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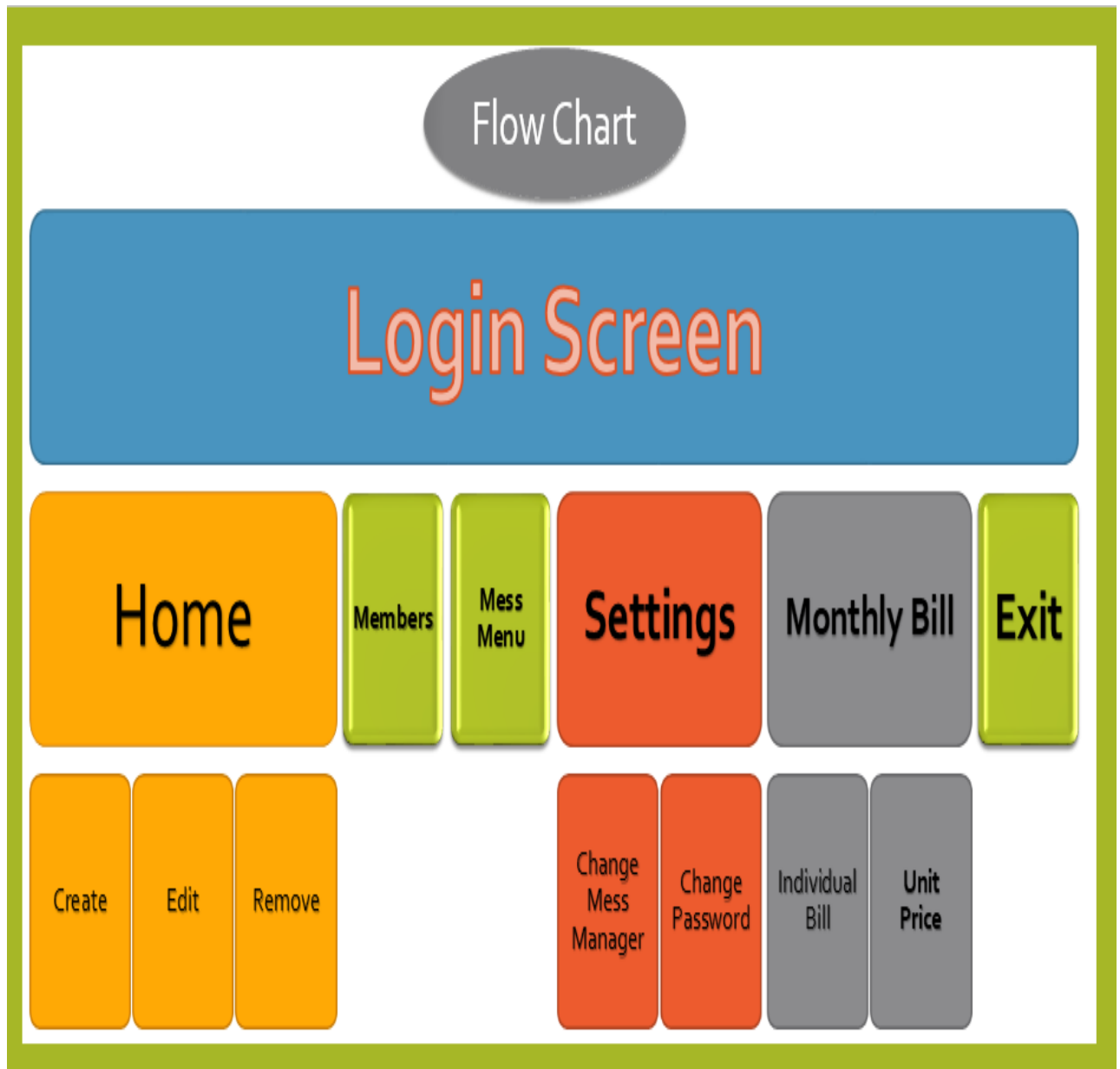
# Summary

We have a lot of inconvenience in maintaining paper based records and handling calculations in hostel mess of colleges and universities. Records and Calculations are headache and less secure. This Project is made to keep records and do calculations of mess in hostel. Records are kept more securely than paper based records. Records are easily maintained and modified. Search of any specific record is very easy. This project is very easy to operate.

## Program Requirements

- ✓ IDE; NetBeans IDE 8.2, Eclipse Java Oxygen etc
- ✓ Operating System; Windows xp, 7, 8 or 10
- ✓ RAM; Minimum 512 MB
- ✓ Processor; Dual core to Core i7
- ✓ Storage usage; Maximum 25 MB

# Flow Chart



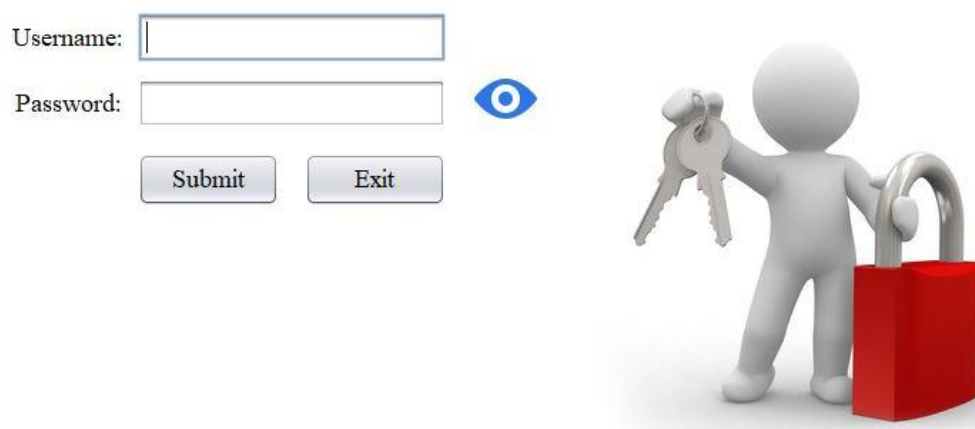
# Introduction/Explanation

This project is coded in Java with GUI. Database is used using MS Access in order to store data. Each screen contain a separate class declared in same package. All the classes all connected with each other. When one class is invoked the other is exited. Java Swing is used to create this window based Application.

## Classes/Screens

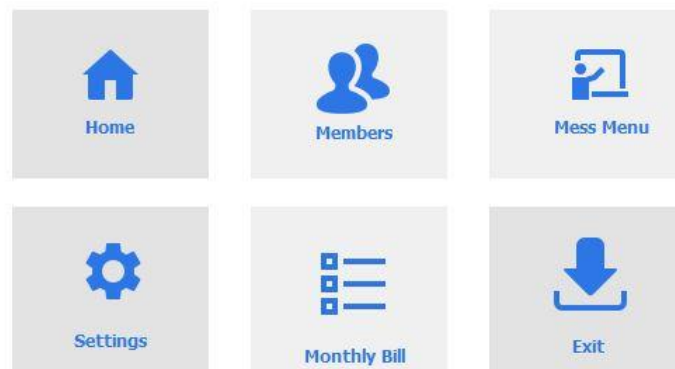
### Login

At the start of program this login screen is appeared. This provides security to program that only specific person can access it having username and password. This login is controlled via Database used in project. Username and password is checked, if exist the screen is opened otherwise not.




## Main Menu

After the successful login, a window is appeared named Main menu. This screen provides six options to user. Named Home, Members, Mess Menu, Settings, Monthly Bill and Exit. User can chose any option from them. As soon as user presses the mouse over any button the new screen is invoked.



## Home

When user presses Home, a new screen is invoked interfacing to create a new account in mess, to edit an existing account or removing the account. This a simple an easy form like window.



# Home

Name	CMS ID	Department	Semester

Student Name

CMS ID

Department

Computer Science ▼

Semester

Add Student

Edit Data

Remove Student

Back

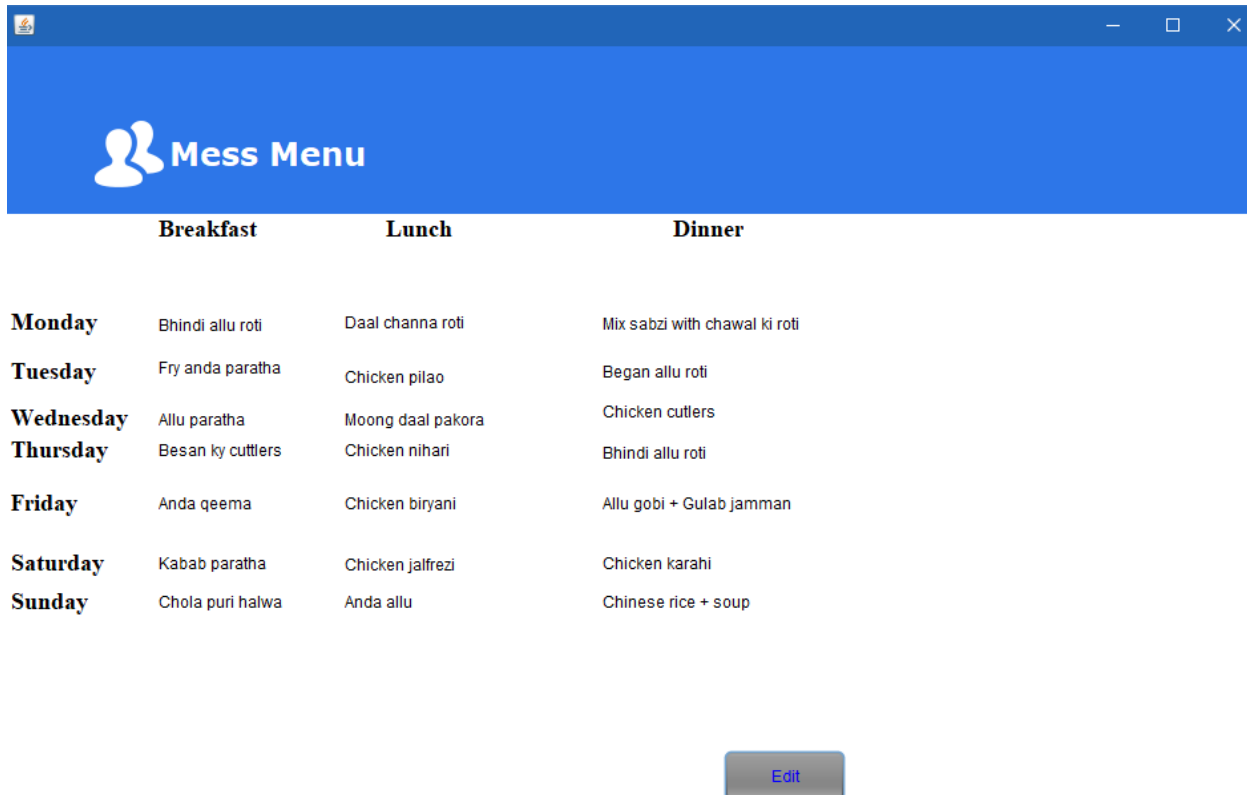
## Members

The second option in main menu is Members. When user pressed mouse over it a new window is appeared which shows all the existing mess members and their records. This method calls all the records stored in this software.

[illegible]

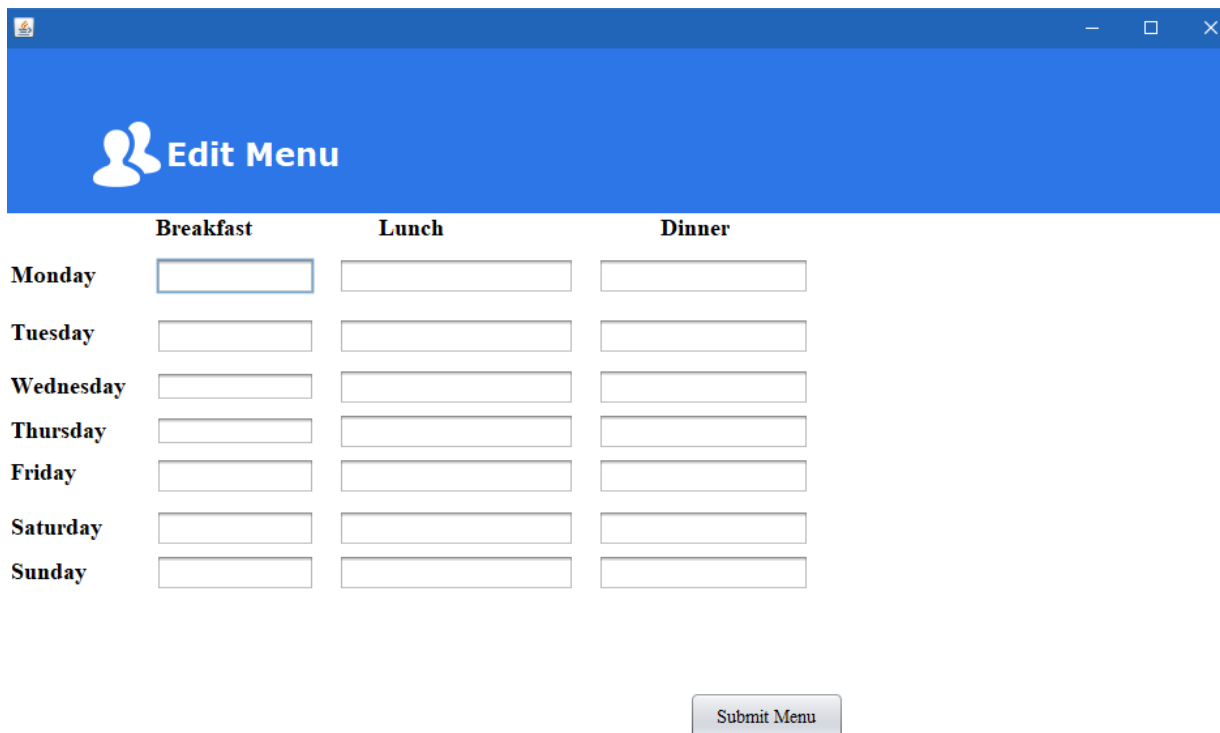
# Mess Menu

When user presses this button, a window is appeared showing mess menu. User is also provided facility to edit it as per his/her wish.



	Breakfast	Lunch	Dinner
<b>Monday</b>	Bhindi allu roti	Daal channa roti	Mix sabzi with chawal ki roti
<b>Tuesday</b>	Fry anda paratha	Chicken pilao	Began allu roti
<b>Wednesday</b>	Allu paratha	Moong daal pakora	Chicken cutlers
<b>Thursday</b>	Besan ky cuttlers	Chicken nihari	Bhindi allu roti
<b>Friday</b>	Anda qeema	Chicken biryani	Allu gobi + Gulab jamman
<b>Saturday</b>	Kabab paratha	Chicken jalfrezi	Chicken karahi
<b>Sunday</b>	Chola puri halwa	Anda allu	Chinese rice + soup

Edit



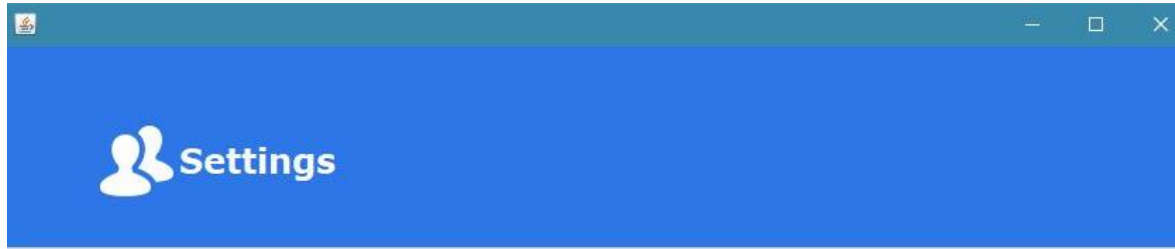
	Breakfast	Lunch	Dinner
<b>Monday</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Tuesday</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Wednesday</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Thursday</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Friday</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Saturday</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Sunday</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Submit Menu



## Settings

In this class two options are provided to user. Named Change Mess Manager and Change Password. User can opt any of two.



## Change Mess Manager

Calling upon this class, a window is appeared requiring new detail of new mess manager. In order to change the mess managership this facility is provided.



User Name:

Password:

Confirm Password:

Submit



## Change Password

Keeping in view security reason this window is designed for the change of password. Mess manager can change password easily. The new password is stored in database and previous one is removed.



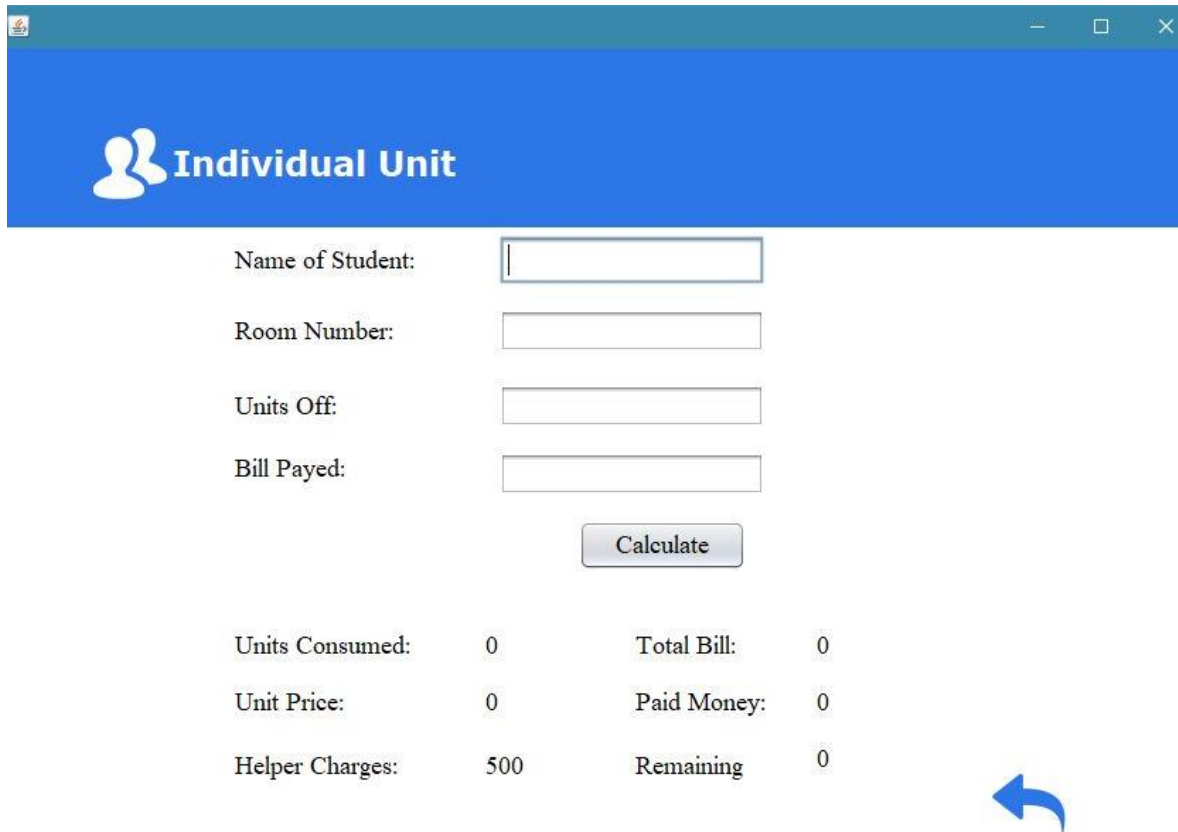
## Monthly Bills

Upon calling this window two more option are given. Named Calculate Individual Bill and Calculate Unit Price.



## Calculate Individual Bill

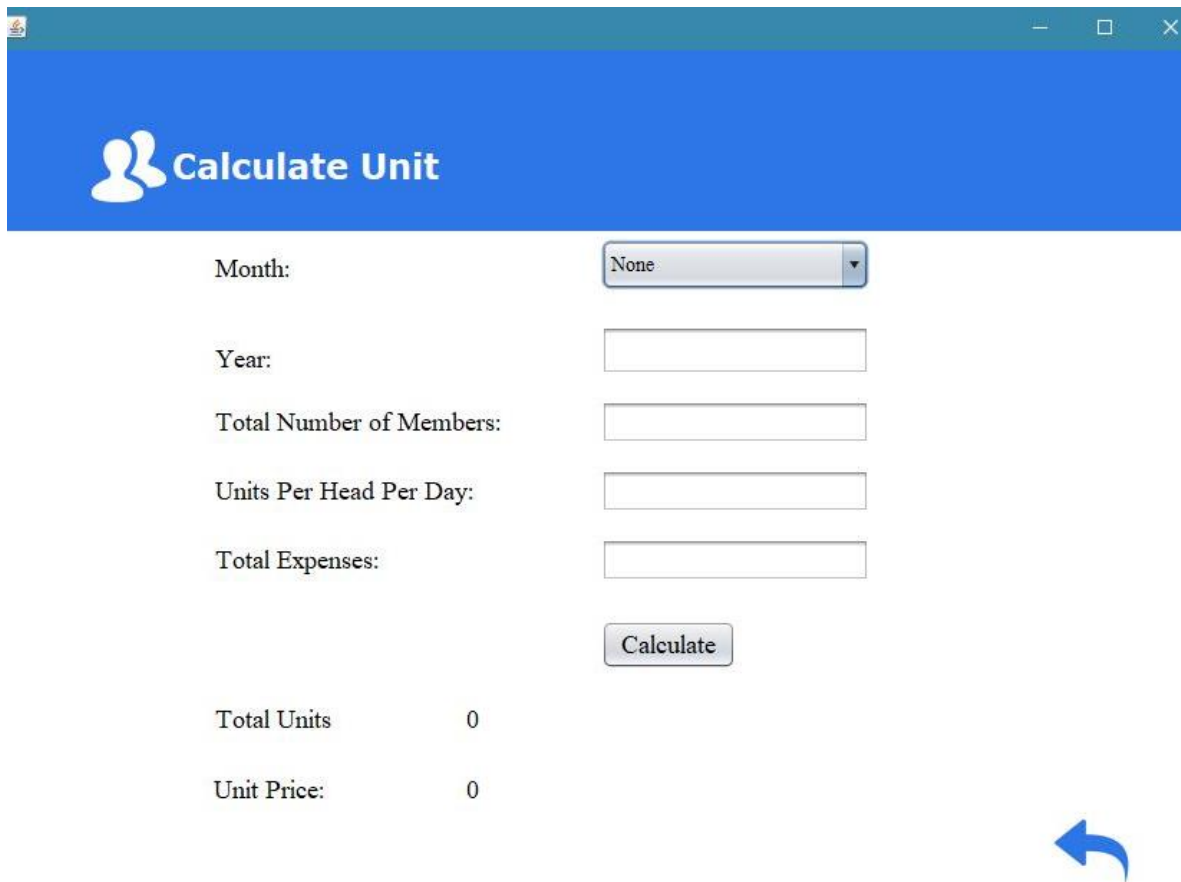
Mess Manager can easily calculate any individual's bill on calling this function. By entering details about individual and unit price the function calculates the bill of individual, show the units consumed and informs about remaining dues of individual.



Individual Unit			
Name of Student:	<input type="text"/>		
Room Number:	<input type="text"/>		
Units Off:	<input type="text"/>		
Bill Payed:	<input type="text"/>		
<input type="button" value="Calculate"/>			
Units Consumed:	0	Total Bill:	0
Unit Price:	0	Paid Money:	0
Helper Charges:	500	Remaining	0

## Unit Price

Unit price of any month can be calculated easily simply by putting that month's expenses and total consumed units. This unit price is stored in database and upon calling any individuals bill the unit price is automatically called in previous function.



## Back Button

At the bottom of every window a back button is designed. User can go back to previous window using this back button.



## Exit Button

In main Menu an exit button is also designed to exit this program safely.

