

# **HOSPITAL MANAGEMENT SYSTEM(HMS)**

# Presentation Layout

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# Introduction

- ❑ Hospital is one of the important parts of our life.
- ❑ We can admit any time for disease in a hospital.
- ❑ For this purpose we are prepared to make project in C language.
- ❑ We have tried to implement all features of a complete registration and inventory system

# Motivation

- ❑ **HMS** helps us to the registration and inventory which we select.
- ❑ It plays an important role in our real life but it is quite difficult to use paper based task.
- ❑ Paper based task also error prone and difficult to manage.
- ❑ We wish to make error free and efficient computer based **HMS** to the registration of a patient or employee and inventory task.

# Objectives

- ▣ Mainly it helps us to the registration and the inventory without paper works.
- ▣ In this project , we know how the registration and the inventory works in the HMS.

# Development Process

- ▣ The development process composed of 5 steps:
  - ▣ Problem Definition
  - ▣ Requirement Analysis
  - ▣ Design
  - ▣ Implementation
  - ▣ Testing

# Dev. Process—Problem Definition:

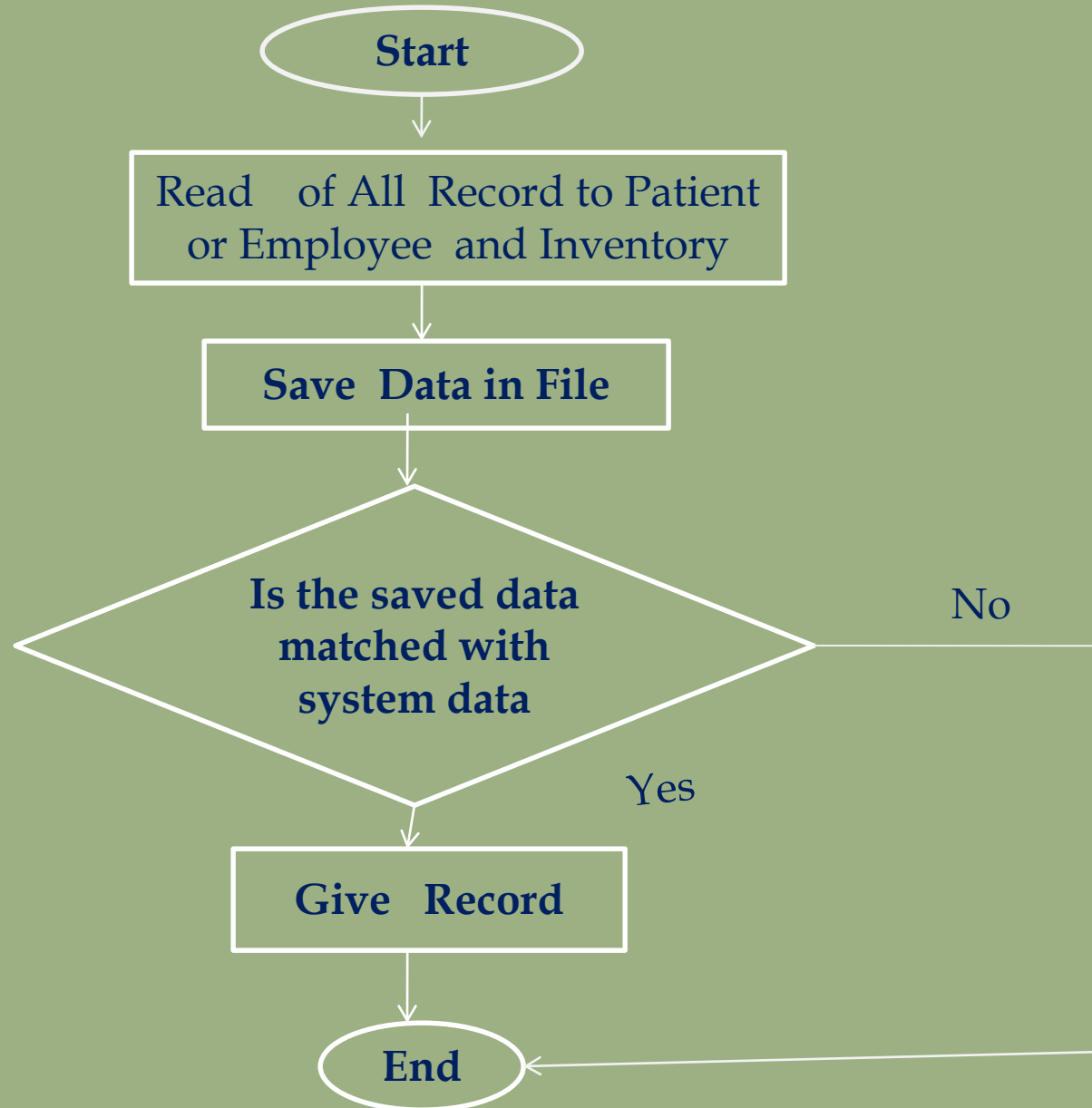
- ▣ The project works for the fulfillment of the following features---
- ▣ Adding new record .
- ▣ Modifying any record.
- ▣ Searching a record .
- ▣ To show all record.
- ▣ Delete a record.
- ▣ About to HMS.
- ▣ Password to enrich security.
- ▣ Back from the current menu .
- ▣ Exit from the HMS.

# Dev. Process—Requirement Analysis:

SL No.	Name of Requirements	Requirements Details
01.	<b>Add</b> New Entry	Adding New Record of Patient or Employee and Inventory
02.	<b>Modify</b> Any Entry	Modifying Any Record of Patient or Employee and Inventory
03.	<b>Search</b> Any Entry	Searching Any Record of Patient or Employee and Inventory
04.	<b>View</b> All Record	Viewing All Record of Patient or Employee and Inventor
05.	<b>Delete</b> Any Record	Delete Any Record of Patient or Employee and Inventory
06.	<b>About</b> of HMS	Showing About the Project of <b>HMS</b>
07.	Password	Set Password for Authentication
08.	<b>Back</b> Menu	Back From the Current Menu in the <b>HMS</b>
09.	<b>Exit</b>	Exit From the Current Menu in the <b>HMS</b>



# Dev. Process—System Flowchart:



# Dev. Process—Implementation:

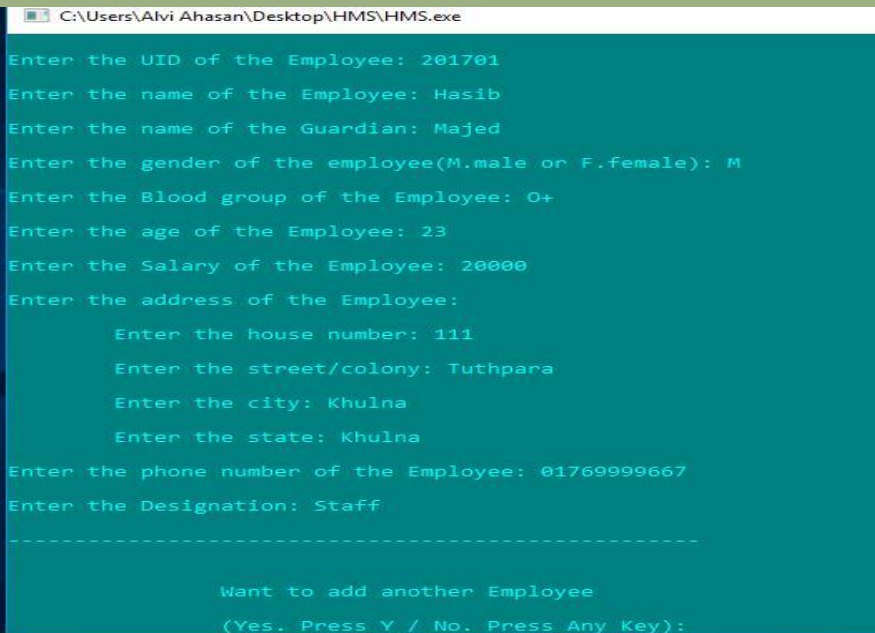
- ❑ Input any record from user in several parts of patient or employee and inventory item.
- ❑ Read all the record from the different txt file and show on the console, of the patients or the employees and Inventory item that is input from the user .
- ❑ To modify can any record to file from the user on the console.
- ❑ To search can any record to file from the user on the console.
- ❑ To show all record from the different file on the console.
- ❑ To delete any record from the file .
- ❑ We can back from any menu to previous menu.
- ❑ We can exit from any menu .

# Dev. Process—Implementation:

- ▣ We can sign up and log in .
- ▣ If we go log in menu without sign up then we can back first menu.
- ▣ When we wrong choose then we can back previous menu.
- ▣ When we choose exit option :
  1. Yes (press one then we can exit)
  2. No (press two then we can back main menu.

# Dev. Process—Testing:

- Input of a employee to record with some data (ID, name, guardian name, gender , blood group , age , salary , address , phone no. and designation ).
- Input of a patient to record the same way to employee with some data (ID, name, guardian name, gender, blood group , age , address ,phone no. ,treatment record ,reference Dr name and current treatment record to modify ).

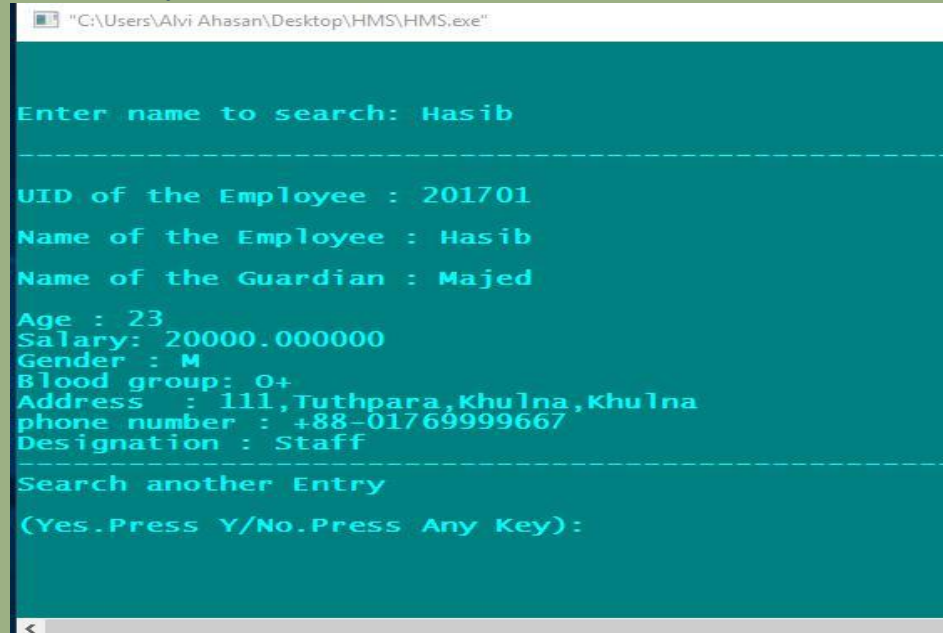


```
C:\Users\Alvi Ahasan\Desktop\HMS\HMS.exe

Enter the UID of the Employee: 201701
Enter the name of the Employee: Hasib
Enter the name of the Guardian: Majed
Enter the gender of the employee(M.male or F.female): M
Enter the Blood group of the Employee: O+
Enter the age of the Employee: 23
Enter the Salary of the Employee: 20000
Enter the address of the Employee:
    Enter the house number: 111
    Enter the street/colony: Tuthpara
    Enter the city: Khulna
    Enter the state: Khulna
Enter the phone number of the Employee: 01769999667
Enter the Designation: Staff
-----
Want to add another Employee
(Yes. Press Y / No. Press Any Key):
```

[Fig: To input of employee record option]

- Output of a employee to record with search some data (ID, name, guardian name, gender , blood group , age , salary , address , phone no. and designation ).
- Output of a patient to record with search the same way to employee with some data (ID, name, guardian name, gender, blood group , age , address ,phone no. ,treatment record ,reference Dr name and current treatment record to modify ).



```
"C:\Users\Alvi Ahasan\Desktop\HMS\HMS.exe"

Enter name to search: Hasib
-----
UID of the Employee : 201701
Name of the Employee : Hasib
Name of the Guardian : Majed
Age : 23
Salary: 20000.000000
Gender : M
Blood group: O+
Address : 111,Tuthpara,Khulna,Khulna
phone number : +88-01769999667
Designation : Staff
-----
Search another Entry
(Yes.Press Y/No.Press Any Key):
```

[Fig: To output of employee record option]

# Dev. Process—Testing:

- Input of a inventory item to record with some data(item name, record date, quantity of item, price of one item and show total amount of the item.

```
"C:\Users\Alvi Ahasan\Desktop\HMS\HMS.exe"

Enter the name of the item to modify: Napa
Enter the new name of the Item: Napa
Enter the new Date of purchase: 1/10/17
Enter the new Quantity of the Item: 10
Enter the new price of One Item: 5
The new amount of 10 Napa is = 50.000000
-----
Modify another Record
(Yes.Press Y/No.Press Any Key):
```

- Input of another inventory item to record with some data(item name, record date, quantity of item, price of one item and show total amount of the item

```
Select "C:\Users\Alvi Ahasan\Desktop\HMS\HMS.exe"

Enter the Name of the Item: Paracetamol
Enter the Date of purchase: 1/10/2017
Enter the Quantity of the Item: 5
Enter the price of One Item: 2.5
The amount of 5 Paracetamol is = 12.500000
-----
Want to add another Item
(Yes.Press Y/No.Press Any Key):
```

- Output of all inventory item to record with some data(item name, record date, quantity of item, price of one item and show total amount of the item.

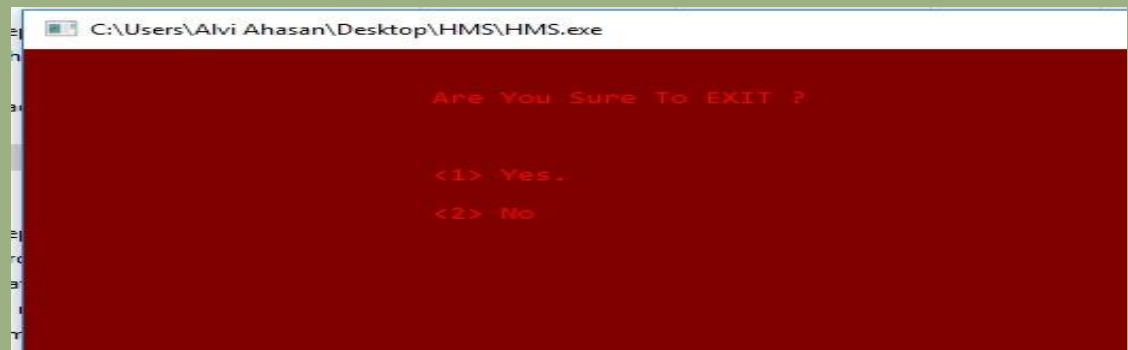
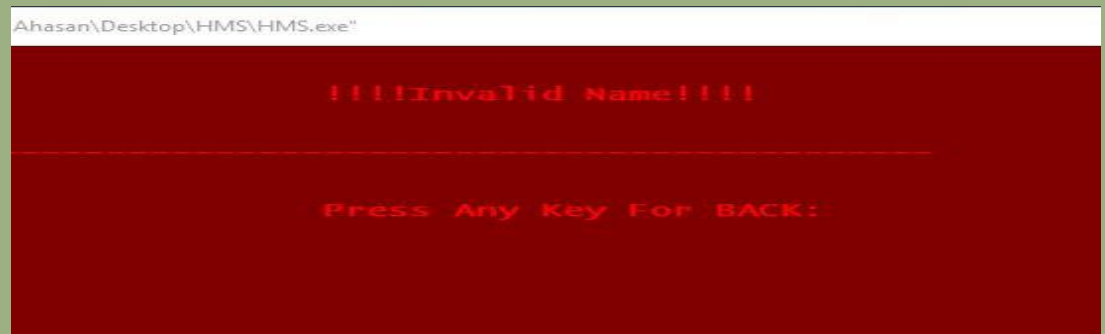
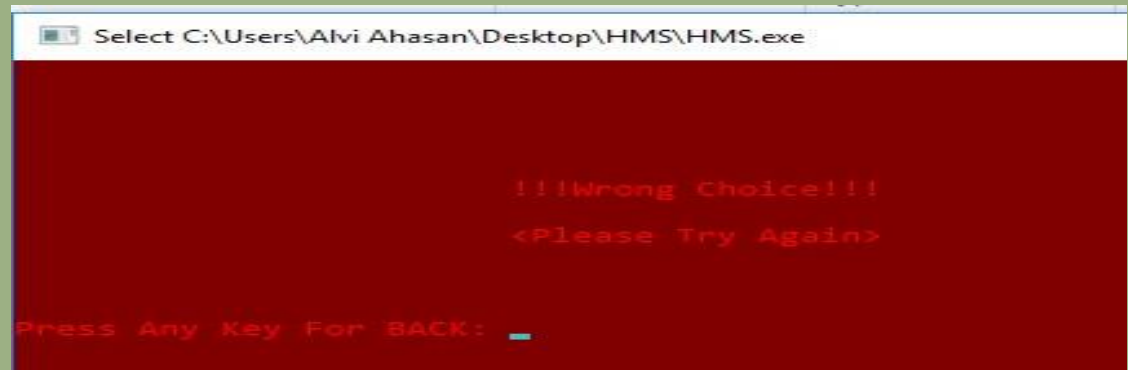
```
"C:\Users\Alvi Ahasan\Desktop\HMS\HMS.exe"

Enter the Name of the Item: Paracetamol
Enter the Date of purchase: 1/10/2017
Enter the Quantity of the Item: 5
Enter the price of One Item: 2.5
The amount of 5 Paracetamol is = 12.500000
-----
Want to add another Item
(Yes.Press Y/No.Press Any Key): y

Enter the Name of the Item: Napa Extra
Enter the Date of purchase: 1/10/2017
Enter the Quantity of the Item: 5
Enter the price of One Item: 5
The amount of 5 Napa is = 25.000000
-----
Want to add another Item
(Yes.Press Y/No.Press Any Key):
```

# Dev. Process—Testing:

- If we choose any wrong option then show this output.
- To search any record if we write any wrong name then show this output .
- When we choose the option for exit from any menu then show this option.



# Benifits:

- ❑ To make a better offline Hospital Management interface.
- ❑ Easy to operate.
- ❑ It is less time consuming.
- ❑ Very effective in offline hospital management application.
- ❑ It is more faster, error free and reliable.

# Limitations:

- ▣ File System not secured at all.
- ▣ Some unwanted file operation error might not be shown.
- ▣ A thread operation not perform thus project may not work properly sometimes.



# Conclusion:

- ▣ The project “Hospital Management System” is a complete, decent solution for hospital management application.
- ▣ We are working for further development of this application and on that note, we come the end of the project.
- ▣ We are not yet experience system analyst but we are confident enough to announce that our Hospital Management application works better.

**THANK YOU**