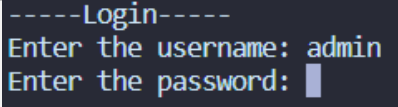
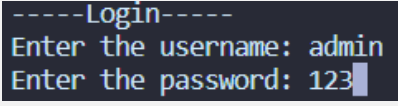
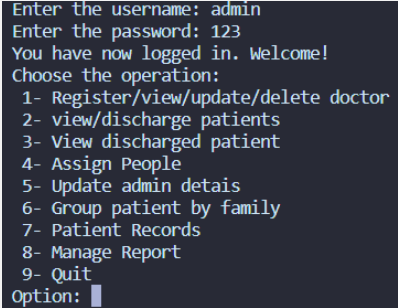


TEST CASE 1: SUCCESSFUL ADMIN LOG-IN.

Test Case ID	Software Feature	Steps	Expected	Actual Result	Passed/Failed
1	Successful Admin Login	<ol style="list-style-type: none"> Run "Main.py" File. Enter "admin" in the text prompt "Enter the username:" Enter "123" in the text prompt "Enter the password:" 	<ul style="list-style-type: none"> The System starts successfully after running "Main.py" and will ask for the username. After asking for the username the program will ask for the password. After the user enters the password, the program will display a list of operations, and ask the user to provide the option ID present. 	  	Passed

TEST CASE 2: DOCTOR REGISTRATION.

Test Case ID	Software Feature	Steps	Expected	Actual Result	Passed/Failed
2	Doctor Registration	<ol style="list-style-type: none"> Run "Main.py" File. Successful login. Enter option: "1" in the text prompt "Option:" Then again enter "1" in the text format "input:" Enter "Manjil" in the text prompt "Enter the first name:" Enter "Budhathoki" in the text prompt "Enter the Surname:" 	<ul style="list-style-type: none"> The System starts successfully after running "Main.py" and will ask for the username & password. After successful login, the program will show the main menu with 9 options. After entering option 1 in the main menu, the program will show the doctor management menu. After entering input 1 in the doctor management menu, the program will ask for the new first name. 	<pre> -----Login----- Enter the username: admin Enter the password: 123 You have now logged in. Welcome! You have now logged in. Welcome! Choose the operation: 1- Register/view/update/delete doctor 2- view/discharge patients 3- View discharged patient 4- Assign People 5- Update admin details 6- Group patient by family 7- Patient Records 8- Manage Report 9- Quit Option: 1 -----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete Input: 1 -----Register----- Enter the doctor's details: Enter the first name: manjil Enter the surname: -----Register----- Enter the doctor's details: Enter the first name: manjil Enter the surname: budhathoki Enter the Speciality: </pre>	Passed

		<p>7. Enter "Heart" in the text prompt "Enter the specialty:"</p>	<ul style="list-style-type: none">▪ After taking the first name, the program will ask for a new surname.▪ After taking the surname, the program will ask for a new Specialty.▪ After taking a specialty, the program will display a message saying "Doctor registered."	<pre>-----Register----- Enter the doctor's details: Enter the first name: manjil Enter the surname: budhathoki Enter the Speciality: Heart</pre> <pre>-----Register----- Enter the doctor's details: Enter the first name: manjil Enter the surname: budhathoki Enter the Speciality: Heart Doctor registered.</pre>	
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TEST CASE 3: View Doctors.

Test Case ID	Software Feature	Steps	Expected	Actual Result	Passed/Failed
3	View Doctors	<ol style="list-style-type: none"> Run "Main.py" File. Successful login. Enter option: "1" in the text prompt "Option:" Then again enter "2" in the text format "input:" 	<ul style="list-style-type: none"> The System starts successfully after running "Main.py" and will ask for the username & password. After successful login, the program will show the main menu with 9 options. After entering option 1 in the main menu, the program will show the doctor management menu. 	<pre> -----Login----- Enter the username: admin Enter the password: 123 You have now logged in. Welcome! You have now logged in. Welcome! Choose the operation: 1- Register/view/update/delete doctor 2- view/discharge patients 3- View discharged patient 4- Assign People 5- Update admin details 6- Group patient by family 7- Patient Records 8- Manage Report 9- Quit Option: 1 -----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete Input: 2 </pre>	Passed

- After entering input 2 in the doctor management menu, the program will display a list of doctors with their ID, Full Name, and Specialty and will display the main menu again.

```
-----List of Doctors-----
ID | Full name | Specialty
1 | John Smith | Internal Med.
2 | Jone Smith | Pediatrics
3 | Jone Carlos | Cardiology
4 | manjil budhathoki | Heart
```

```
-----List of Doctors-----
ID | Full name | Specialty
1 | John Smith | Internal Med.
2 | Jone Smith | Pediatrics
3 | Jone Carlos | Cardiology
4 | Manjil Budhathoki | Heart
Choose the operation:
1- Register/view/update/delete doctor
2- view/discharge patients
3- View discharged patient
4- Assign People
5- Update admin details
6- Group patient by family
7- Patient Records
8- Manage Report
9- Quit
Option: █
```

TEST CASE 4: Updating doctor's First name.

Test Case ID	Software Feature	Steps	Expected	Actual Result	Passed/Failed
4	Updating doctor's first name	<ol style="list-style-type: none"> Run "Main.py" File. Successful login. Enter option: "1" in the text prompt "Option:" Then again enter "3" in the text format "input:" Enter "4" in the text prompt "Enter the ID of the doctor:" 	<ul style="list-style-type: none"> The System starts successfully after running "Main.py" and will ask for the username & password. After successful login, the program will show the main menu with 9 options. After entering option 1 in the main menu, the program will show the doctor management menu. 	<pre> -----Login----- Enter the username: admin Enter the password: 123 You have now logged in. Welcome! You have now logged in. Welcome! Choose the operation: 1- Register/view/update/delete doctor 2- view/discharge patients 3- View discharged patient 4- Assign People 5- Update admin details 6- Group patient by family 7- Patient Records 8- Manage Report 9- Quit Option: 1 -----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete Input: 3 </pre>	Passed

6. Then Enter "1" in the text prompt "Choose the field to be updated:"

7. Enter "Shankar" in the text prompt "Enter the new first name:"

- After entering input 3 in the doctor management menu, the program will display a list of all doctors and will ask the user to enter the ID of a targeted doctor.
- After taking the doctor ID input, the program will ask to provide the user with the ID of the desired option out of three options.
- After taking 1 in the text prompt "Enter the field to be updated:", the program will ask the user to enter a new first name.
- After taking the new first name, the specified doctor is changed and the program will display the main menu.

```
-----Update Doctor's Details-----
ID | Full name | Speciality
1 | John Smith | Internal Med.
2 | Jone Smith | Pediatrics
3 | Jone Carlos | Cardiology
4 | manjil budhathoki | Heart
Enter the ID of the doctor: 4
```

```
Choose the field to be updated:
1 First name
2 Surname
3 Speciality
Input: 1
```

```
Choose the field to be updated:
1 First name
2 Surname
3 Speciality
Input: 1
```

```
Choose the field to be updated:
1 First name
2 Surname
3 Speciality
Input: 1
Enter the new first name: Shankar
```

```
Enter the new first name: Shankar
Choose the operation:
1- Register/view/update/delete doctor
2- view/discharge patients
3- View discharged patient
4- Assign People
5- Update admin details
6- Group patient by family
7- Patient Records
8- Manage Report
9- Quit
Option: 1
```

TEST CASE 5: Updating doctor's Surname.

Test Case ID	Software Feature	Steps	Expected	Actual Result	Passed/Failed
5	Updating doctor's Surname	<ol style="list-style-type: none"> Run "Main.py" File. Successful login. Enter option: "1" in the text prompt "Option:" Then again enter "3" in the text format "input:" Enter "4" in the text prompt "Enter the ID of the doctor:" 	<ul style="list-style-type: none"> The System starts successfully after running "Main.py" and will ask for the username & password. After successful login, the program will show the main menu with 9 options. After entering option 1 in the main menu, the program will show the doctor management menu. 	<pre> -----Login----- Enter the username: admin Enter the password: 123 You have now logged in. Welcome! You have now logged in. Welcome! Choose the operation: 1- Register/view/update/delete doctor 2- view/discharge patients 3- View discharged patient 4- Assign People 5- Update admin details 6- Group patient by family 7- Patient Records 8- Manage Report 9- Quit Option: 1 -----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete Input: 3 -----Update Doctor's Details----- ID Full name Speciality 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology 4 manjil budhathoki Heart Enter the ID of the doctor: 4 </pre>	Passed

6. Then Enter "2" in the text prompt **"Choose the field to be updated:"**
7. Enter **"Tamang"** in the text prompt **"Enter the new Surname:"**

- After entering input 3 in the doctor management menu, the program will display a list of all doctors and will ask the user to enter the ID of a targeted doctor.
- After taking the doctor ID input, the program will ask to provide the user with the ID of the desired option out of three options.
- After taking 2 in the text prompt "Enter the field to be updated:", the program will ask the user to enter a new surname.
- After taking the new surname, the specified doctor is changed and the program will display the main menu.

```
Choose the field to be updated:
1 First name
2 Surname
3 Speciality
Input: █
```

```
Choose the field to be updated:
1 First name
2 Surname
3 Speciality
Input: 2 █
```

```
3 Speciality
Input: 2
Enter the new surname: Tamang█
```

```
Enter the new surname: Tamang
Choose the operation:
1- Register/view/update/delete doctor
2- view/discharge patients
3- View discharged patient
4- Assign People
5- Update admin details
6- Group patient by family
7- Patient Records
8- Manage Report
9- Quit
Option: █
```

TEST CASE 6: Updating doctor's Speciality.

Test Case ID	Software Feature	Steps	Expected	Actual Result	Passed/Failed
6	Updating doctor's Speciality	<ol style="list-style-type: none"> Run "Main.py" File. Successful login. Enter option: "1" in the text prompt "Option:" Then again enter "3" in the text format "input:" Enter "4" in the text prompt "Enter the ID of the doctor:" 	<ul style="list-style-type: none"> The System starts successfully after running "Main.py" and will ask for the username & password. After successful login, the program will show the main menu with 9 options. After entering option 1 in the main menu, the program will show the doctor management menu. 	<pre> -----Login----- Enter the username: admin Enter the password: 123 You have now logged in. Welcome! You have now logged in. Welcome! Choose the operation: 1- Register/view/update/delete doctor 2- view/discharge patients 3- View discharged patient 4- Assign People 5- Update admin details 6- Group patient by family 7- Patient Records 8- Manage Report 9- Quit Option: 1 -----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete Input: 3 -----Update Doctor's Details----- ID Full name Speciality 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology 4 manjil budhathoki Heart Enter the ID of the doctor: 4 Choose the field to be updated: 1 First name 2 Surname 3 Speciality Input: </pre>	Passed

		<p>6. Then Enter "3" in the text prompt "Choose the field to be updated:"</p> <p>7. Enter "Psychiatry" in the text prompt "Enter the new Speciality:"</p>	<ul style="list-style-type: none"> ▪ After entering input 3 in the doctor management menu, the program will display a list of all doctors and will ask the user to enter the ID of a targeted doctor. ▪ After taking the doctor ID input, the program will ask to provide the user with the ID of the desired option out of three options. ▪ After taking 3 in the text prompt "Enter the field to be updated:", the program will ask the user to enter a new Speciality. ▪ After taking the new Speciality, the specified doctor is changed and the program will display the main menu. 	<pre>Choose the field to be updated: 1 First name 2 Surname 3 Speciality Input: 3 Input: 3 Enter the new speciality: Psychiatry Enter the new speciality: Psychiatry Choose the operation: 1- Register/view/update/delete doctor 2- view/discharge patients 3- View discharged patient 4- Assign People 5- Update admin details 6- Group patient by family 7- Patient Records 8- Manage Report 9- Quit Option: 1</pre>	
--	--	--	--	--	--

TEST CASE 7: Delete Doctor.

Test Case ID	Software Feature	Steps	Expected	Actual Result	Passed/F ailed
7	Delete Doctor	<ol style="list-style-type: none"> Run "Main.py" File. Successful login. Enter option: "1" in the text prompt "Option:" Then again enter "4" in the text format "input:" Enter "4" in the text prompt "Enter the ID of the doctor to be deleted:" 	<ul style="list-style-type: none"> The System starts successfully after running "Main.py" and will ask for the username & password. After successful login, the program will show the main menu with 9 options. After entering option 1 in the main menu, the program will show the doctor management menu. 	<pre> -----Login----- Enter the username: admin Enter the password: 123 You have now logged in. Welcome! You have now logged in. Welcome! Choose the operation: 1- Register/view/update/delete doctor 2- view/discharge patients 3- View discharged patient 4- Assign People 5- Update admin details 6- Group patient by family 7- Patient Records 8- Manage Report 9- Quit Option: 1 -----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete Input: 4 </pre>	Passed

- After entering input 4 in the doctor management menu, the program will display a list of all doctors and will ask the user to enter the ID to be deleted.
- After taking the ID of the doctor to be deleted, the doctor's name will be removed and the program will display the main menu.

```
-----Delete Doctor-----
ID | Full Name | Speciality
1 | John Smith | Internal Med.
2 | Jone Smith | Pediatrics
3 | Jone Carlos | Cardiology
4 | Shankar Tamang | Psychiatry
Enter the ID of the doctor to be deleted: 4
```

```
-----Delete Doctor-----
ID | Full Name | Speciality
1 | John Smith | Internal Med.
2 | Jone Smith | Pediatrics
3 | Jone Carlos | Cardiology
4 | Shankar Tamang | Psychiatry
Enter the ID of the doctor to be deleted: 4
Choose the operation:
1- Register/view/update/delete doctor
2- view/discharge patients
3- View discharged patient
4- Assign People
5- Update admin details
6- Group patient by family
7- Patient Records
8- Manage Report
9- Quit
Option: 1
```

TEST CASE 8: Assigning doctor to patient.

Test Case ID	Software Feature	Steps	Expected	Actual Result	Passed/Failed
8	Assigning Doctor to a patient	<ol style="list-style-type: none"> Run "Main.py" File. Successful login. Enter option: "4" in the text prompt "Option:" Then again enter "1" in the text format "Option:" Enter "1" in the text prompt "Please enter the patient ID:" 	<ul style="list-style-type: none"> The System starts successfully after running "Main.py" and will ask for the username & password. After successful login, the program will show the main menu with 9 options. After entering option 4 in the main menu, the program will show the Assign People menu 	<pre> -----Login----- Enter the username: admin Enter the password: 123 You have now logged in. Welcome! Choose the operation: 1- Register/view/update/delete doctor 2- view/discharge patients 3- View discharged patient 4- Assign People 5- Update admin details 6- Group patient by family 7- Patient Records 8- Manage Report 9- Quit Option: 4 Choose the operation 1- Assign doctor to a patient 2- Assign patient to a doctor option: 1 -----Assign----- Patients----- ID Full Name Doctor's full Name Age Mobile Postcode 1 Sara Smith None 20 09812345678 B1 234 2 Mike Jones None 32 0720000001234 L2 345 3 David Smith None 15 07123456789 C1 ABC Please enter the patient ID: 1 -----Assign----- -----Patients----- ID Full Name Doctor's full Name Age Mobile Postcode 1 Sara Smith None 20 09812345678 B1 234 2 Mike Jones None 32 0720000001234 L2 345 3 David Smith None 15 07123456789 C1 ABC Please enter the patient ID: 1 </pre>	Passed

6. Enter **"Heart"** in the text prompt **"Enter the Symptoms:"**

7. Enter **"1"** in the text prompt **"Please enter the doctor ID:"**

- After entering input 1 in Assign People, the program will display a list of all patients and ask the user to enter the ID of the patient.

- After taking the ID of the patient, the program will ask to enter the symptoms

- After taking the symptoms, the program will display the list of doctors and ask to enter the doctor ID

- After taking the Doctor ID the program will state that the doctor is assigned to the patient and will display the main menu again.

```
-----Doctors Select-----
Select the doctor that fits these symptoms:
Enter the Symptoms: Heart
Heart
```

```
Heart
-----
ID | Full Name | Speciality
1 | John Smith | Internal Med.
2 | Jone Smith | Pediatrics
3 | Jone Carlos | Cardiology
Please enter the doctor ID: 1
```

```
-----
ID | Full Name | Speciality
1 | John Smith | Internal Med.
2 | Jone Smith | Pediatrics
3 | Jone Carlos | Cardiology
Please enter the doctor ID: 1
John Smith
The patient is now assign to the doctor.
```

```
Please enter the doctor ID: 1
John Smith
The patient is now assign to the doctor.
Choose the operation:
1- Register/view/update/delete doctor
2- view/discharge patients
3- View discharged patient
4- Assign People
5- Update admin details
6- Group patient by family
7- Patient Records
8- Manage Report
9- Quit
Option: 1
```

TEST CASE 9: Update Admin Username Details.

Test Case ID	Software Feature	Steps	Expected	Actual Result	Passed/Failed
9	Update Admin Username Details	<ol style="list-style-type: none"> 1. Run "Main.py" File. 2. Successful login. 3. Enter option: "5" in the text prompt "Option:" 4. Then again enter "1" in the text format "Input:" 5. Enter "Manjil" in the text prompt "Enter the new username:" 	<ul style="list-style-type: none"> ▪ The System starts successfully after running "Main.py" and will ask for the username & password. ▪ After successful login, the program will show the main menu with 9 options. ▪ After entering option 5 in the main menu, the program will show the menu field to be updated. 	<pre> -----Login----- Enter the username: admin Enter the password: 123 You have now logged in. Welcome! Choose the operation: 1- Register/view/update/delete doctor 2- view/discharge patients 3- View discharged patient 4- Assign People 5- Update admin details 6- Group patient by family 7- Patient Records 8- Manage Report 9- Quit Option: 5 Choose the field to be updated: 1 Username 2 Password 3 Address Input: 1 2 Password 3 Address Input: 1 Enter the new username: 3 Address Input: 1 Enter the new username: Manjil Enter the new username again: </pre>	Passed

		<p>6. Enter "Manjil" in the text prompt "Enter the new username again:"</p>	<ul style="list-style-type: none">▪ After entering input 1 in the menu field, the program will ask to enter the new username.▪ After taking the new username it will ask again for conformation and after that main menu is displayed	<pre>3- Address Input: 1 Enter the new username: Manjil Enter the new username again: Manjil Username has been updated successfully! Enter the new username: Manjil Enter the new username again: Manjil Username has been updated successfully! Choose the operation: 1- Register/view/update/delete doctor 2- view/discharge patients 3- View discharged patient 4- Assign People 5- Update admin details 6- Group patient by family 7- Patient Records 8- Manage Report 9- Quit Option: █</pre>	
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TEST CASE 10: Update Admin Password Details.

Test Case ID	Software Feature	Steps	Expected	Actual Result	Passed/Failed
10	Update Admin Password Details	<p>7. Run "Main.py" File.</p> <p>8. Successful login.</p> <p>9. Enter option: "5" in the text prompt "Option:"</p> <p>10. Then again enter "2" in the text format "Input:"</p> <p>11. Enter "980" in the text prompt "Enter the new password:"</p> <p>12. Enter</p>	<ul style="list-style-type: none"> The System starts successfully after running "Main.py" and will ask for the username & password. After successful login, the program will show the main menu with 9 options. After entering option 5 in the main menu, the program will show the menu field to be updated. 	<pre> -----Login----- Enter the username: admin Enter the password: 123 You have now logged in. Welcome! Choose the operation: 1- Register/view/update/delete doctor 2- view/discharge patients 3- View discharged patient 4- Assign People 5- Update admin details 6- Group patient by family 7- Patient Records 8- Manage Report 9- Quit Option: 5 Choose the field to be updated: 1 Username 2 Password 3 Address Input: 2 3 Address Input: 2 Enter the new password: 3 Address Input: 2 Enter the new password: 980 Enter the new password again: </pre>	Passed

		<p>"980" in the text prompt "Enter the new Password again:"</p>	<ul style="list-style-type: none">▪ After entering input 2 in the menu field, the program will ask to enter the new password.▪ After taking the new password it will ask again for conformation and after that main menu is displayed	<div>input: 2 Enter the new password: 980 Enter the new password again: 980 Password has been updated successfully.</div> <div>Enter the new password: 980 Enter the new password again: 980 Password has been updated successfully. Choose the operation: 1- Register/view/update/delete doctor 2- view/discharge patients 3- View discharged patient 4- Assign People 5- Update admin details 6- Group patient by family 7- Patient Records 8- Manage Report 9- Quit Option: </div>	
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