



# Data Structure & Algorithm 2CS301

Innovative Assignment

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# MEDICAL STORE MANAGEMENT SYSTEM

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# OVERVIEW

- ❖ Medical management system project is just a console application designed for medicine, user and sales.
- ❖ This medical store management system includes basic function that gives user different choices - >
  - Buy medicine
  - Search medicine
  - See all medicines available
  - Display final bill
- This also provides services to admin as follow - >
  - Add medicine to stock
  - Remove medicine from store
  - Display all sales
  - Display all medicines
  - Display all user data
  - Search a medicine

# TECH STACK USED

- ◆ Medical management system project is just a console application designed for medicine, user and sales. this project mainly use binary search tree and file handling to perform basic operations like how to insert, delete, and display records using binary search tree.
- ◆ Used data structures :
- ◆ Binary search tree (BST)
- ◆ String
- ◆ Arrays
- ◆ Pointers
- ◆ File handling



# Screen shorts of output

```
*****
```

```
Project done by :)
```

```
21BCE163 PRINCE NASIT
```

```
21BCE162 NANGESH DEVU
```

```
=====
```

```
Welcome to Medical Stote
```

```
=====
```

```
1. Admin section
```

```
2. User section
```

```
3. Exit
```

```
Press: 1
```

```
Please enter a password to login to the account: DSA
```

```
Welcome to the admin section...
```

```
1. Add a new stock
```

```
2. Display all medicines
```

```
3. Remove the medicine
```

```
4. Search any medicine
```

```
5. Display all the sales
```

```
6. Show user data
```

```
7. Exit
```

Press: 1

How many medicine data you want to add to the store: 3

Enter name of medicine: rolex

Enter price of medicine: 12

Enter units of medicine: 56

Enter expiry date of medicine: 15-06-2045

Enter name of medicine: focerin

Enter price of medicine: 7

Enter units of medicine: 35

Enter expiry date of medicine: 12-09-2024

Enter name of medicine: worxen

Enter price of medicine: 13

Enter units of medicine: 45

Enter expiry date of medicine: 13-05-2028

1. Add a new stock

2. Display all medicines

3. Remove the medicine

4. Search any medicine

5. Display all the sales

6. Show user data

7. Exit

Press: 2

Name	Price	Units	Expiry date	Sales
------	-------	-------	-------------	-------

# carlos	13	56	14-08-2035	0
----------	----	----	------------	---

# diolord	25	40	01-03-2050	0
-----------	----	----	------------	---

Press: 2

Name	Price	Units	Expiry date	Sales
------	-------	-------	-------------	-------

# carlos	13	56	14-08-2035	0
----------	----	----	------------	---

# diolord	25	40	01-03-2050	0
-----------	----	----	------------	---

# erichy	16	78	12-12-2039	0
----------	----	----	------------	---

# focerin	7	35	12-09-2024	0
-----------	---	----	------------	---

# keralox	10	80	02-10-2040	0
-----------	----	----	------------	---

# miomio	20	65	23-06-2032	0
----------	----	----	------------	---

# paracitamol	12	55	12-08-2036	0
---------------	----	----	------------	---

# rolex	12	56	15-06-2045	0
---------	----	----	------------	---

# worxen	13	45	13-05-2028	0
----------	----	----	------------	---

1. Add a new stock

2. Display all medicines

3. Remove the medicine

4. Search any medicine

5. Display all the sales

6. Show user data

7. Exit

Press: 4

Enter the name of medicine: diolord

Name	Price	Units	Expiry date	Sales
------	-------	-------	-------------	-------

diolord	25	40	01-03-2050	
---------	----	----	------------	--

If you want to buy any medicine please press 1 otherwise 2: 1

Please enter the name of the medicine to buy:keralox

Please enter the units to buy medicine: 12

Enter your name: Prince

Enter your age: 18

Enter date: 20-11-2022

Our services are:

	Name	Price	Qauntity	Expiry date
#carlos	13	56		14-08-2035
#diolord	25	40		01-03-2050
#erichy	16	78		12-12-2039
#focerin	7	35		12-09-2024
#keralox	10	68		02-10-2040
#miomio	20	65		23-06-2032
#paracitamol	12	55		12-08-2036
#rolex	12	56		15-06-2045
#worxen	13	45		13-05-2028

If you want to buy any medicine please press 1 otherwise 2: 1

Please enter the name of the medicine to buy:erichy

Please enter the units to buy medicine: 12

Enter your name: Raj

Enter your age: 25

Enter date: 12-12-2023

Our services are:

If you want to buy any medicine please press 1 otherwise 2: 1  
Please enter the name of the medicine to buy:miomio  
Please enter the units to buy medicine: 7  
Enter your name: Prince

1. Buy a medicine
2. See a price of a medicine
3. Display all the medicines
4. Display final bill
5. Exit

Press: 1

How many items you want to buy: 2

Our services are:

	Name	Price	Qauntity	Expiry date
#carlos	13	56	14-08-2035	
#diolord	25	40	01-03-2050	
#erichy	16	66	12-12-2039	
#focerin	7	35	12-09-2024	
#keralox	10	68	02-10-2040	
#miomio	20	58	23-06-2032	
#paracitamol	12	55	12-08-2036	
#rolex	12	56	15-06-2045	
#worxen	13	45	13-05-2028	

If you want to buy any medicine please press 1 otherwise 2: 1  
Please enter the name of the medicine to buy:focerin  
Please enter the units to buy medicine: 10

Welcome to the admin section...

1. Add a new stock
2. Display all medicines
3. Remove the medicine
4. Search any medicine
5. Display all the sales
6. Show user data
7. Exit

Press: 5

Medicine	price	client	sales
# keralox	10	Prince	260
miomio	20		
# erichy	16	Raj	192
# focerin	7	Ravi	570
miomio	20		

1. Add a new stock
2. Display all medicines
3. Remove the medicine
4. Search any medicine
5. Display all the sales
6. Show user data
7. Exit



Press: 6

Medicines	Name	Age	Buy date	Buys
-----------	------	-----	----------	------

# keralox	Prince	18	20-11-2022	2
miomio				

# erichy	Raj	25	12-12-2023	1
----------	-----	----	------------	---

# focerin	Ravi	35	13-12-2023	2
miomio				

1. Add a new stock
2. Display all medicines
3. Remove the medicine
4. Search any medicine
5. Display all the sales
6. Show user data
7. Exit

Press: 7

1. Admin section
2. User section
3. Exit

Press: 2

Welcome to medical store:

1. Buy a medicine
2. See a price of a medicine
3. Display all the medicines
4. Display final bill
5. Exit

Press: 4

Enter your name: Prince

=====

Medical Bill

=====

Date : 20-11-2022

Name : Prince

Age : 18

Your order details:

Total Purchased items: 2

Your orders:

Medicines	Fairs
keralox	120
miomio	140

\*\*\*\*\*

Total payments = 260

Press: 4

Enter your name: Ravi

```
=====
                        Medical Bill
=====
```

Date : 13-12-2023

Name : Ravi

Age : 35

Your order details:

Total Purchased items: 2

Your orders:

Medicines	Fairs
focerin	70
miomio	500

\*\*\*\*\*

Total payments = 570

1. Buy a medicine
2. See a price of a medicine
3. Display all the medicines
4. Display final bill
5. Exit

Press: 5

THANK YOU