USER MANUAL: HOSPITAL MANAGEMENT SYSTEM

1. When clicking on the app, the loading page will be as below.

```
WELCOME TO HOSPITAL MANAGEMENT SYSTEM!


Loading...

[          ]
```
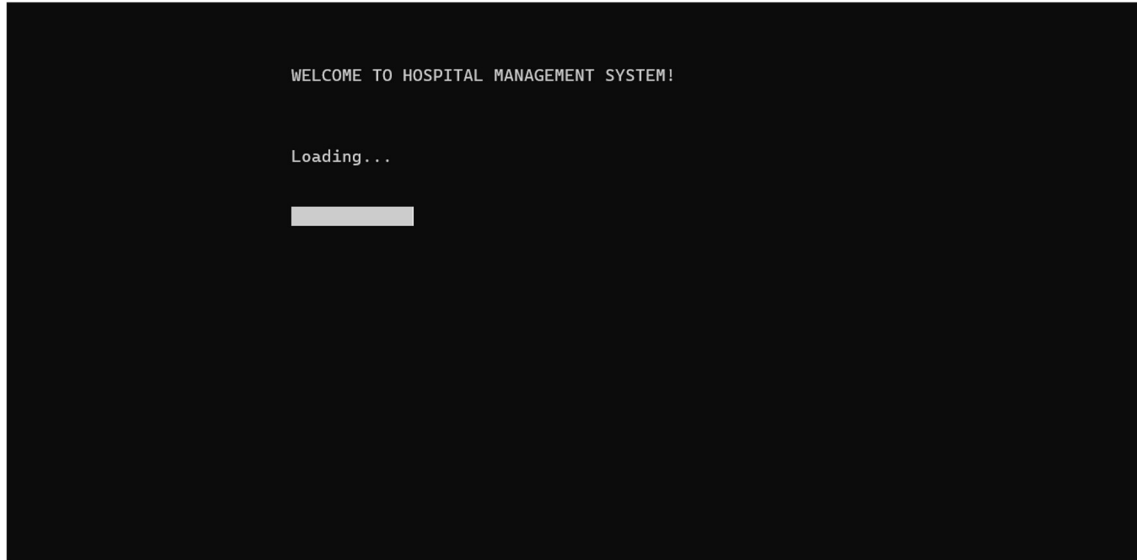
2. After loading, main menu will be shown.

```
Hospital Management System

<<MAIN PAGE>>
[1] Add new patient
[2] Delete patient
[3] Search patient
[4] Sort patient
[5] Display patient list
[6] Edit patient info
[7] Logout

Option:
```

3. When the user input 1 and enter, the add new patient option page will be shown as below

```
<<ADD NEW PATIENT>>
[1] Insert record
[2] Back

Option: 1


---Enter patient details---
Name: David
IC: 011111110567
Age: 18
Gender: Male
Contact Number: 01111111111
Disease: Disease2
Diagnosed Date: 20/8/2023

Patient added successfully!
```

The output will be shown in txt after logout from the system.

```
Ali bin Abu|020917052131|21|Male|01319972345|Disease1|23/12/2023
Sabrina|971010012234|26|Female|0126672318|Disease2|20/11/2023
Lim Ching Chong|031209151097|20|Male|01110952318|Disease3|19/10/2023
Sakura Imoto|071109191177|17|Female|01215552481|Disease2|11/10/2023
Chloe Lee|000321070045|23|Female|01719972345|Disease4|07/09/2023
joan lee|030917092345|20|Female|0121234567|Disease5|12/11/2023
Davie|111011130111|13|Male|0191234567|Diarrhea|19/2/2023
Joseph|0111111131111|15|Male|01110123456|Fever|19/2/2023
David|011111110567|18|Male|01111111111|Disease2|20/8/2023
```

4. Option 2: Delete Patient

```
<<DELETE PATIENT>>
Enter patient name to delete:
```

Input the patient name that user wants to delete:

```
<<DELETE PATIENT>>
Enter patient name to delete: Joseph

Patients with the specified name:

Patient Details:
Name: Joseph
IC: 0111111131111
Age: 15
Gender: Male
Contact Number: 01110123456
Disease: Fever
Diagnosed Date: 19/2/2023
-------------------------------

Are you sure you want to delete these patients? (Y/N): Y
```

After entering Y, the txt file will be updated after the system logout:

```
Ali bin Abu|020917052131|21|Male|01319972345|Disease1|23/12/2023
Sabrina|971010012234|26|Female|0126672318|Disease2|20/11/2023
Lim Ching Chong|031209151097|20|Male|01110952318|Disease3|19/10/2023
Sakura Imoto|071109191177|17|Female|01215552481|Disease2|11/10/2023
Chloe Lee|000321070045|23|Female|01719972345|Disease4|07/09/2023
joan lee|030917092345|20|Female|0121234567|Disease5|12/11/2023
Davie|111011130111|13|Male|0191234567|Diarrhea|19/2/2023
David|011111110567|18|Male|01111111111|Disease2|20/8/2023
```

5. Option 3: Search patient by name/IC/disease:

```
<<SEARCH PATIENT>>
[1] Search by name
[2] Search by IC
[3] Search by disease
[4] Back

Option:
```

For example, when user inputs option 1, they will input the patient name and then the system will show out the patient details based on the name input as below example.

```
<<SEARCH PATIENT>>
[1] Search by name
[2] Search by IC
[3] Search by disease
[4] Back

Option: 1

Enter search keyword: joan lee

Patient Found:

Patient Details:
Name: joan lee
IC: 030917092345
Age: 20
Gender: Female
Contact Number: 0121234567
Disease: Disease5
Diagnosed Date: 12/11/2023
Press any key to continue . . .
```

If user search by IC, the output will be as below

```
<<SEARCH PATIENT>>
[1] Search by name
[2] Search by IC
[3] Search by disease
[4] Back

Option: 2

Enter search keyword: 971010012234
```

```
<<SEARCH PATIENT>>
[1] Search by name
[2] Search by IC
[3] Search by disease
[4] Back

Option: 2

Enter search keyword: 971010012234

Patient Found:

Patient Details:
Name: Sabrina
IC: 971010012234
Age: 26
Gender: Female
Contact Number: 0126672318
Disease: Disease2
Diagnosed Date: 20/11/2023
Press any key to continue . . .
```

```
<<SEARCH PATIENT>>
[1] Search by name
[2] Search by IC
[3] Search by disease
[4] Back

Option: 3

Enter search keyword: Disease1
```

6. User chooses Option 4 Sorting, a menu of sorting based on the user name, IC and disease will be shown

```
<<SORT PATIENT>>
[1] Sort by name
[2] Sort by IC
[3] Sort by disease
[4] Back

Option:
```

The below example is sorting the patient details according to the disease which is option 3 inside the menu:

```
<<SORT PATIENT>>
[1] Sort by name
[2] Sort by IC
[3] Sort by disease
[4] Back

Option:
3

Patient list sorted by disease.

Patient Record:
```

Name	IC	Age	Gender	Contact Number	Disease	Diagnosed Date
	111011130111	13	Male	0191234567	Diarrhea	19/2/2023
Davie	111011130111	13	Male	0191234567	Diarrhea	19/2/2023
Ali bin Abu	020917052131	21	Male	01319972345	Disease1	23/12/2023
	011111110567	18	Male	01111111111	Disease2	20/8/2023
David	011111110567	18	Male	01111111111	Disease2	20/8/2023
Sakura Imoto	071109191177	17	Female	01215552481	Disease2	11/10/2023
Sabrina	971010012234	26	Female	0126672318	Disease2	20/11/2023
Lim Ching Chong	031209151097	20	Male	01110952318	Disease3	19/10/2023
Chloe Lee	000321070045	23	Female	01719972345	Disease4	07/09/2023
joan lee	030917092345	20	Female	0121234567	Disease5	12/11/2023
	0111111131111	15	Male	01110123456	Fever	19/2/2023
Joseph	0111111131111	15	Male	01110123456	Fever	19/2/2023

```
Press any key to continue . . .
```

7. When user chooses Opt 5:Display patient, a list of patients with their details will be shown as below after the user chooses option 1 inside that menu:

```
<<DISPLAY PATIENT>>
[1] Display list
[2] Back

Option: 1

Patient Record:

Name                    IC            Age  Gender    Contact Number   Disease            Diagnosed Date
--------------------------------------------------------------------------------------------------------
                        111011130111  13   Male      0191234567       Diarrhea           19/2/2023
Davie                   111011130111  13   Male      0191234567       Diarrhea           19/2/2023
Ali bin Abu             020917052131  21   Male      01319972345      Disease1           23/12/2023
                        011111110567  18   Male      01111111111      Disease2           20/8/2023
David                   011111110567  18   Male      01111111111      Disease2           20/8/2023
Sakura Imoto            071109191177  17   Female    01215552481      Disease2           11/10/2023
Sabrina                 971010012234  26   Female    0126672318       Disease2           20/11/2023
Lim Ching Chong         031209151097  20   Male      01110952318      Disease3           19/10/2023
Chloe Lee               000321070045  23   Female    01719972345      Disease4           07/09/2023
joan lee                030917092345  20   Female    0121234567       Disease5           12/11/2023
                        0111111131111 15   Male      01110123456      Fever              19/2/2023
Joseph                  0111111131111 15   Male      01110123456      Fever              19/2/2023
Press any key to continue . . .
```

8. When the user wants to edit the patient information, they choose the option 6,User will have a patient detail list shown below

```
Patient Record:

Name                    IC            Age  Gender    Contact Number   Disease            Diagnosed Date
--------------------------------------------------------------------------------------------------------
                        111011130111  13   Male      0191234567       Diarrhea           19/2/2023
Davie                   111011130111  13   Male      0191234567       Diarrhea           19/2/2023
Ali bin Abu             020917052131  21   Male      01319972345      Disease1           23/12/2023
                        011111110567  18   Male      01111111111      Disease2           20/8/2023
David                   011111110567  18   Male      01111111111      Disease2           20/8/2023
Sakura Imoto            071109191177  17   Female    01215552481      Disease2           11/10/2023
Sabrina                 971010012234  26   Female    0126672318       Disease2           20/11/2023
Lim Ching Chong         031209151097  20   Male      01110952318      Disease3           19/10/2023
Chloe Lee               000321070045  23   Female    01719972345      Disease4           07/09/2023
joan lee                030917092345  20   Female    0121234567       Disease5           12/11/2023
                        0111111131111 15   Male      01110123456      Fever              19/2/2023
Joseph                  0111111131111 15   Male      01110123456      Fever              19/2/2023
Press any key to continue . . .
```

Then user inputs the name of the patient they want to edit the information with, and choose what data they want to edit the option, the example is edit the name of the patient:

```
Enter the name of the patient to edit: Davie

Patient Found:

Patient Details:
Name: Davie
IC: 11101130111
Age: 13
Gender: Male
Contact Number: 0191234567
Disease: Diarrhea
Diagnosed Date: 19/2/2023

What would you like to edit?
[1] Name
[2] IC
[3] Age
[4] Gender
[5] Contact Number
[6] Disease
[7] Diagnosed Date
Option: 1
Enter new name: Davie wong

Patient info updated successfully!
Press any key to continue . . .
```

9. If the users input option 7, the system will be logged out.

```
Hospital Management System

<<MAIN PAGE>>
[1] Add new patient
[2] Delete patient
[3] Search patient
[4] Sort patient
[5] Display patient list
[6] Edit patient info
[7] Logout

Option: 7


You have successfully logged out!
Press any key to continue . . .
```