

**A  
PROJECT REPORT**

**ON**

**“Canteen Management System”**

**FOR**



**Arts, Commerce & Science College, Sonai**



**SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE**

**BY**

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**Under the Guidance of**

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**IN PARTIAL FULLFILLMENT OF BACHELOR OF COMPUTER  
APPLICATIONS**

**FOR THE ACADEMIC YEAR**

**2020-2021**



Mula Education Society's  
**ARTS, COMMERCE & SCIENCE COLLEGE SONAI**

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NAAC REACCREDITED 'A' GRADE and ISO 9001 : 2008 CERTIFIED

Date: / /2021

### CERTIFICATE

This is to certify that **Miss.Devhare Vanita Adinath**  
**Miss. Dhokane Vrushali Navnath**  
bonafide students of **Arts, Commerce and Science College, Sonai** have successfully completed the Mini project work as prescribed by the Savitribai Phule Pune University, Pune in the partial fulfillment of the requirement of Third Year, Bachelor of Business Administration (Computer Application) Program for the academic year **2020-2021**. The Project Work titled as **“Canteen Management System”**.

**Shri. Bahirat M.R**

Project Guide

Type text here

**Shri. Darandale .S.R**

H.O.D.

**External Examiner**

**Internal Examiner**

## ACKNOWLEDGEMENT

At every outset we express my gratitude to almighty lord for showering his grace and blessings upon me to complete this project.

Although our name appears on the cover of this book, many people had contributed in some form or the other form to this project Development. We could not do this project without the assistance or support of each of the following we thank you all.

We wish to place on my record my deep sense of gratitude to my project guide, for his constant motivation and valuable help through the project work. Express my gratitude to **Dr. Laware S.L.(Principal)** and **DR. Darandale S.R. (H.O.D.)** of **Arts, Commerce & Science College, Sonai** for her valuable suggestions and advices throughout the **B.B.A(CA)**course. We also extend my thanks to other faculties for their Cooperation during my Course.

Finally, we would like to thank my friends for their co-operation to complete this project.

**Miss.Devhare Vanita Adinath**  
**Miss.Dhokane Vrushi Navnath**

## DECLARATION

We hereby declare that the project work entitled, “**Canteen Management System**” submitted under the guidance of **Shri. Bahirath M.R.** is our original work completed under the four walls of our institute.

The Report submitted is our own work and has not been duplicated from any other source. We shall be responsible for any unpleasure moment/situation.

  
Mrs. Devhare Vanita Adinath.

  
Mrs. Dhokane Vrushali Navnath.

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# **1.Introduction**

Canteen management system is to provide fast services to their college students, Staffs etc.

Usually, People have to go to canteen and order the foods and they have to wait in queue for a long time to get the orders, But with the help of this you just have to follow a very simple process to order your stuffs. And you need not to wait in the long queue.

A canteen facility is a supplementary system that is provided by organizations for their employees/students.

Organizations with large numbers of employees cannot handle a canteen with manual processes.

Our canteen management system provides a friendly User Interface for numerous food outlets, menu design, billing features and lots more.Implementation of such a system makes the operation of the kitchen and the whole of the canteen as effective and quick as possible

## **2.Existing System**

The existing system is a cash and paper-based system. The payment and process take a lot of time as the customer has to pay the exact amount and wait for the change.

If the change is not available at the time, a coupon is provided which should be shown at the counter at the next purchase.

### **3.Proposed System**

This system is generally advantageous for avoiding spending time waiting in the queue by posting orders directly to the kitchen without delay and also by scheduling orders ahead of time.

It saves time and also the technique dealing with is easy.

The proposed Canteen Management System is an adept solution for chaos at college canteens.

Highlights of cloud for example auto-scaling, load adjusting and pay as you go improve the working of the system and to some extent unravel the motivation behind the proposed system.



## **4.Scope Of System**

- The system will maintain location wise canteen details of particular organization.
- The system will also maintain available menus with their rates and quantity.
- The system is going to maintain a calendar for canteen so that administrators can preplan the menus for particular timeslot.
- The users will be provided with a touch screen from where they can select a menu.The system will also provide reports facility to users.

## **5.Objectives**

The main objective of the project on canteen management system is to manage the details of Canteen, Students, Item, Stock.

The purpose of the project is to build an application program to reduce the manual work for managing the Canteen, Students, Customer, Item. It tracks all the details about the Item, Stock, Sales.

### **Functionalities provided by Canteen Management System are as follows:**

Provides the searching facilities based on various factors Such as Canteen, Item, Stock, Sales.

Manage the information of Canteen, Stocks & also Students.

Editing, adding and updating of Records is improved which results in proper resource management of Canteen data.

Integration of all records of Sales.

## **6.Need of the System**

- Helps in advance planning.
- Reduces Administrative works.
- Saves time & improves employee.
- Reduces Wastage of food items.
- Provides a fast and efficient service.
- Increase customer satisfaction.

## **7. Hardware Environment:**

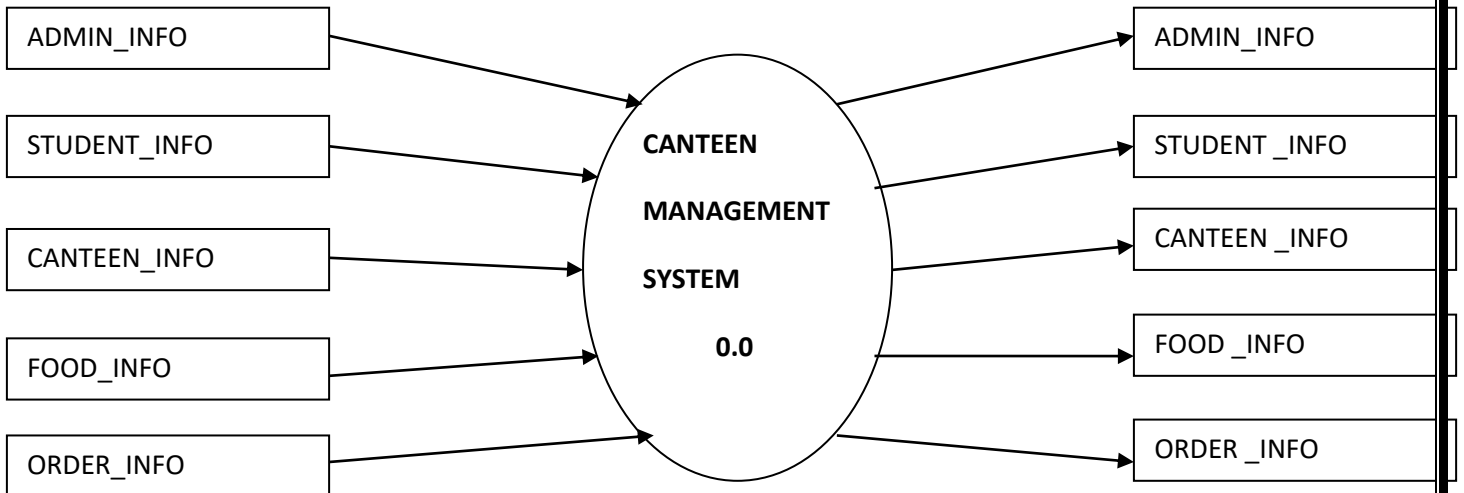
<b>Name</b>	<b>Details</b>
<b>Processor</b>	32 + bit Processor
<b>RAM</b>	256 MB +
<b>Hard Disk</b>	2 GB

## **8. Software Environment:**

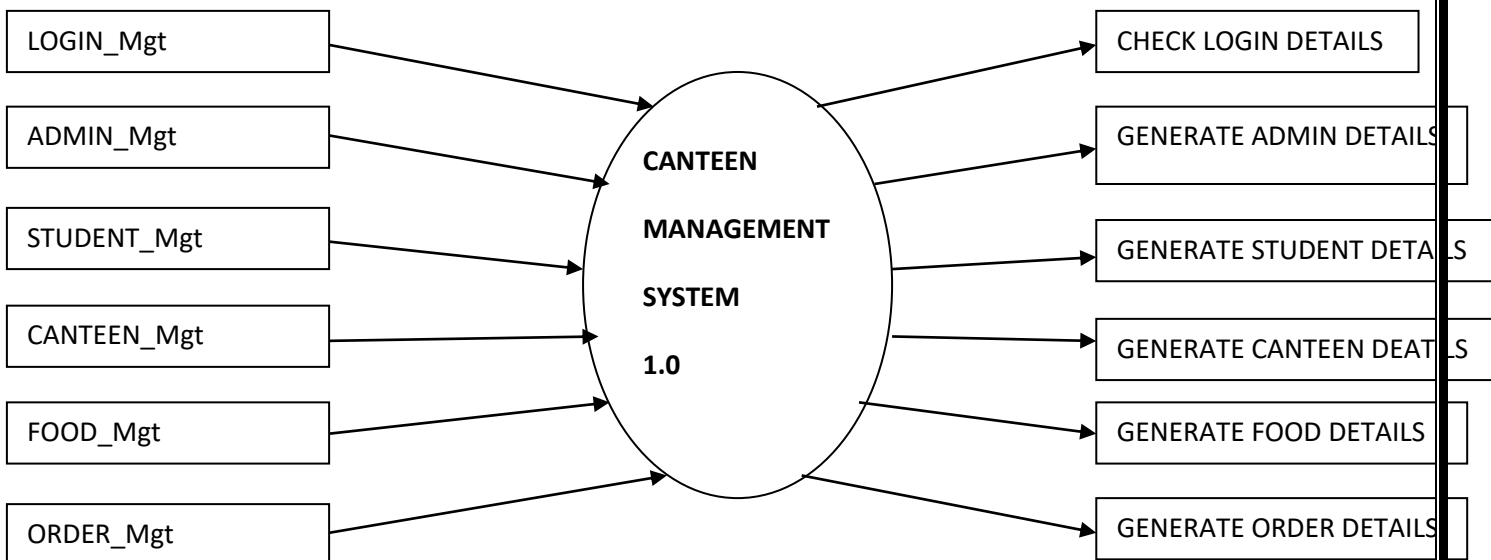
<b>Name</b>	<b>Details</b>
<b>Operating System</b>	Windows 10
<b>Database</b>	Microsoft Access
<b>Technology</b>	Visual Basic 6.0

# 9. System Analysis and Design

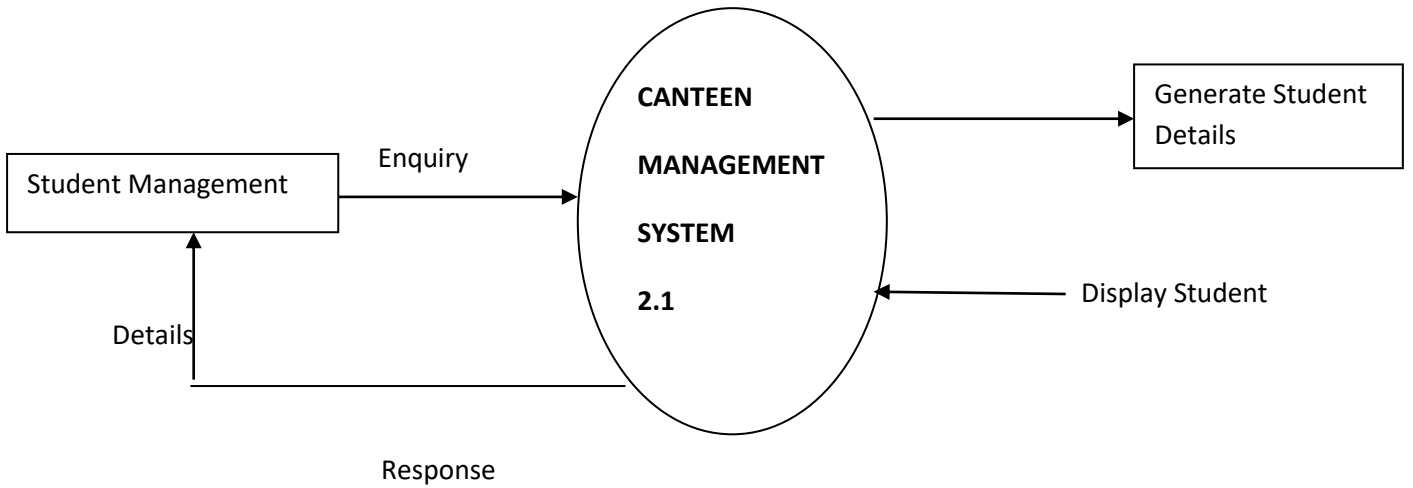
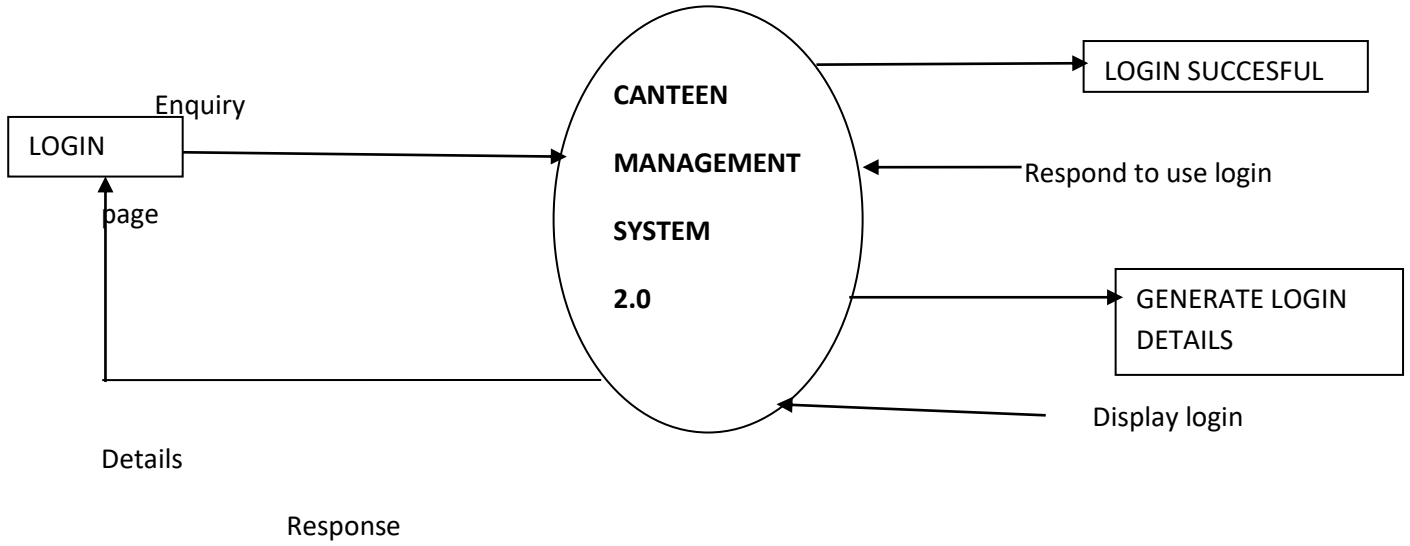
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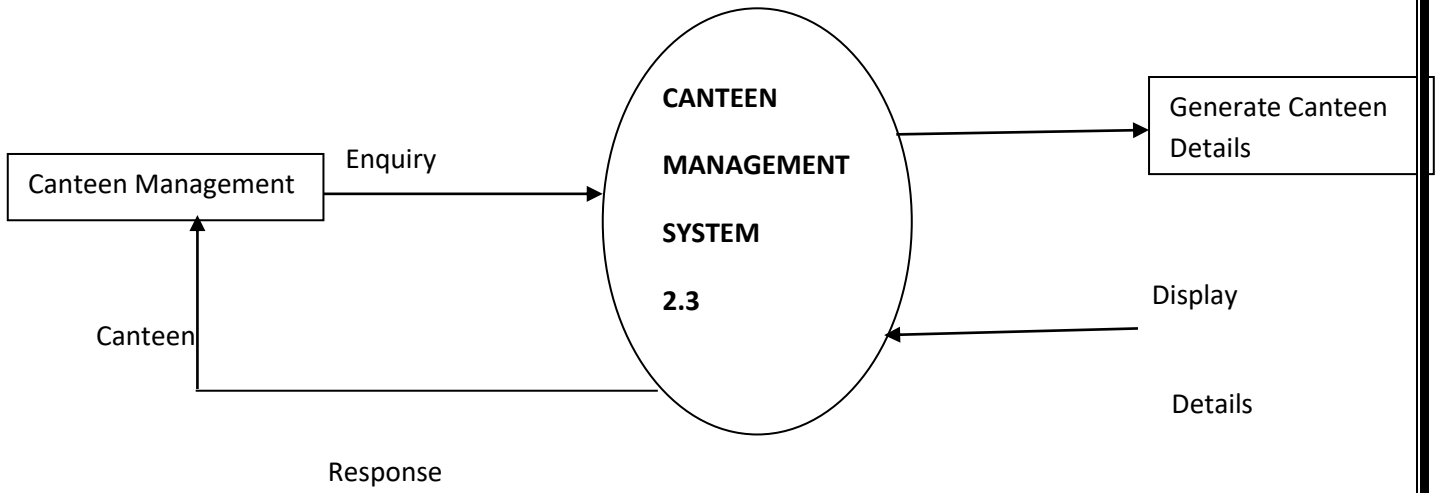
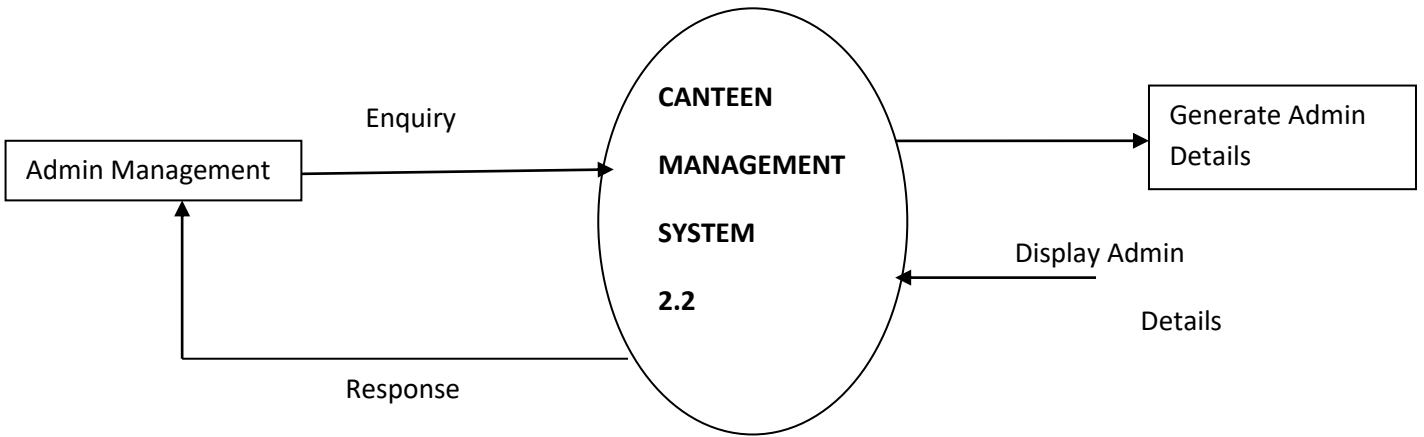


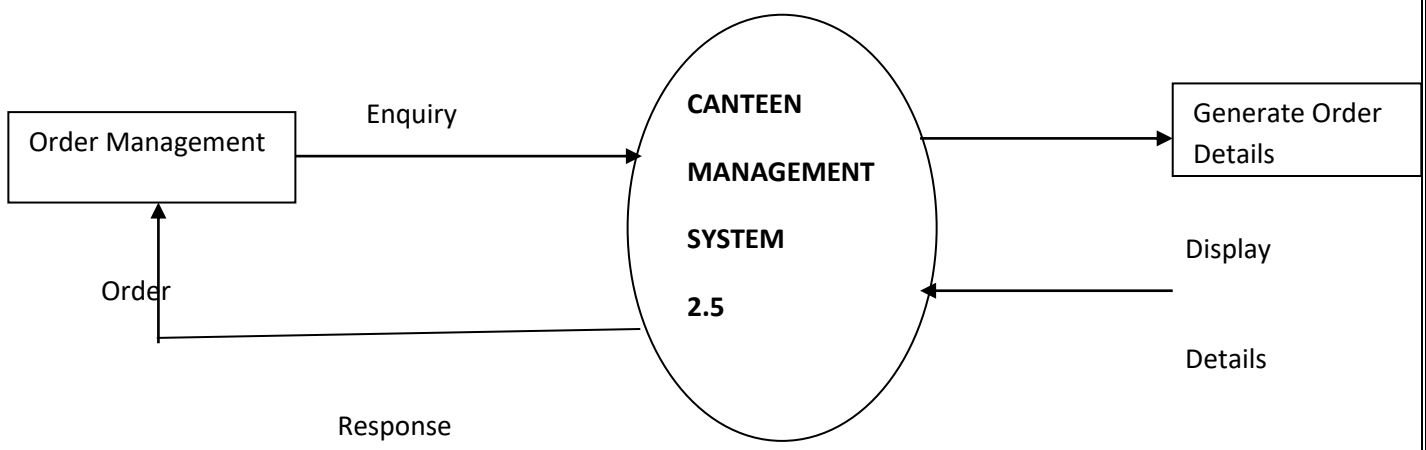
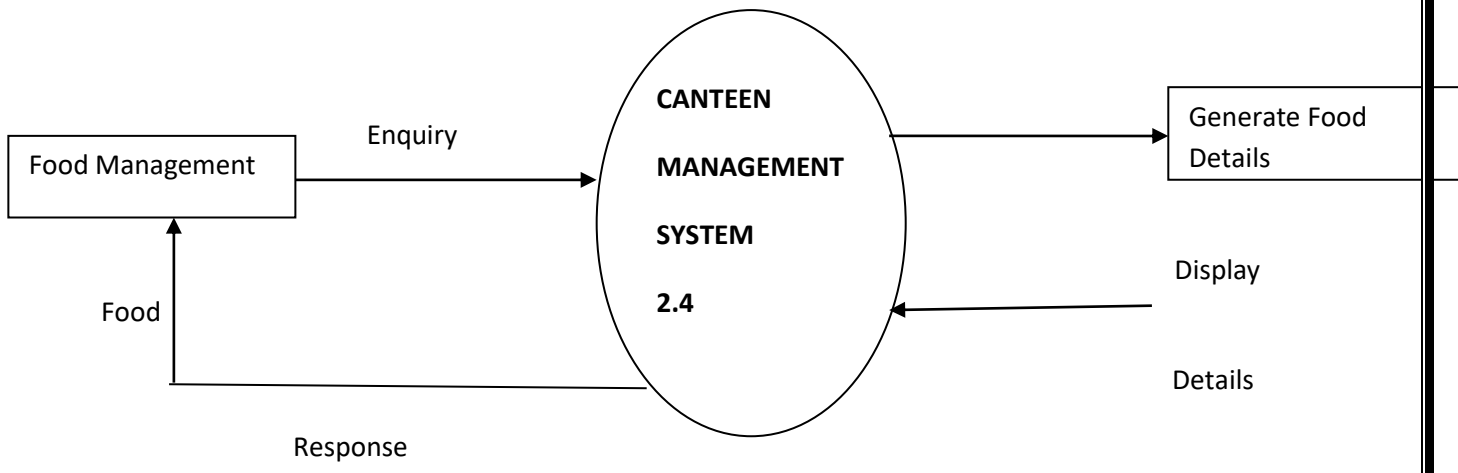
## First Level DFD :



**Second Level DFD :**

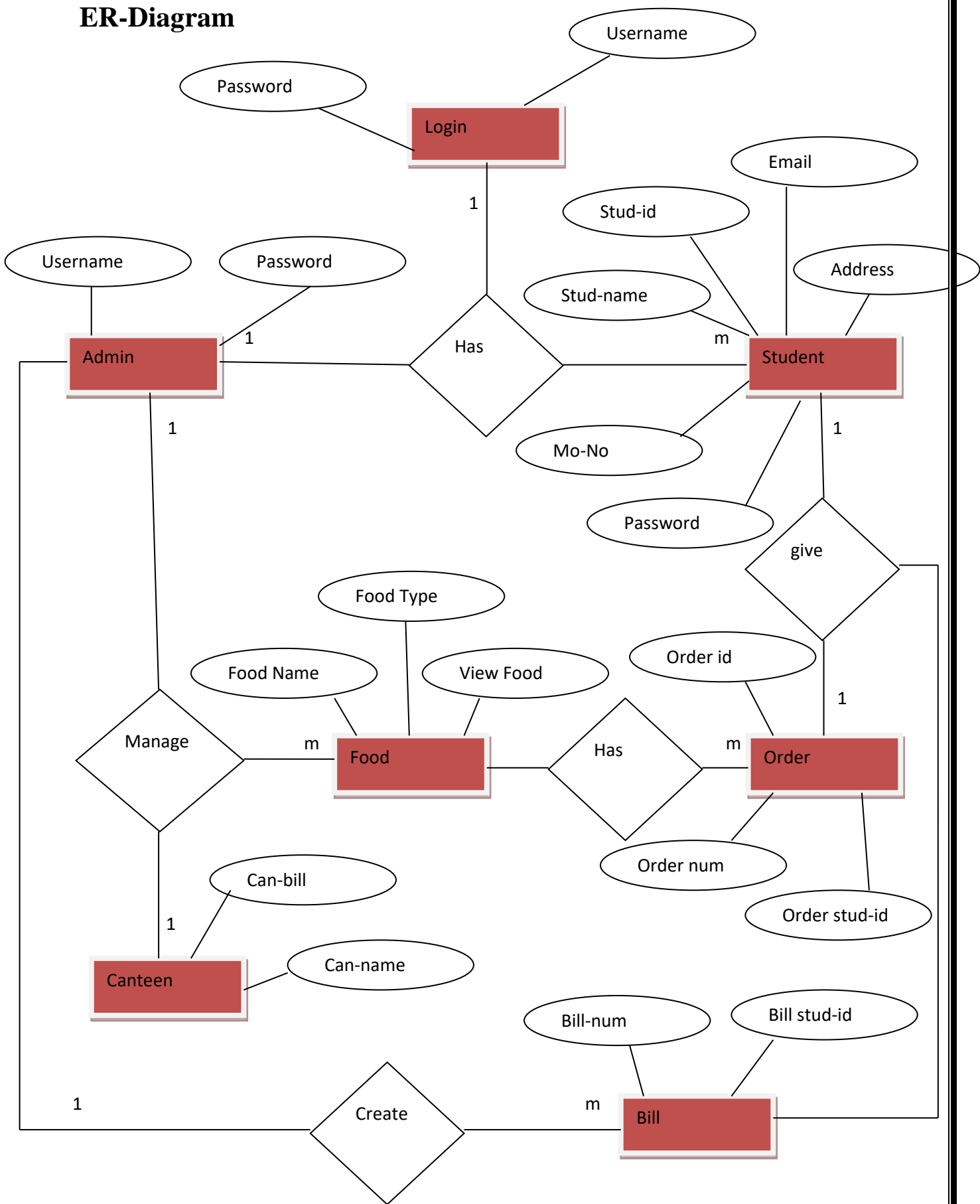








# ER-Diagram



## 10. File Database Design

### Login :

Column	Data Type	Constraint
<b>Username</b>	Varchar	–
<b>Password</b>	Varchar	–

### Student:

Column	Data Type	Constraints
<b>Stud_ID</b>	Number	Primary Key
<b>Stud_Name</b>	Varchar	–
<b>Address</b>	Varchar	–
<b>Email_ID</b>	Varchar	–
<b>Mo.No</b>	Number	–

### Bill :

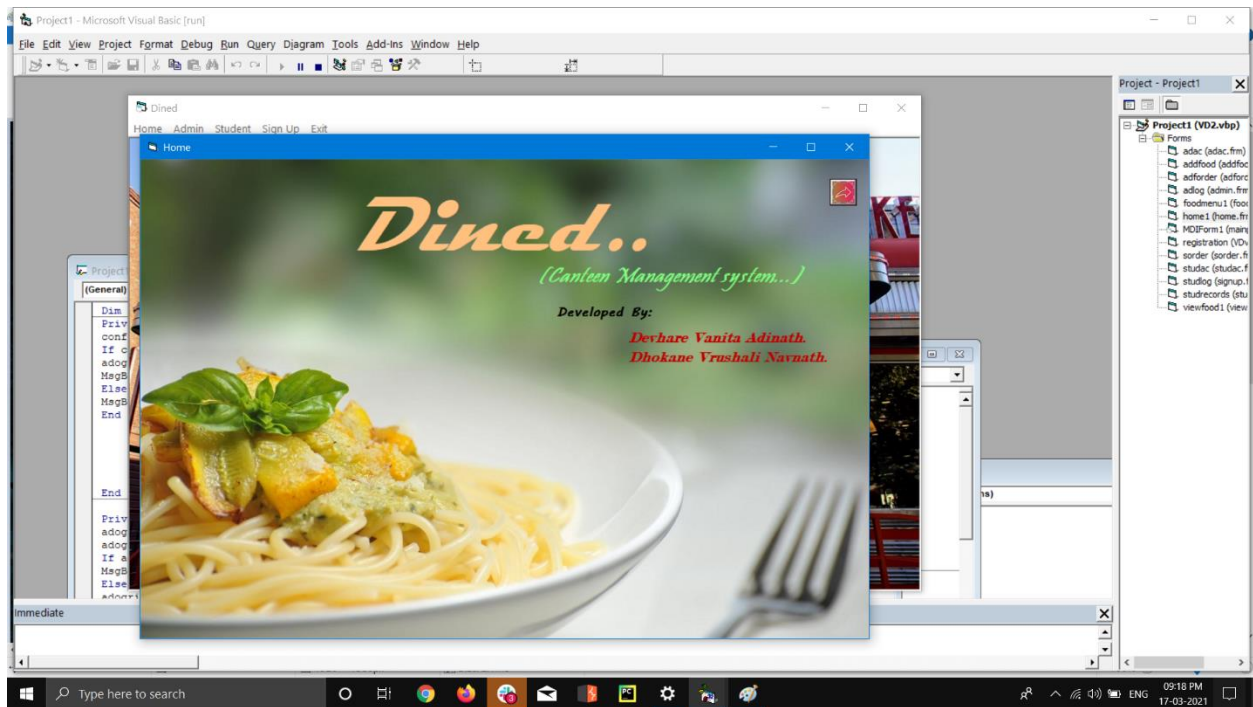
Column	Data Type	Constraints
<b>Bill_id</b>	Integer	Primary Key
<b>Bill_Stud_id</b>	Integer	Foreign Key

## **Food Menu:**

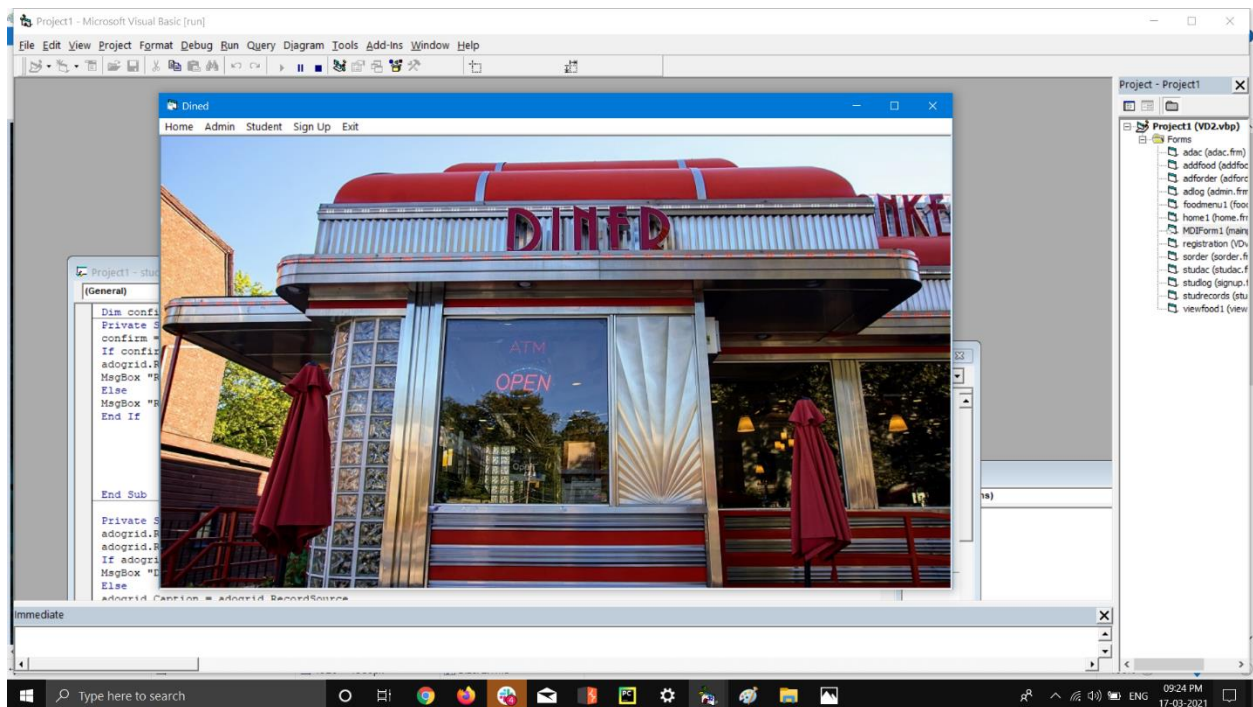
Column	Data Type	Constraints
<b>Food_Id</b>	Number	Primary Key
<b>Food_Name</b>	Varchar	–
<b>Food_Type</b>	Varchar	–
<b>Price</b>	Integer	–
<b>Food_Stud_Id</b>	Integer	Foreign Key

# 11. Screen Layouts and Design

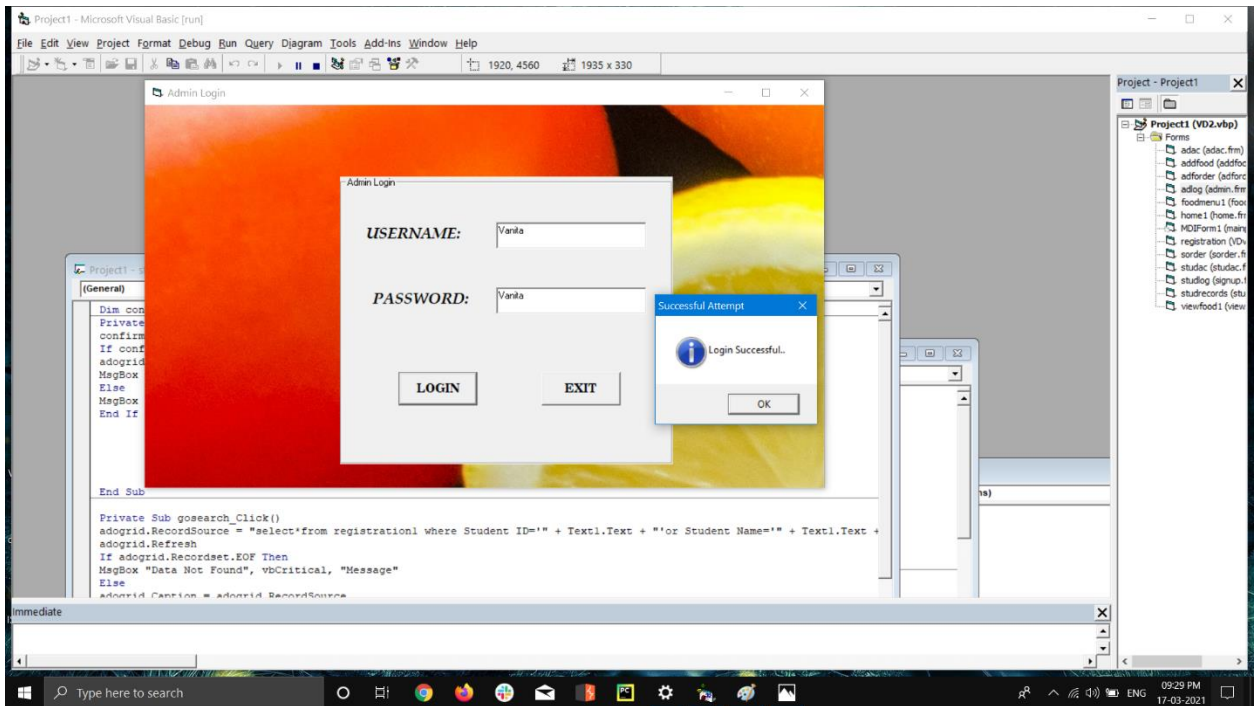
## Home Page:



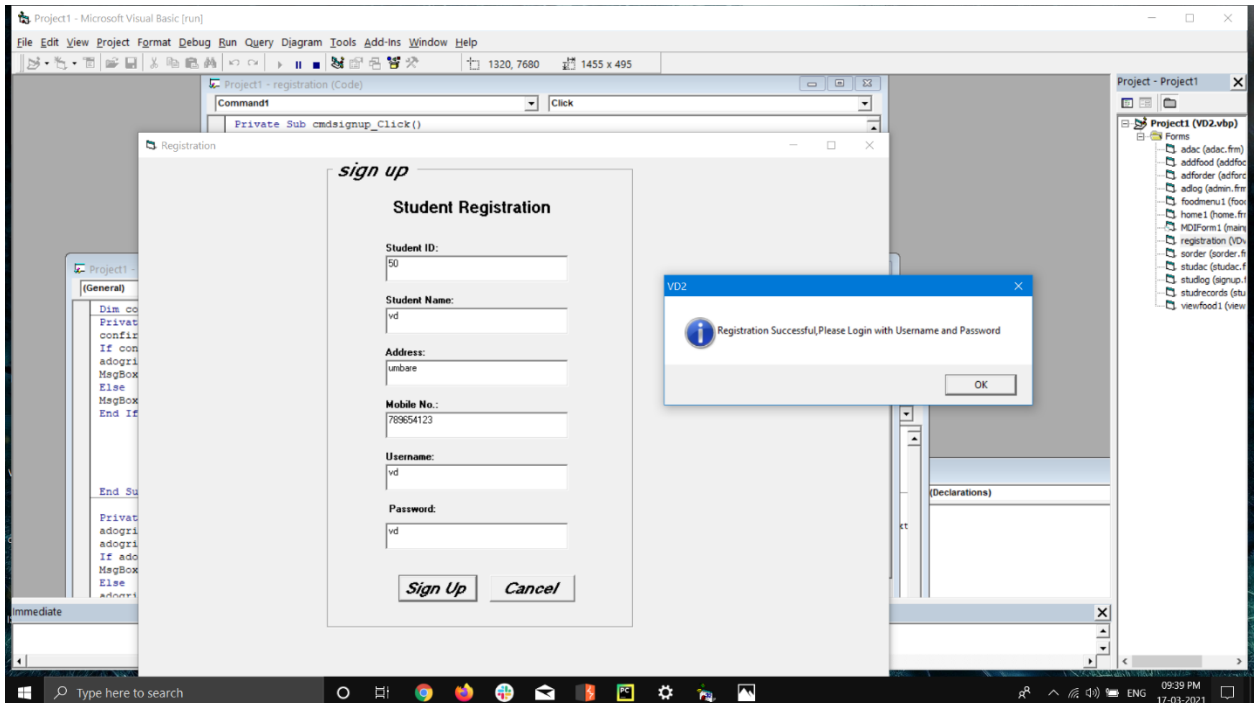
## Main page:



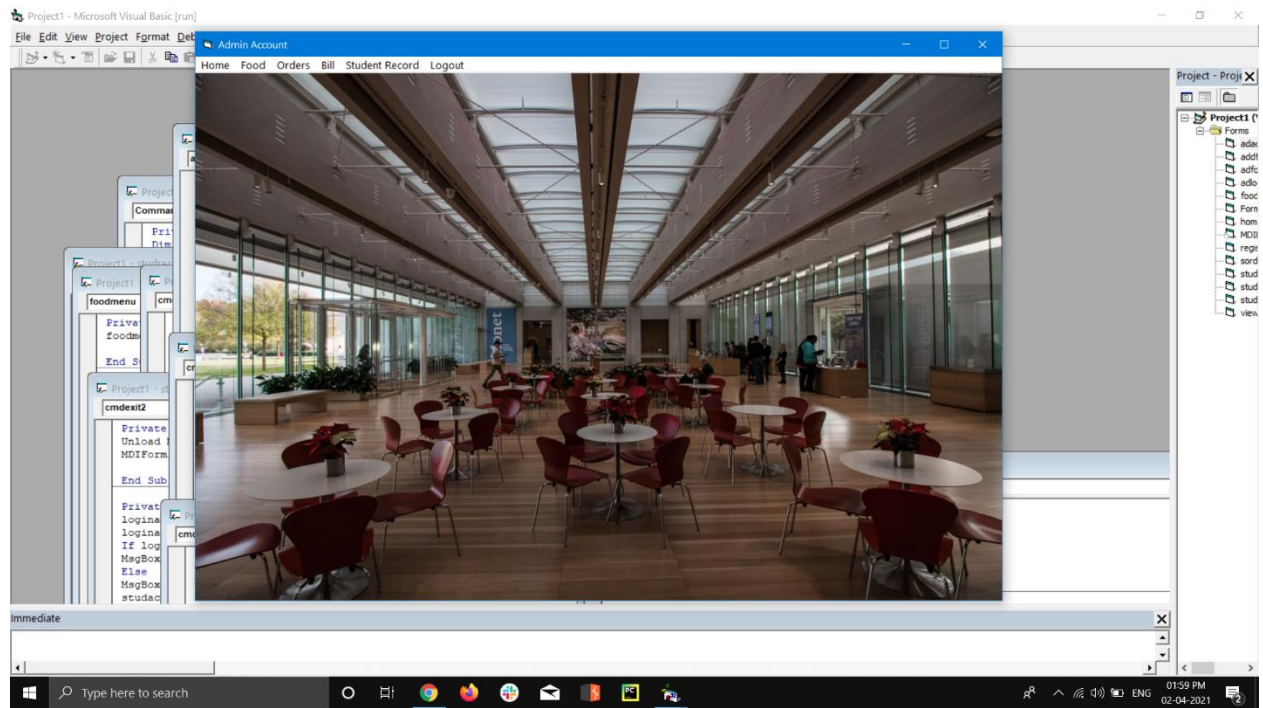
## Admin Login:



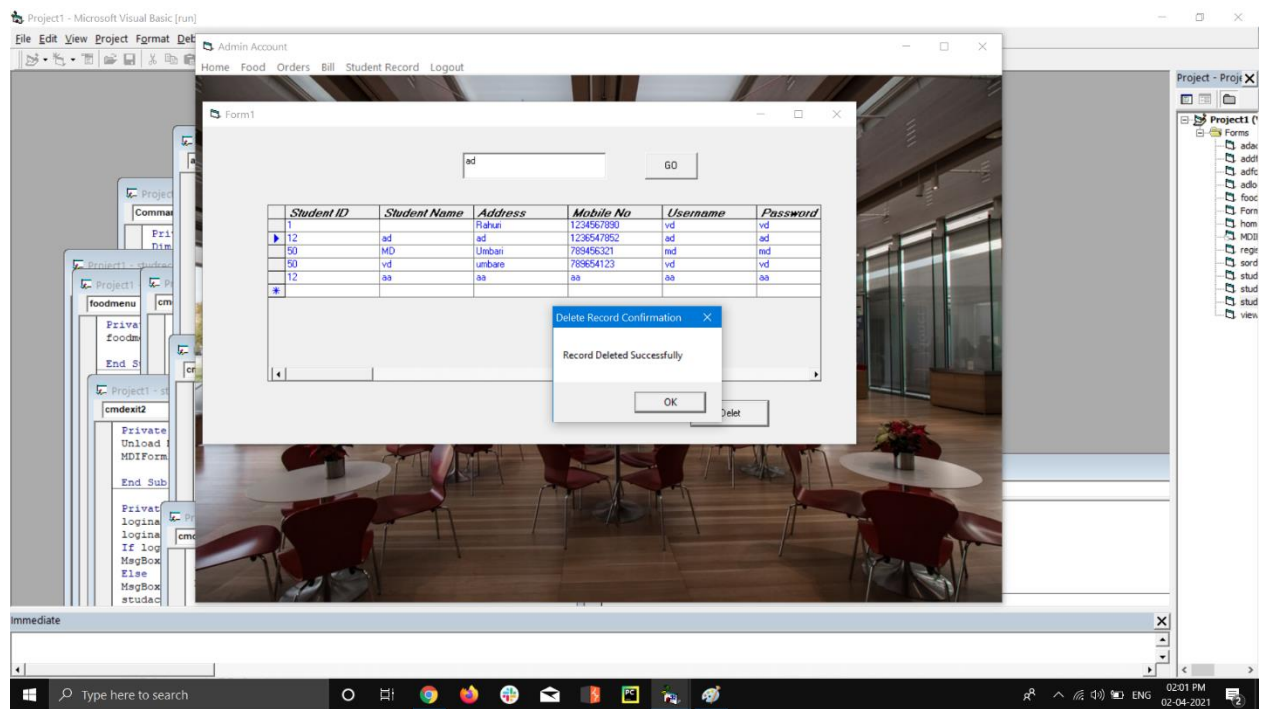
## Student Registration:



## Admin Profile:

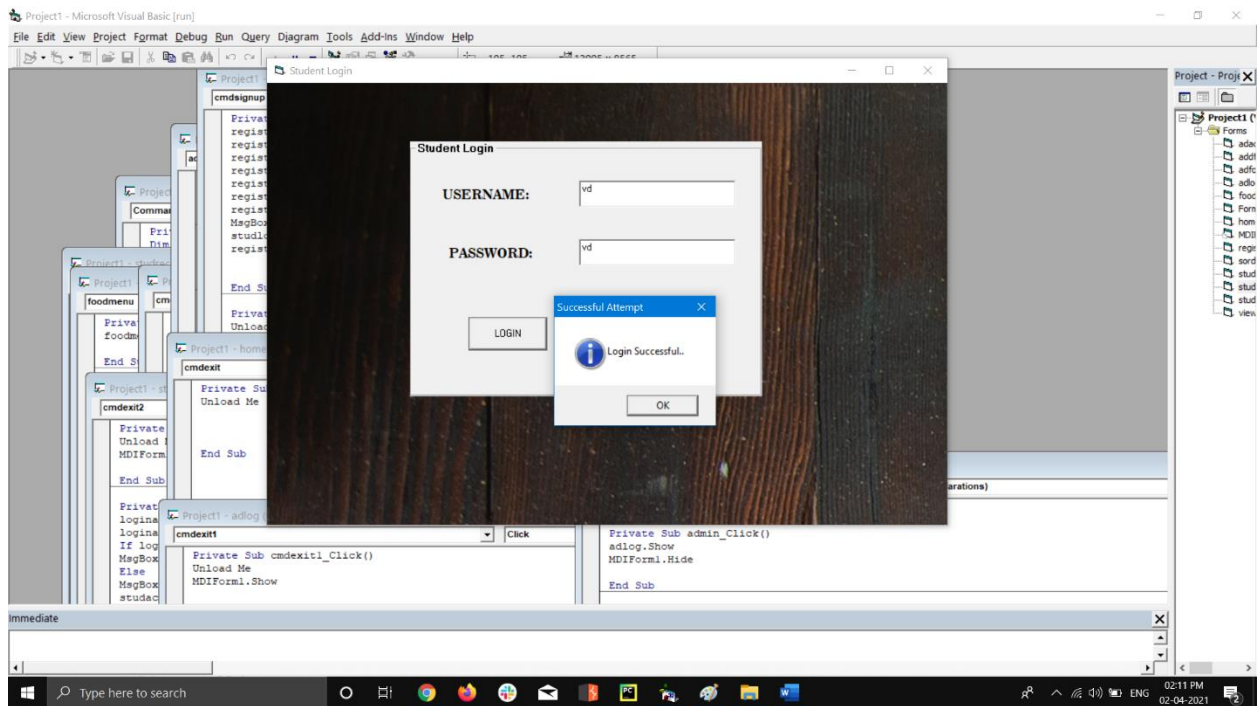


## Student Records:

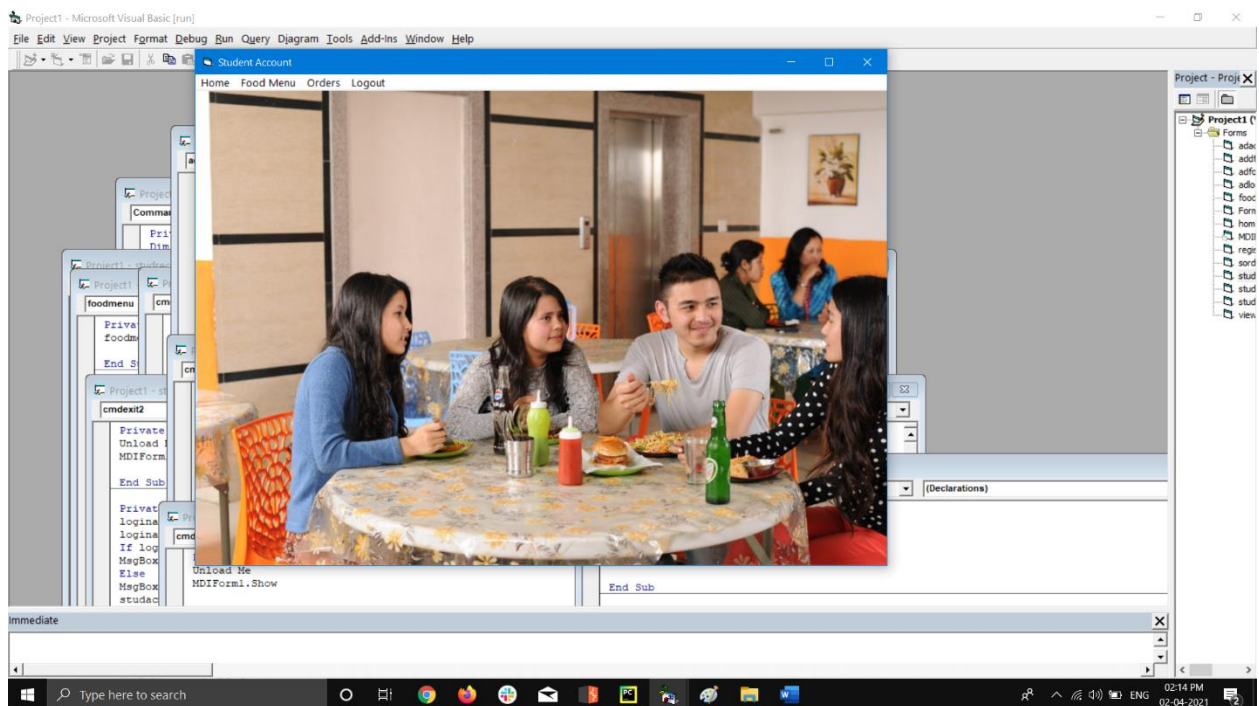




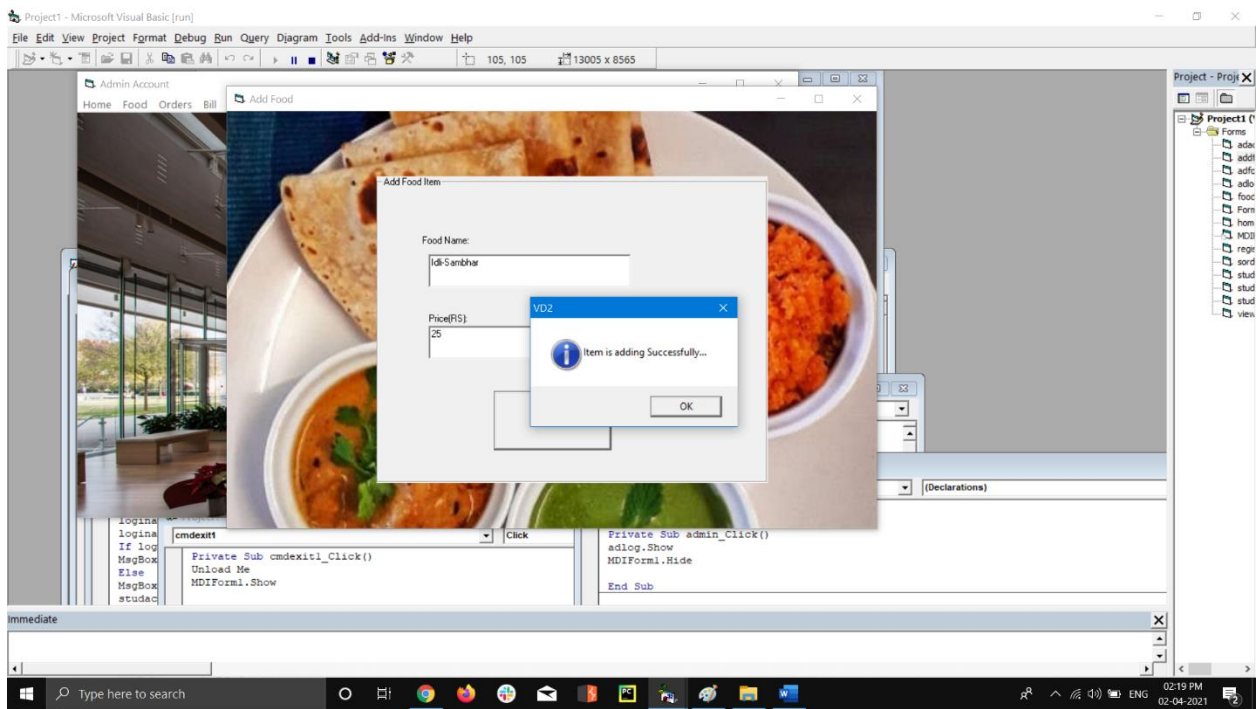
## Student Login:



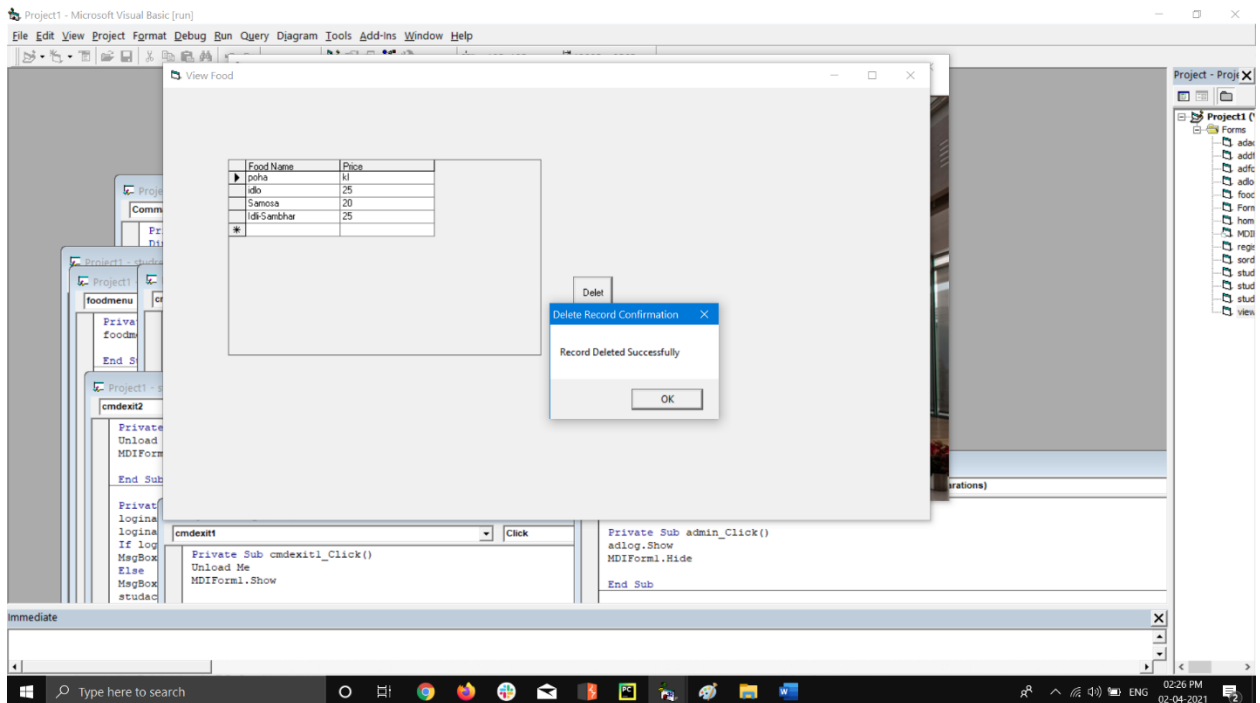
## Student Profile:



## Add Food Item:



## View Food:





## **11. Future Enhancement**

1. In the future we will create a more reliable long databases for fetching records. We will also try to provide more best services and also online payment methods.
2. In future we will try to updated student profile and also admin profile. Some more interesting features will be added so that students will find it as more useful.

## **12. Conclusion**

- The development of Canteen Management System involved many phases. The approach used is a top-down one concentrating on what first then how and moving to successive levels of details.
- The first phase started with a detailed study of the problems and prospects of ordering in Foods.
- This Software is efficient in maintaining customer's details and can easily perform operations on platform.

## **13. Limitation**

- The existing system only provides text-based interface, which is not as user-friendly as Graphical user Interface.
- Since the system is implemented in Manual, so the response is very slow.

## References

1. [www.efacility.in](http://www.efacility.in)
2. [www.google.co.in](http://www.google.co.in)
3. [www.scribd.com](http://www.scribd.com)