

**A**

**Project Report On  
Pharmacy Management System**

**Submitted By:**

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Exam No- 341

**Internal Guide:**

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Submitted for

Partial fulfillment of BCA degree Year 2018-19



Submitted To

Charutar Vidya Mandal's

S.G.M. English Medium College of Commerce and Management

Sardar Patel University

Vallabh Vidyanagar

## SEMCOM CERTIFICATE

Date:\_\_\_\_\_

This is to certify that Harsh Bhavsar(341) has worked on project entitle Pharmacy Managment from 26-11-18 to 12-03-19. This (US06CBCA04) is an in-house project course of three credits.

He was regular in his work and developed around 70 house for the project including Analysis and design. He has completed the project satisfactorily.

**Project Cordinator**

Mrs.Ami Trivedi

**Project Guide**

Mrs.Harshida Patel

## Acknowledge

It was very exciting for me to work on the Pharmacy store management system.

During this work I have gained both practical as well as therorecalfical knowledge of Sigificance.I am greatly thankful to all faculty members of collage to guide me through this work. I greatly obliged to Mrs.Harshida Patel for her suggestions and help. I am also thankful to my external guide.It has been a highly encouraging and knowledge gaining experience. There has been a source of inspiration throughout the Project and has helped us in our problems. This being first company experience proved to be of great help for the overall development of the future.I am grateful to SEMCOM college for providing me an opportunity to work under an external company as well as providing me an excellent internal guide for the completion of my project.I am also greatly thankful to the entire BCA faculty who has helped me in completion of his project directly or indirectly.

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

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## Project Profile

Project Title	Pharmacy store management
Developed By	Harsh Bhavsar
Front-End Tool	Visual Basic
Back-End Tool	SQL SERVER
Project Duration	
Project Guide	Mrs. Harshida Patel
Submitted To	SEMCOM College  Sardar Patel University  Vallabh Vidhyanagar
Submitted For	Partial Fulfillment of BCA Degree

## Introduction of Existing system

Existing System has following drawbacks:

- Requires more time for processing.
- The process is very slow and lengthy.
- Difficult to search the data.
- More men power is required.
- Wastage of resources to store old record books.
- When a customer request for the a particular model,one has to physically check for the availability of stock in storage.
- In existing system is manual system

## Scope of work (Need Of Proposed System)

Proposed system is computerized system which has following characteristics and those raise the needs of the proposed system:

- Any change in information can be easily done.
- Relevant data get automatic updation as and when data is updated.
- System security and authorization
- The important reason is to make the work easier, faster and less time consuming
- The system is user friendly
- The system is more efficient than the existing system
- Reduce data duplication
- Improves data consistency
- Provide various reports

## Feasibility study

There are three aspects in feasibility study portion of the preliminary investigation:

1. Technical feasibility
2. Operational feasibility
3. Economic feasibility

- **Technical feasibility:-**

It uses latest Software which if Visual Basic and MS SQL Server. So it would not obsolete in near future.

- **Operational feasibility:-**

All modules are tested in this and it works properly.

- **Economic feasibility:-**

The latest software used here are latest so gradation is not necessary. This is Economic feasibility.



## System Features

The Features of Pharmacy store management system are:

1. Easy to understand and use:

As it is develop on GUI it is easy to understand and work on the system

2. Cost:

It is built using VB and sql. Therefore no upgradation on software required near in future.

3. Less time Consuming:

Compare to manual (existing) system this system requires very less effort to search the record.

4. Update:

Updation facility is provided.

## Hardware and software (introduction to tools used)

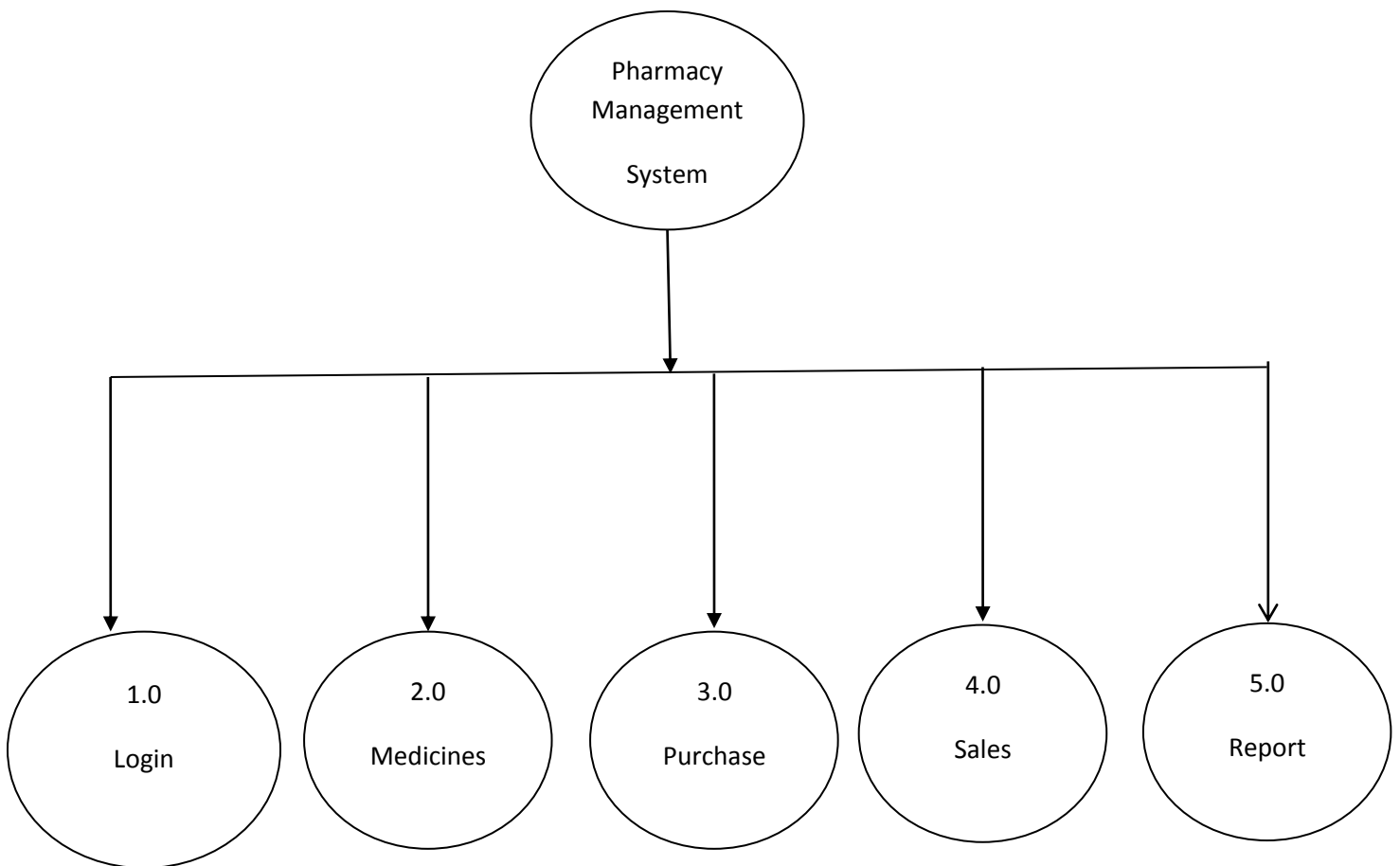
- Hardware Requirement

RAM	2 GB Above
Processor	Core i3 & above

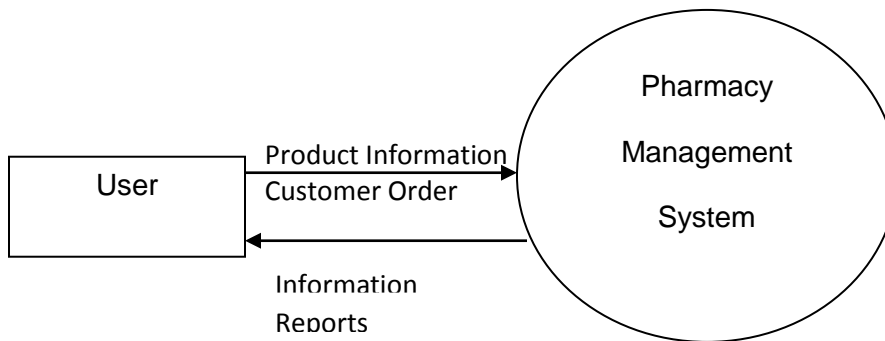
- Software Requirement

Operating System	Window XP and Above
Front End Tool	Microsoft visual Basic 2008 Express Edition
Back End Tool	MS SQL Server

## Process Hierarchy

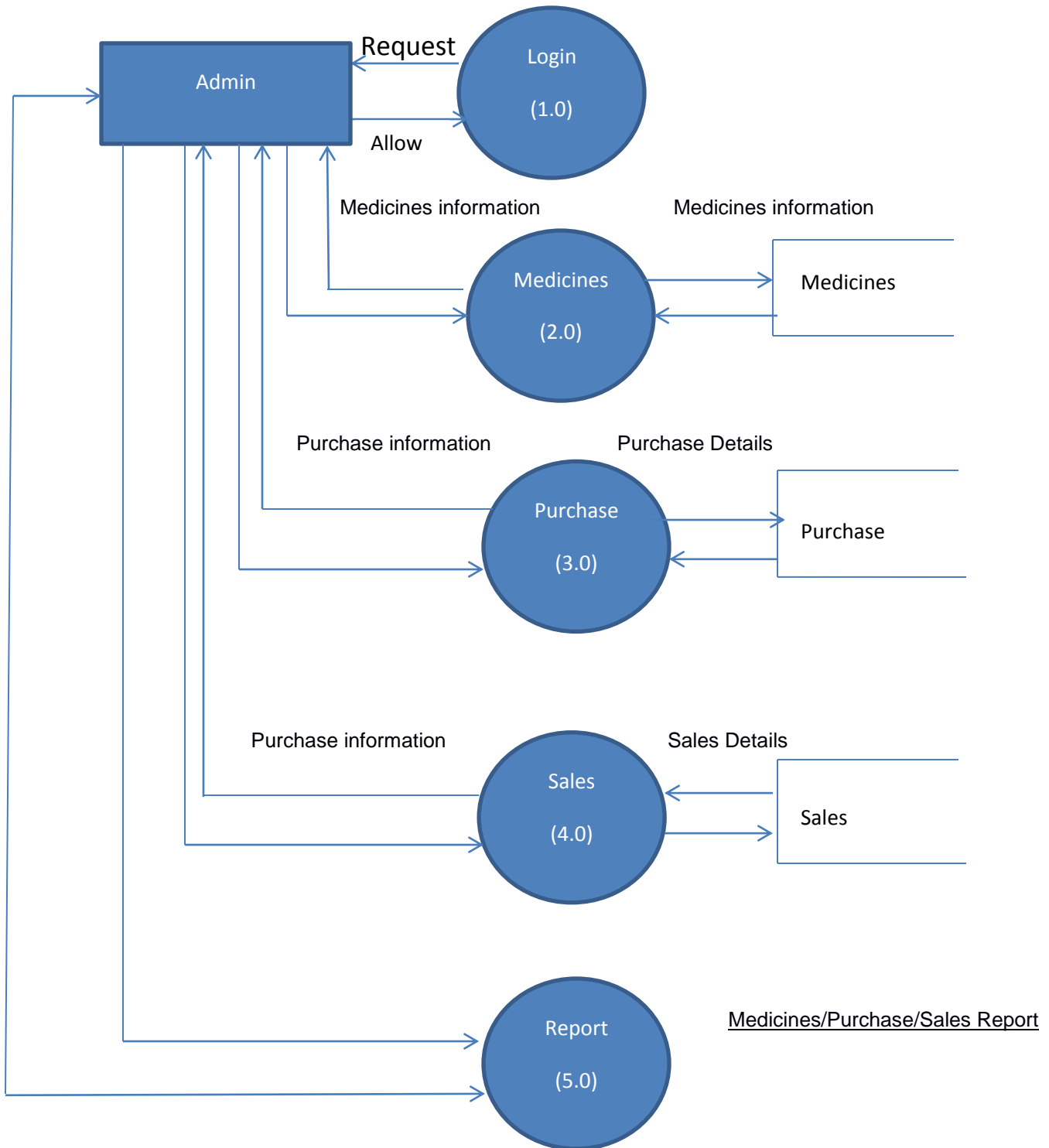


## Context level



## DATA FLOW DIAGRAM

### FIRST LEVEL



## Database Layout/File Layout

### LOGIN\_MST

Field name	Data type	Size	Constraint	Description
User id	varchar	20	Not Null	User name
Password	varchar	20	Not null	Password

## Medicines

Field name	Data type	Size	Constraint	Description
Med_ID	Numeric	10	Primary key	Medicine id
med_name	nvarchar	20	Not null	Medicine name
med_dose	numeric	10	Not null	Medicine Dose
med_price	numeric	10	Not null	Medicine Price
med_qty	Numeric	10	Not null	Medicine Quantity
side_efcts	nvarchar	20	Not null	Side effects
med_type	nvarchar	20	Not null	Medicine types

## PURCHASE

Field name	Data type	Size	Constraint	Description
Med_id	numeric	10	Not null	Medicine id
med_name	nvarchar	20	Not null	Medicine name
med_qty	numeric	10	Not null	Medicine quantity
cmpny	nvarchar	20	Not null	company
dt_of_prchse	date		Not null	Date of purchase
tot_amt	numeric	5	Not null	Total amount

## SALES

Field name	Data type	Size	Constraint	Description
bill_id	numeric	10	Primary key	Id of bill
petient_name	Nvarchar	20	Not null	Petient id
med_dose	Numeric	10	Not null	Dose off medicine
med_name	nvarchar	20	Not null	Medicine name
dt_of_sale	date	-	Not null	Saling date
med_price	numeric	18	Not null	Price of medicine



## Design of Input Screen



The image shows a software window titled "login" with a light blue background featuring a pattern of blue and white capsules. The window contains the following elements:

- A "Login" label followed by a text input field.
- A "Password" label followed by a text input field.
- Three buttons at the bottom: "Login", "Clear", and "Exit".

### DESCRIPTION:

This is login form.

This form is used by user to login. When login information incorrect the message box display message as invalid login.

medicines

medicine id

medicine name

medicine dose(in mg)

medicine price

medicine quantity(in box)

side effects(if there)

medicine type

add delete update

search next previous

first last Clear

back exit

	med_id	med_name	med_dose	med_price	med_qty
*					

### DESCRIPTION:

This is a Medicines Form i.e. here the user can insert,update,delete and search details about product.

The screenshot shows a software window titled "sales". It features a light blue background with a decorative image of a pill bottle and several blue and white capsules. The window contains the following elements:

- Input Fields:**
  - bill id:** A text input field.
  - petient name:** A text input field.
  - medicine dose(in mg):** A text input field.
  - medicine name:** A text input field.
  - date of sale:** A date picker showing "Saturday , March 02, 2019".
  - Total Amount:** A text input field.
- Buttons:**
  - add:** Located next to the "bill id" field.
  - delete:** Located next to the "petient name" field.
  - search:** Located in the top right area.
  - update:** Located below the "search" button.
  - next:** Located next to the "medicine name" field.
  - previous:** Located below the "update" button.
  - first:** Located below the "date of sale" field.
  - last:** Located below the "previous" button.
  - back:** Located below the "Total Amount" field.
  - exit:** Located to the right of the "back" button.
  - Clear:** Located to the right of the "exit" button.
- Other:** A large, empty grey rectangular box at the bottom of the window.

### DESCRIPTION:

This is a Sales Form i.e. here the user can insert,update,delete and search about Supplier details

purchase

medicine id

medicine name

medicine quantity

company

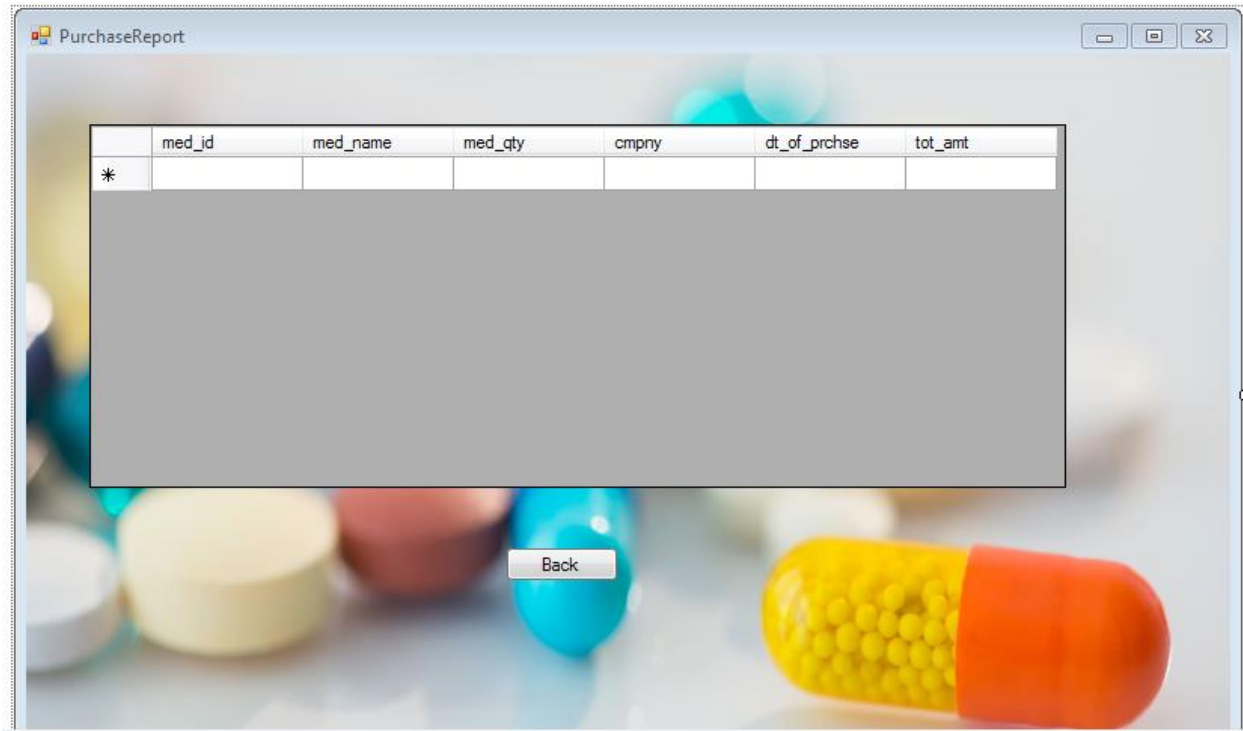
date of purchase

**Total Amount**

	med_id	med_name	med_qty	cmpny	dt_of_prchse	tot_amt
*						

### DESCRIPTION:

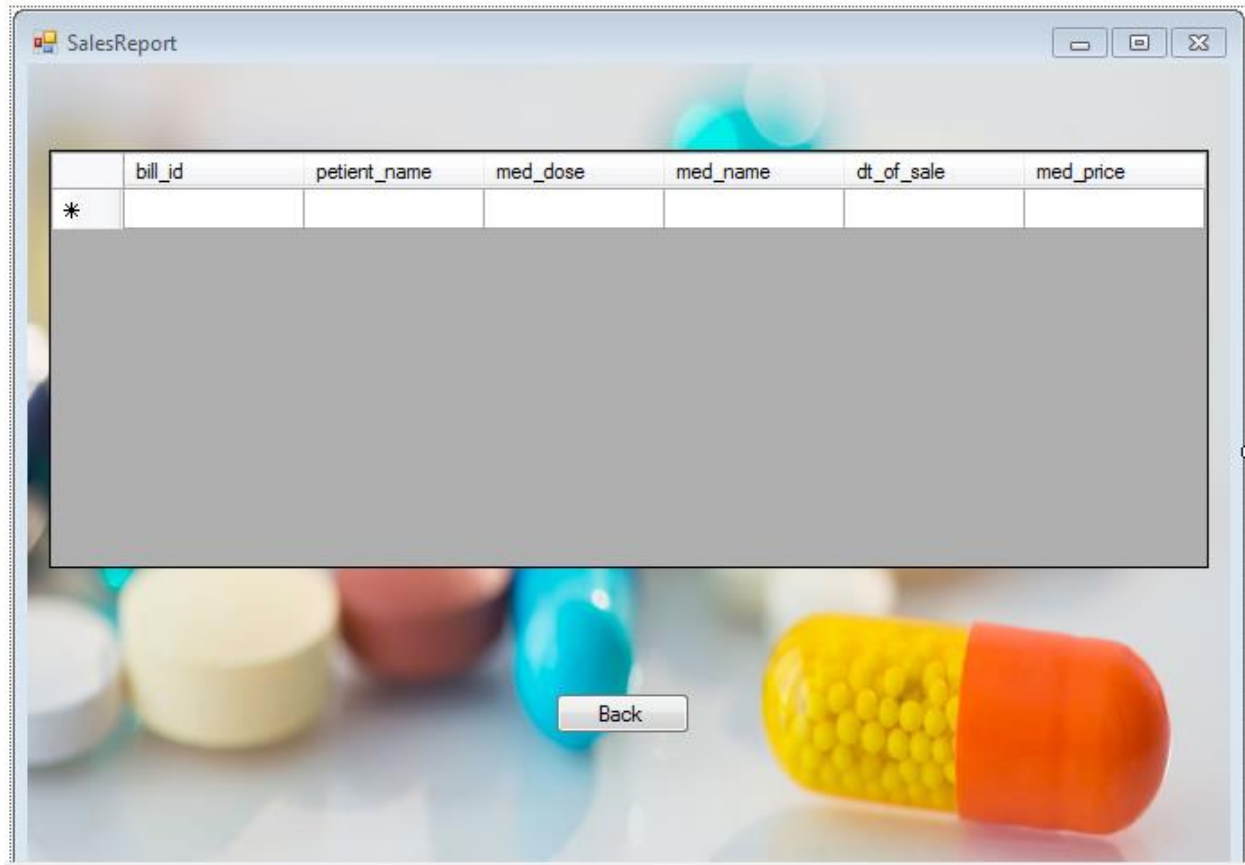
This is a Purchase Form i.e. here the user can insert,update,delete and search details about Purchase product.



The screenshot shows a software window titled "PurchaseReport". Inside the window, there is a table with the following columns: med\_id, med\_name, med\_qty, cmpny, dt\_of\_prchse, and tot\_amt. The first row of the table contains an asterisk (\*) in the med\_id column. Below the table, there is a "Back" button. The background of the window shows a blurred image of various pills and capsules.

### DESCRIPTION:

This is a Purchase Report Form i.e here the user can insert,update,delete and search the data.

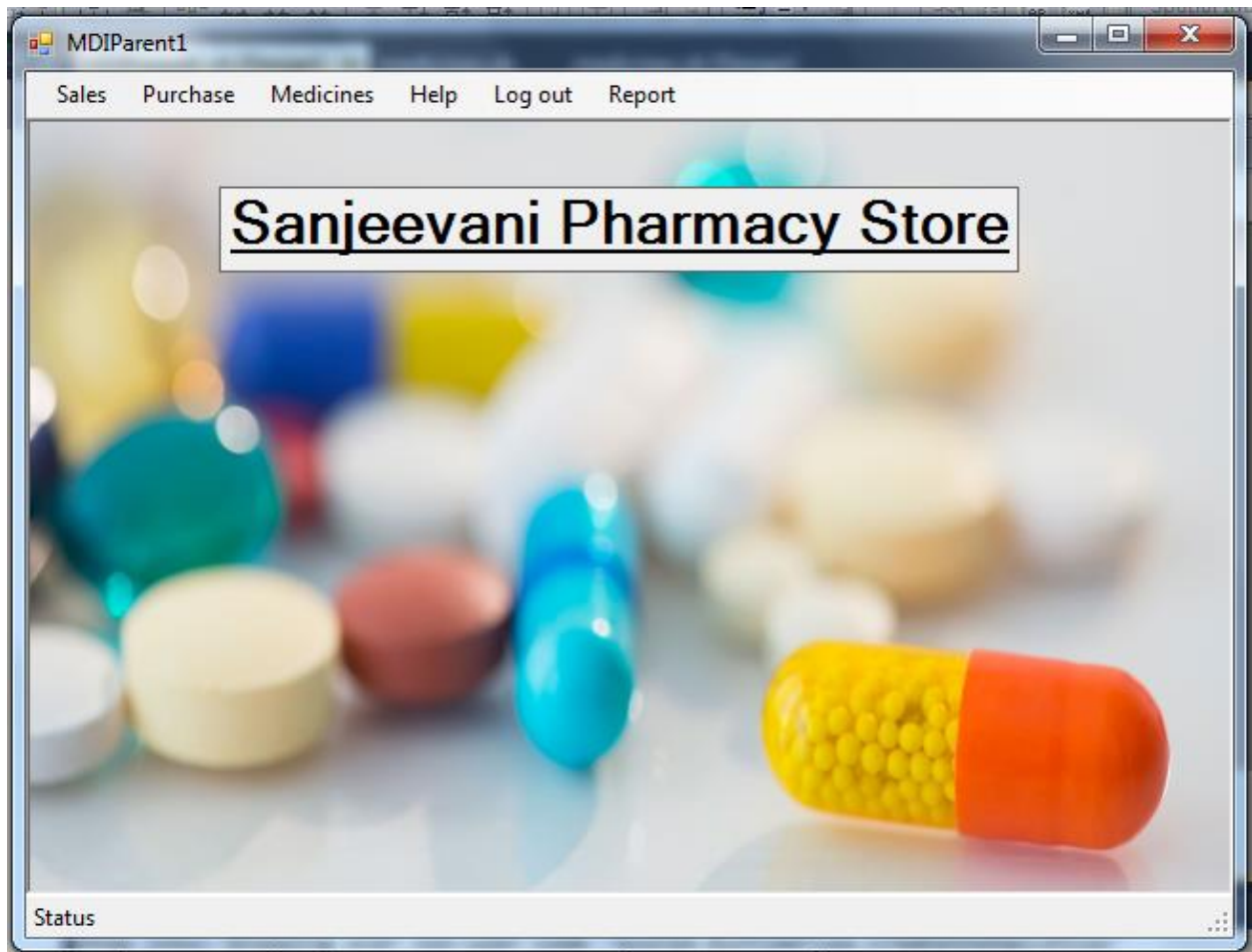


The screenshot shows a window titled "SalesReport" with a standard Windows-style title bar (minimize, maximize, close buttons). The main content area features a table with the following columns: `bill_id`, `patient_name`, `med_dose`, `med_name`, `dt_of_sale`, and `med_price`. The first row of the table contains an asterisk (\*) in the first column. Below the header row, a large grey rectangular area obscures the rest of the table's content. At the bottom center of the window, there is a "Back" button. The background of the window is a blurred image of various pills and capsules.

### DESCRIPTION:

This is a Sales Report Form i.e. here the user can insert, update, delete and search the data.

## Design of Output Screen & Reports

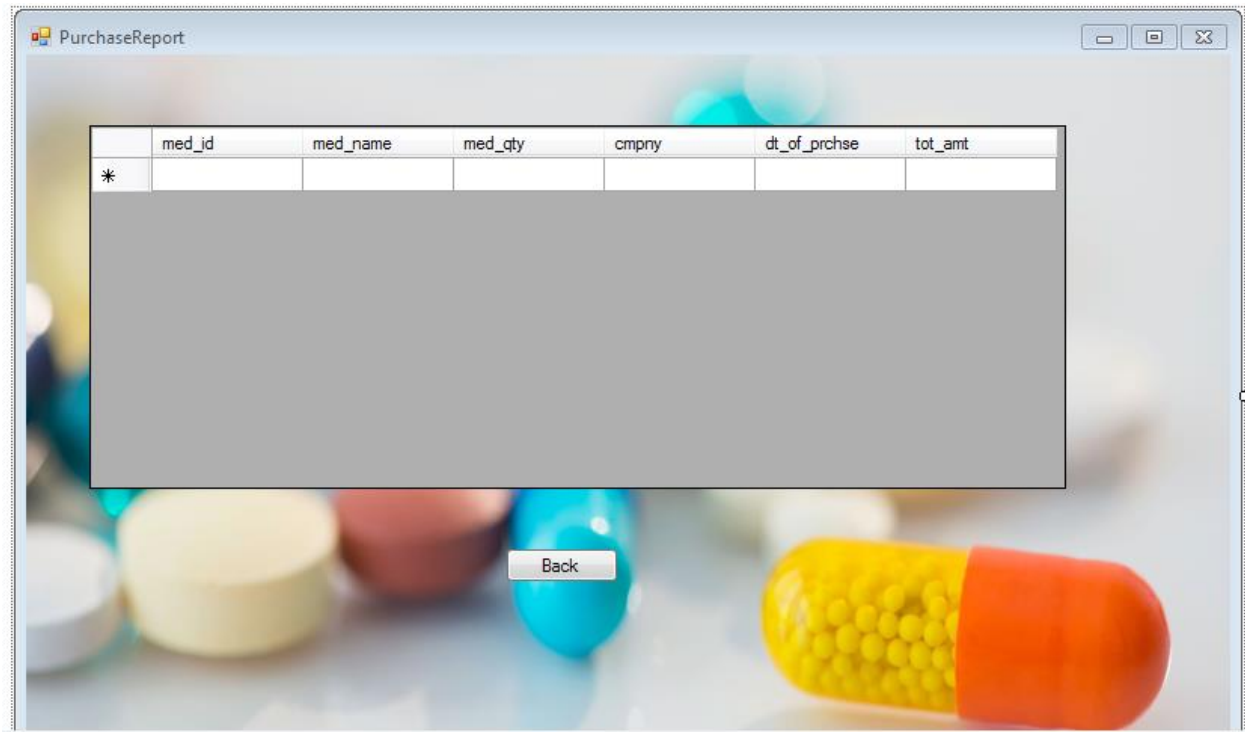


### DESCRIPTION:

This is MDI form and it shows the tool strip to open other form of the system.



## REPORT



### DESCRIPTION:

This is Purchase Report.



	bill_id	patient_name	med_dose	med_name	dt_of_sale	med_price
*						

Back

DESCRIPTION:

This is Sales Report.

## Testing Procedures & Implementation Phases

The testing is the process to check the program and find the errors.

There are basic three type of testing

1. Code testing
2. Specification Testing
3. Unit Testing

### 1. Coding Testing:

The Code testing strategy examines the login of program.

### 2. Specification Testing:

The specification testing Provide specification per user Requirement.

### 3. Unit testing:s

All Modules are tested and they work smoothly and properly in this testing.

## Implementation:

- Proposed system need less man power and provides information on time.
- Save data entry duplication work. It also provides the locking system and password.

## Limitation

- User must have computer knowledge.
- MS SQL Server database is used as the back-end .so, the data type of the input data must be compatible with data types supported by MS SQL Server.
- It is Desktop application.

## Conclusion

- System help to store all the data about the customer order in computer and there is no need to do paper work.
- This is one integrated system that contains the user component.
- Here concept it has involved detail knowledge of computer and various process of the system development.
- This system is very much helpful and paperless work.

## Proposed Enhancement

- It can be integrated with the web for universal access

## Bibliography

This refers to the books. we go through for completion of this project report.

- System Analysis, design and introduction to software engineering.
- Self-study VB.net
- Microsoft SQL server