Installation

You need to setup some things before usng this application. Please refer the README file for more information. (To run this application perfectly you have to install this correctly)

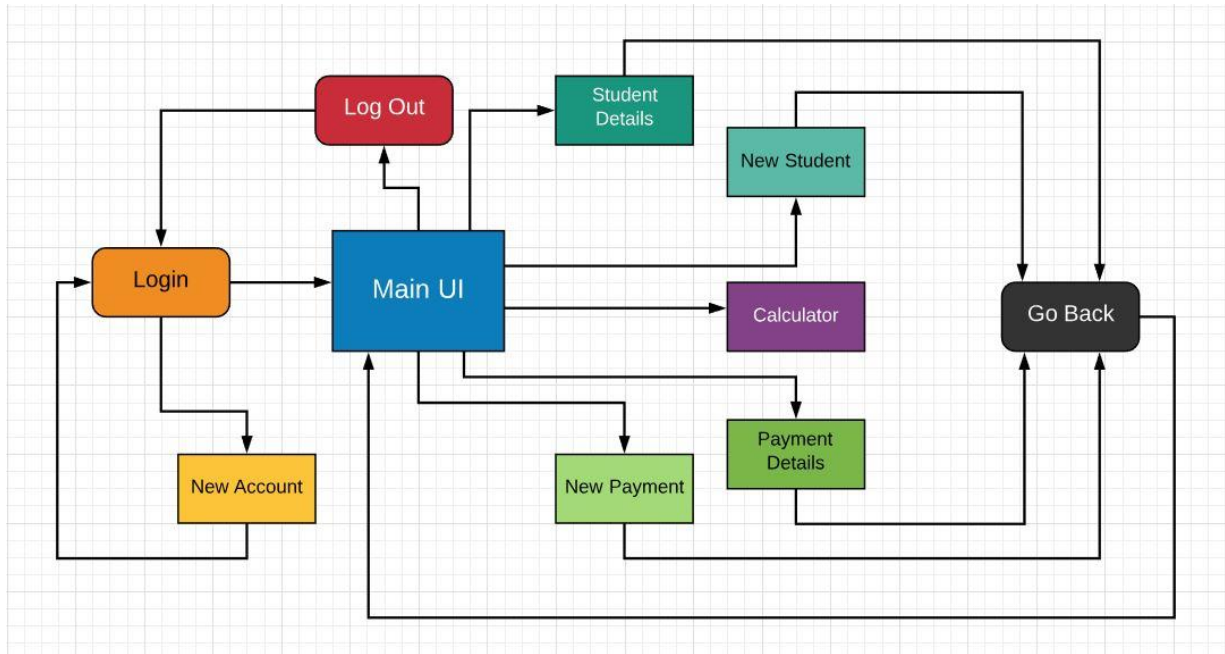
## How to use?

Once the installation is done you can start using this application without any programing knowledge. Using this application is really easy with the help of user friendly interface. All buttons have a name and a icon for easy understanding.

## Entity Relationship Diagram (ERD)

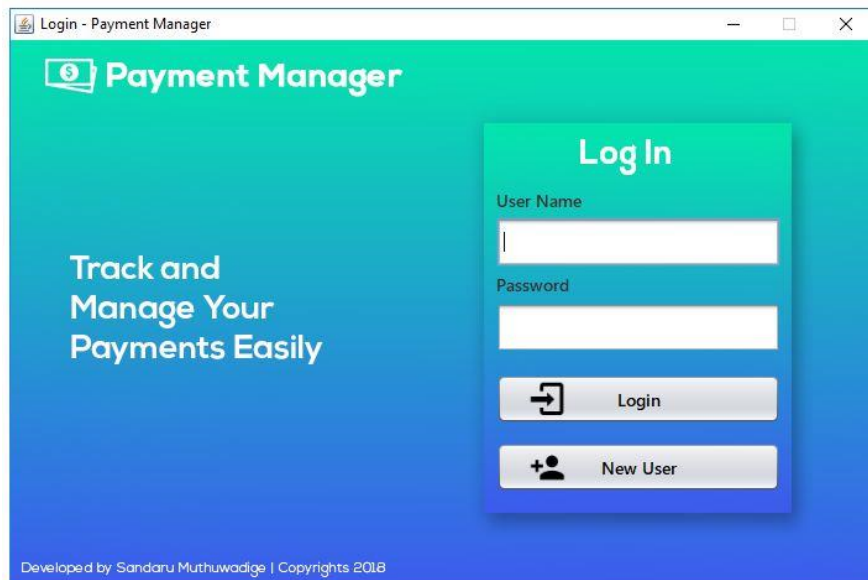


## Data Flow Diagram

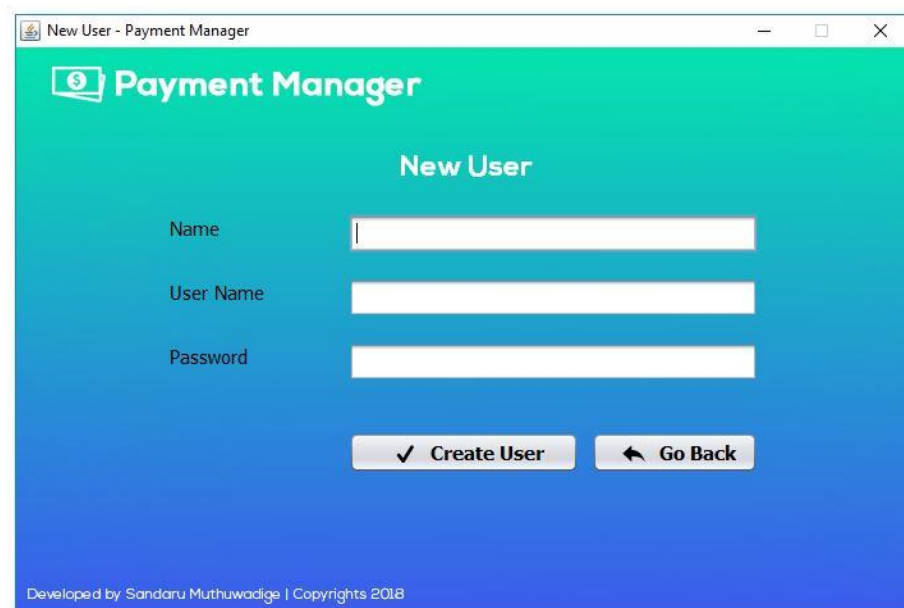


## UI Screenshots

- Login

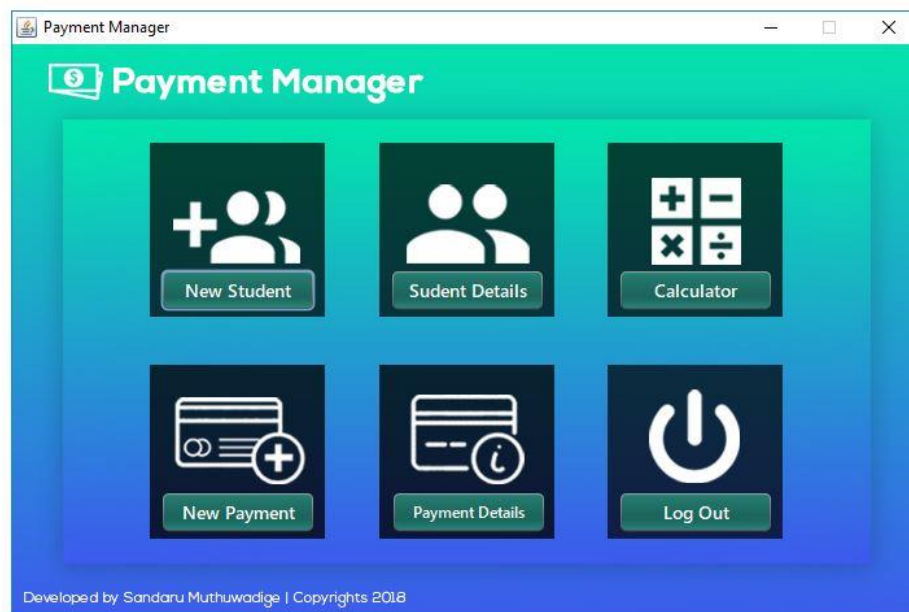


- New User



The screenshot shows a web application window titled "New User - Payment Manager". The header features a green bar with a white icon of a dollar sign and the text "Payment Manager". Below the header, the title "New User" is centered. The form contains three input fields: "Name", "User Name", and "Password". At the bottom, there are two buttons: "✓ Create User" and "← Go Back". The footer text reads "Developed by Sandaru Muthuwadige | Copyrights 2018".

- Main UI



- New Student

New Student - Payment Manager

## Payment Manager

### Add New Student

Admission No

Name

Grade

Mobile No

Developed by Sandaru Muthuwadige | Copyrights 2018

- Student Details

Student Details - Payment Manager

## Payment Manager

### Student Details

Admission No	Name	Grade	Mobile Number	Payment Status
1	Sandaru Fernando	12 Tech B	767693135	Paid
3	Hiruna Herath	12	7723	Paid
4	Thanuga	10	77233	Paid
5	Sam Fdo	13	708987	Paid
6	Costa	1	22	Not Paid
7	Silva	2	12	Not Paid
8	Kasun	5	564	Paid
9	Tharindu	4	8762	Not Paid
10	Saman	6	426	Not Paid
11	Chamara	7	45	Not Paid
12	Kavishka	8	45434	Paid
13	...	...	...	...

Developed by Sandaru Muthuwadige | Copyrights 2018

- New Payment

New Payment - Payment Manager

**Payment Manager**

**New Payment**

Name

Admission No

Date

Amount

✓ Confirm Payment    ↩ Go Back

Developed by Sandaru Muthuwadige | Copyrights 2018

- Payment Details

Payment Details - Payment Manager

**Payment Manager**

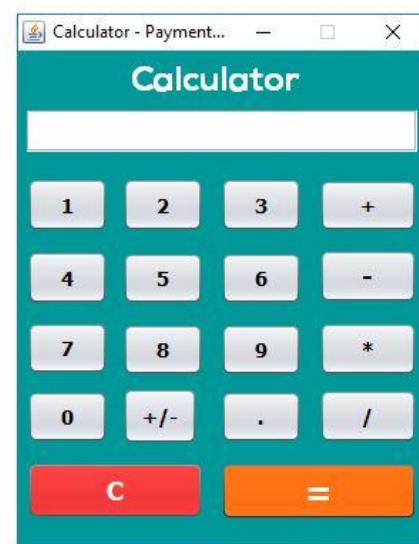
**Payment Details**

Receipt No	Name	Admission No	Date	Amount
39	Sandaru	1	2018-06-13	1000
40	Tharaka	4	2018-06-13	800
41	Hiruna	3	2001-10-10	300
42	SAm	5	2001-10-10	500
43	Sa	8	2018-06-15	500
44	Kavishka	12	2018-06-16	1000
45	Prasanna	16	2018-10-10	1500

↩ Go Back

Developed by Sandaru Muthuwadige | Copyrights 2018

- Calculator



## Contact Details

- Mobile : **076 769 31 35**
- Home : **011 225 54 45**
- Email : **[sandarumuthuwadige@gmail.com](mailto:sandarumuthuwadige@gmail.com)**