



Group Assignments - Introduction

ACADEMIC YEAR 2020

Semester 3

Lecturers:

Mrs.Sulari

Mym.SHARAF	21005356
R M A K Damayanthi	21005356
Naveen N. Wickramarachchi	21004681
M R A Rilah	21007595

Team Members

National School of Business Management
CS 107.3 – Object Oriented Programming with C# Group
Assignment

Number of members: 05 members per group

Submission deadline: 26th July 2020 (*Late submissions are not accepted*)

Assignment deliverables: Report (26th July 2020) (*one report per group*)

Group Presentation (Starts from 26th July 2020)

Mode of submission: Submit the report to program office and upload to LMS Assignment

weight: 40 marks

Assignment scenario:

Develop a software for a manual system using .Net framework (C#)

This assignment should include the CRUD operation (Create, Update & Delete).

Software should connect to a SQL database and data should be update, retrieve, delete and create by using the application.

Minimum 5 user interfaces should be created.

NOTE

You are allowed to use any .NET related frameworks, designing tools and APIs if needed.

Content of the report:

- Introduction to the selected scenario.
- ER diagram, Class diagram, Use case diagram.
- Samples of the developed system (Screenshots with small explanation).
- Workload matrix of group members.
- Copy developed system to CD (Including database) and attached to the report.

Evaluation criteria:

01. Final report (30%)

02. Final Presentation (70%):

- Accuracy of the developed system
- Use of OOP concepts

Introduction

For FRNDZ Association Software is created to digitalize their database for safety reasons. This system is developed to manage day-to-day activities of any cooperative housing society. Generally, in society all the work is manually. As all work is done on paper so it is very difficult to manage and keep track of all the work expenses in the society. This society management system will computerize all day to day operation in the society. There is no automated system for doing all the things that generally happen in society, so that members can come to know what is happening in society. This system is also raise invoices against all flats or select flats based on area or based on a fixed amount. Members can view their maintenance bill whenever an invoice is raised against their flat. This system of maintaining a society is made in such a way, so that the most common problem faced in residential societies are solved. Admin can also keep track of expenses using this system and reports which include provider bill.

Work Load

Login form- Naveen N. Wickramarachchi

Splash form - Naveen N. Wickramarachchi

Main home page - Mym. Sharaf, M R A Rilah

Members personal information page - Mym. Sharaf

Report page - Naveen N. Wickramarachchi, R M A K Damayanthi

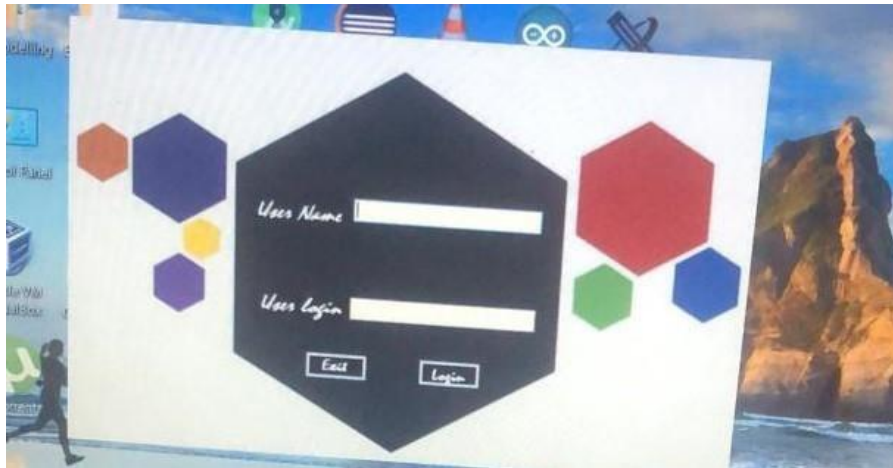
Account page - Naveen N. Wickramarachchi, R M A K Damayanthi

Gallery page – M R A Rilah

Help page - R M A K Damayanthi

Samples of the developed system

This is the login page for the application



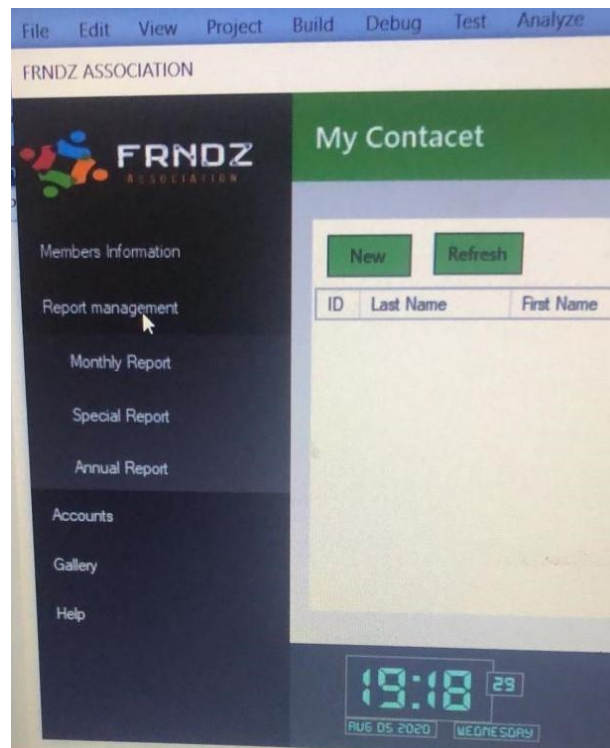
This is the home interface for the software. It has 3 sections, the available options on left side, the digital clock at bottom and the logo at middle which connects our children page.



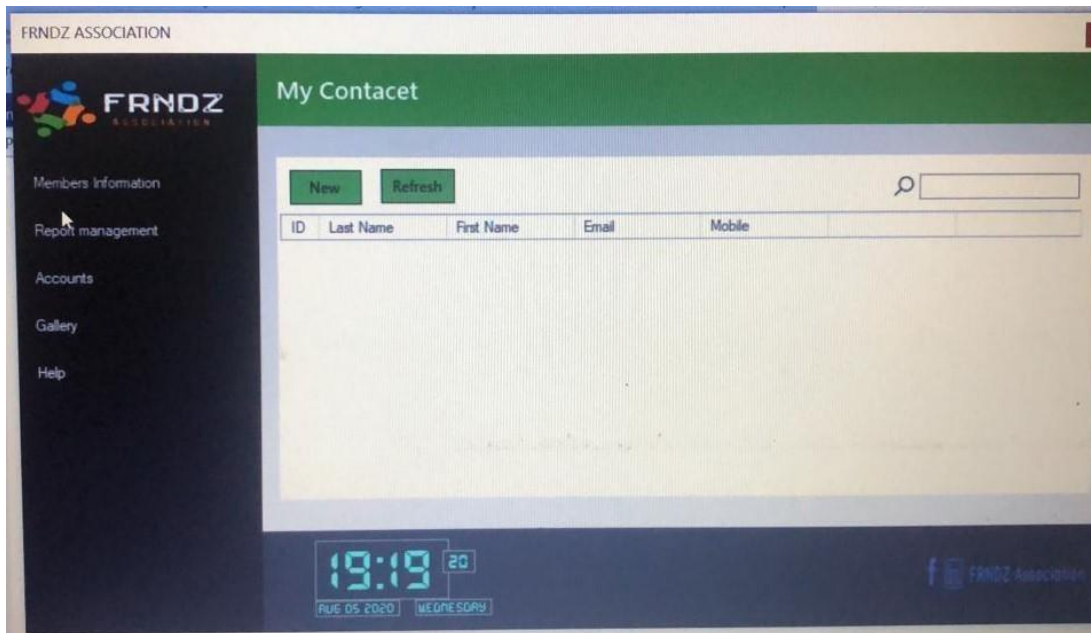
Under Member Information we have MPID-Member Personal Information Data and MABD-Member Account Balance Data.



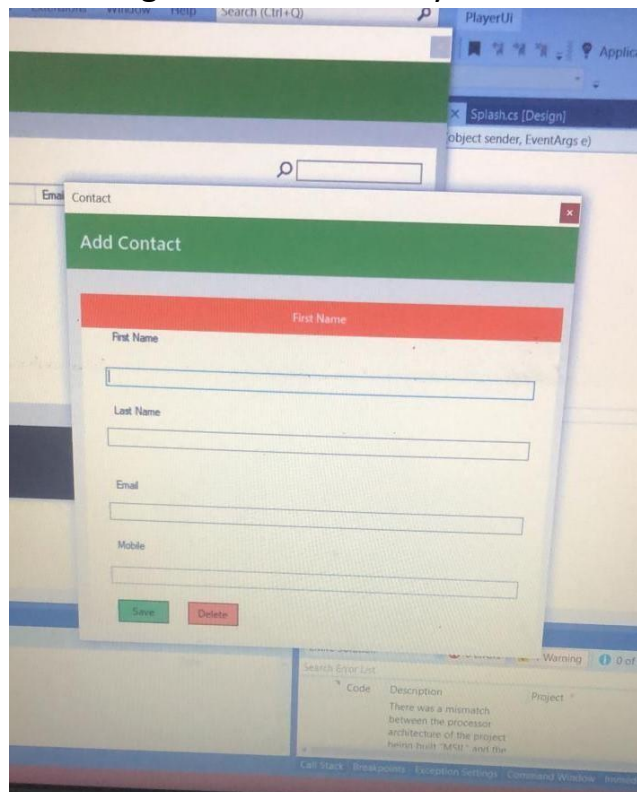
Under Report management we have Monthly Report, Special Report and Annual Report



We have used twosharp and connected using mySQL. We can create new records by clicking on 'New', clicking on refresh shows the old data and when searching it shows the available database



This is the form where we fill the form and clicking on Save gives us successfully saved and clicking on delete gives us successfully delete.



This is the form for Monthly report options of New, Save, Read and Delete.

FRNDZ ASSOCIATION

Members Information
Report management
Accounts
Gallery
Help

Monthly Report

Title

Message

19:22
AUG 05 2020 WEDNESDAY

This is the form where we add ID, Name, Amount Date, and Detail for the record. After giving these details we can insert, update existing records delete existing records reset all records and close the database

FRNDZ ASSOCIATION

ID

NAME

AMMOUNT

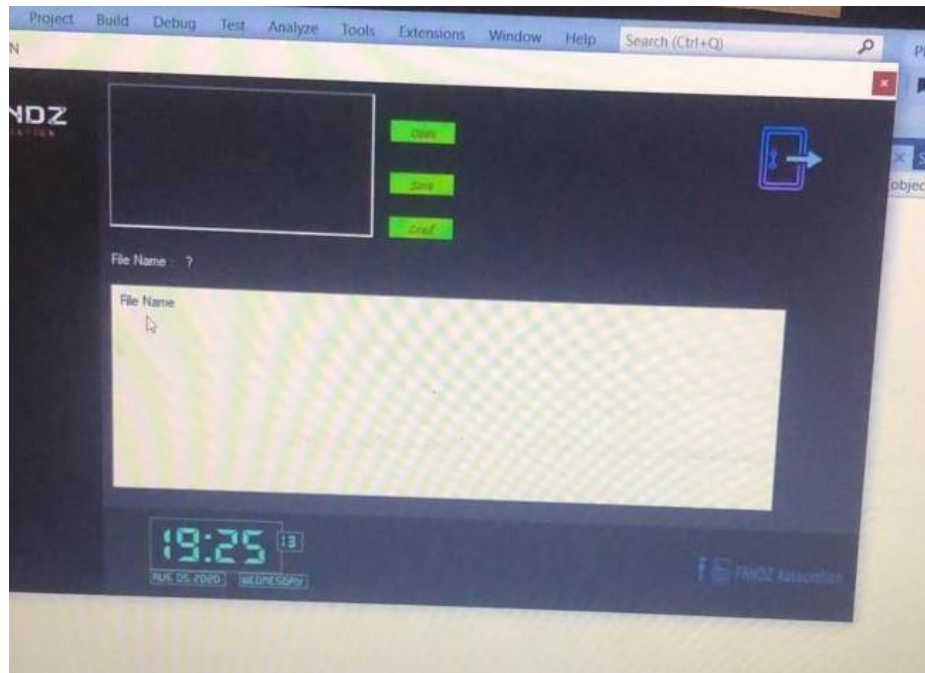
DATE Wednesday, August 5, 2020

Insert Update Delete Reset Close

ID	SID	NAME	EMAIL	DETAIL	DATE
1	sharaf	sharaf	rajasee	the most	7/7/2020
3	the	sharafkan	Kayal	life	7/23/2020

19:24
AUG 05 2020 WEDNESDAY

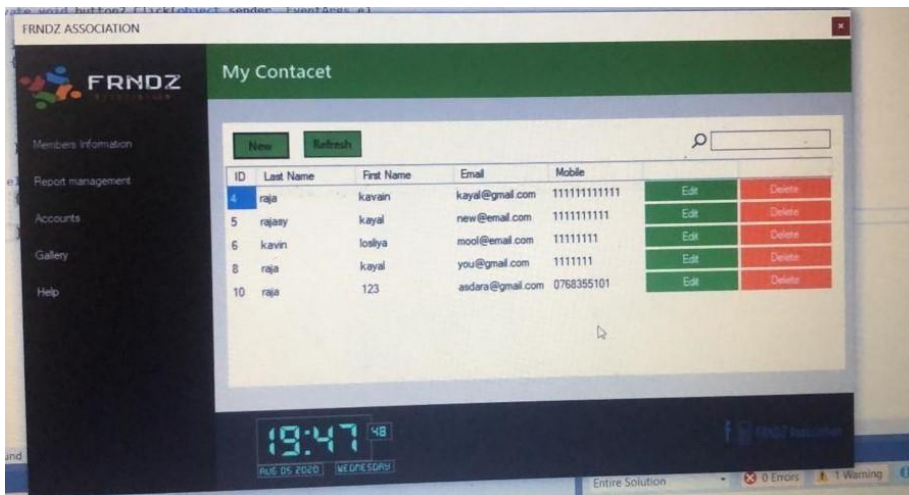
Here we have 4 option -Open where we open file and save images, Load – to retrieve existing data and close icon



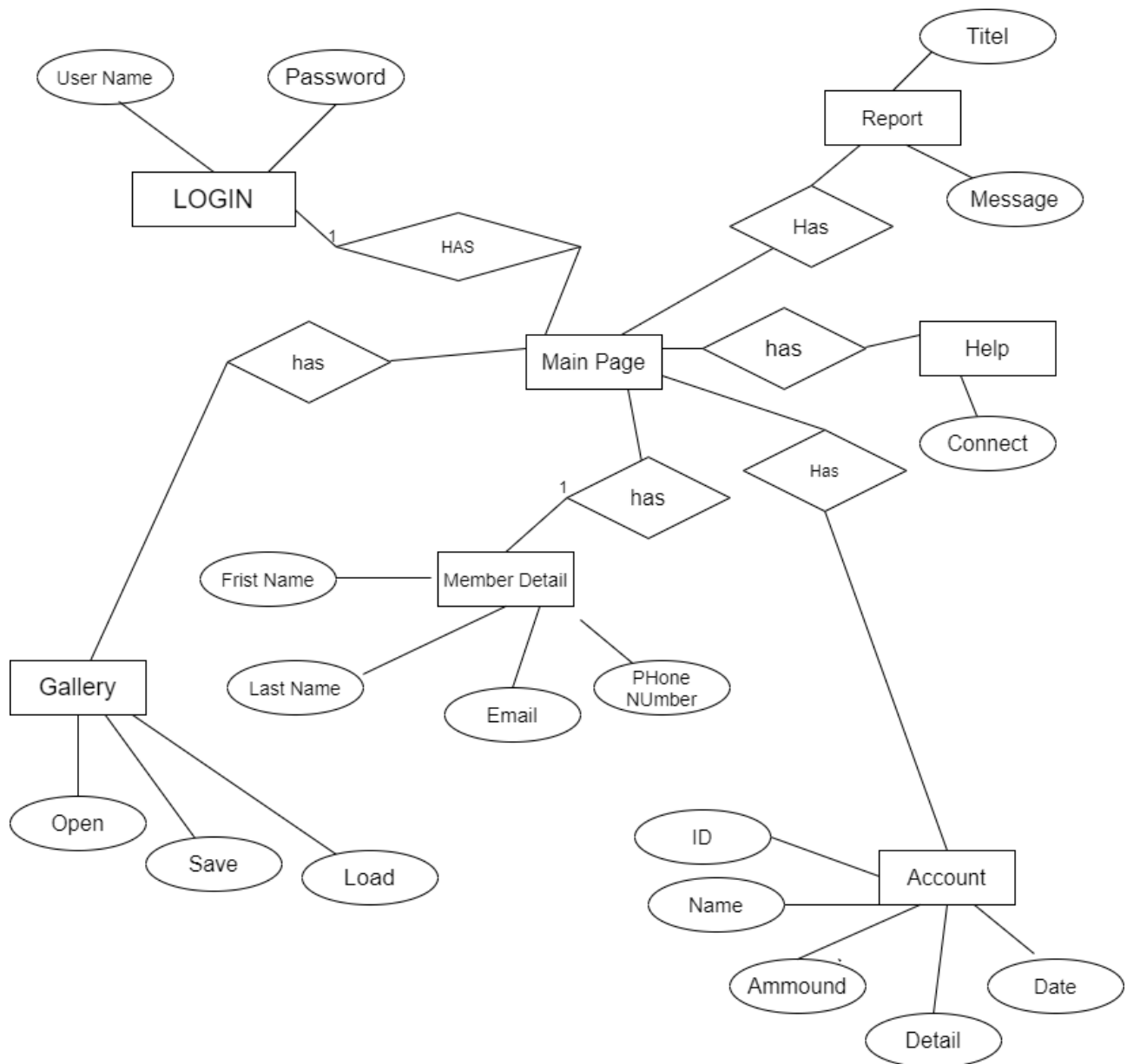
Help button is directly connected our facebook page

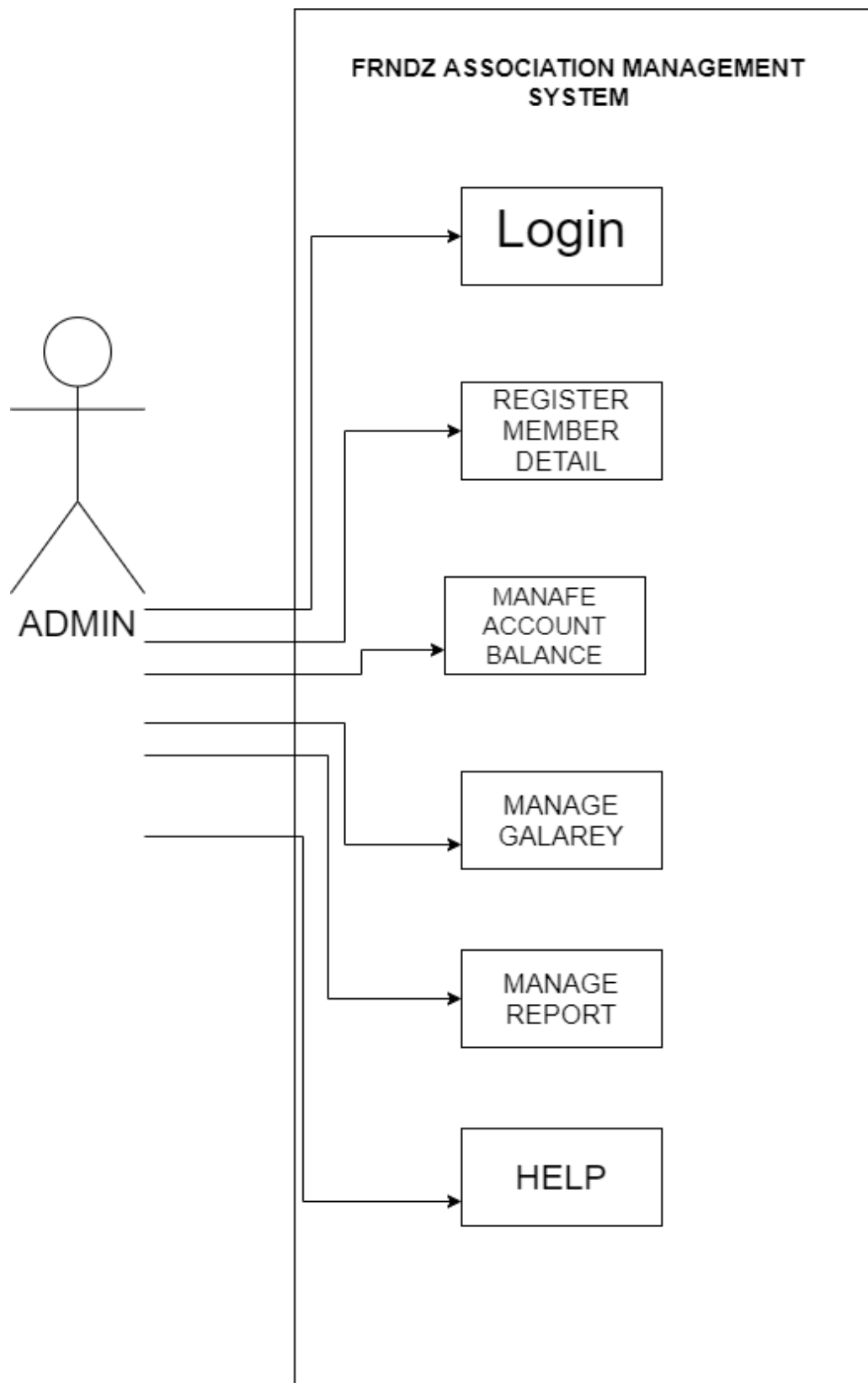


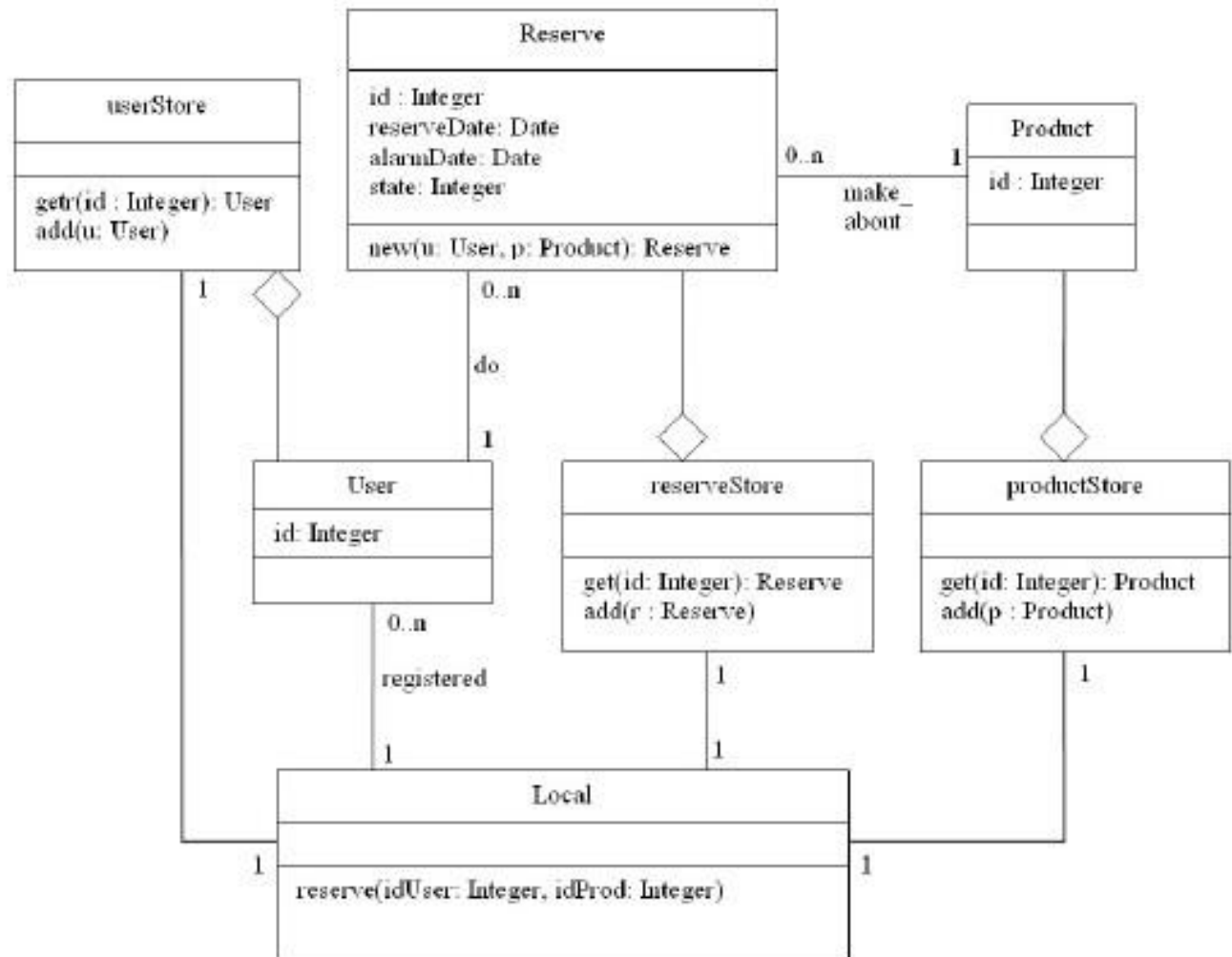
We can edit or delete the inserted records here



ER DAIGRAM







End