

Refugee Registration Database Management

User Manual

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1 Introduction

Upon starting the application, there is an introduction scene followed by the option to select one user type out of three: admin, medical professional, and guest user.



Figure 1: Launch Page

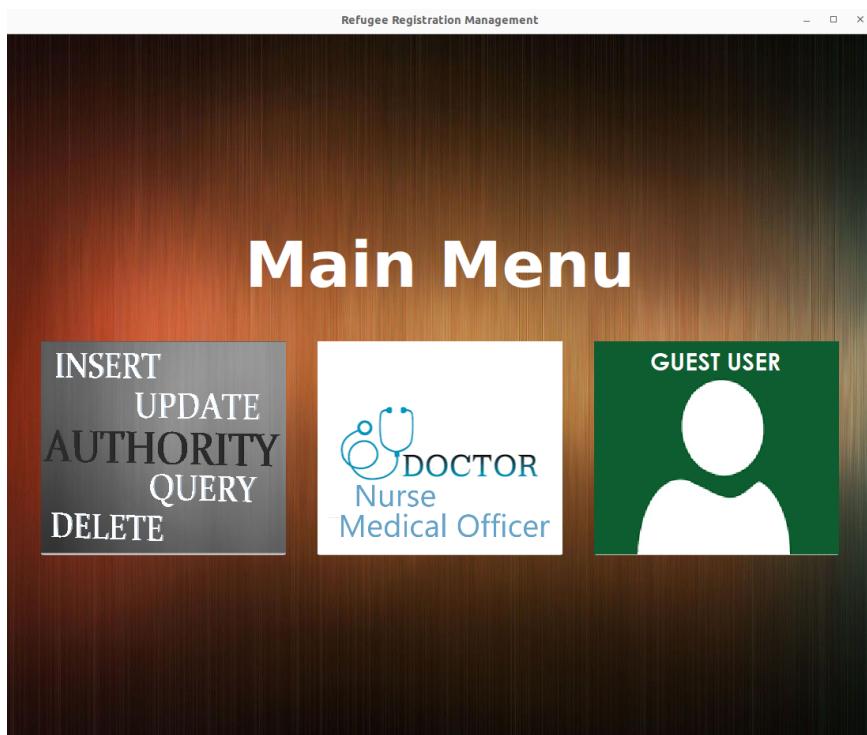


Figure 2: User Selection Page

2 Admin

The admin user needs to login with a fixed password, e.g., "abcd" in line 62 of the source code file "login.java". After logging onto the system, the admin can modify the database by inserting, deleting, or updating information pertaining to refugees, volunteers, medical personnel etc.

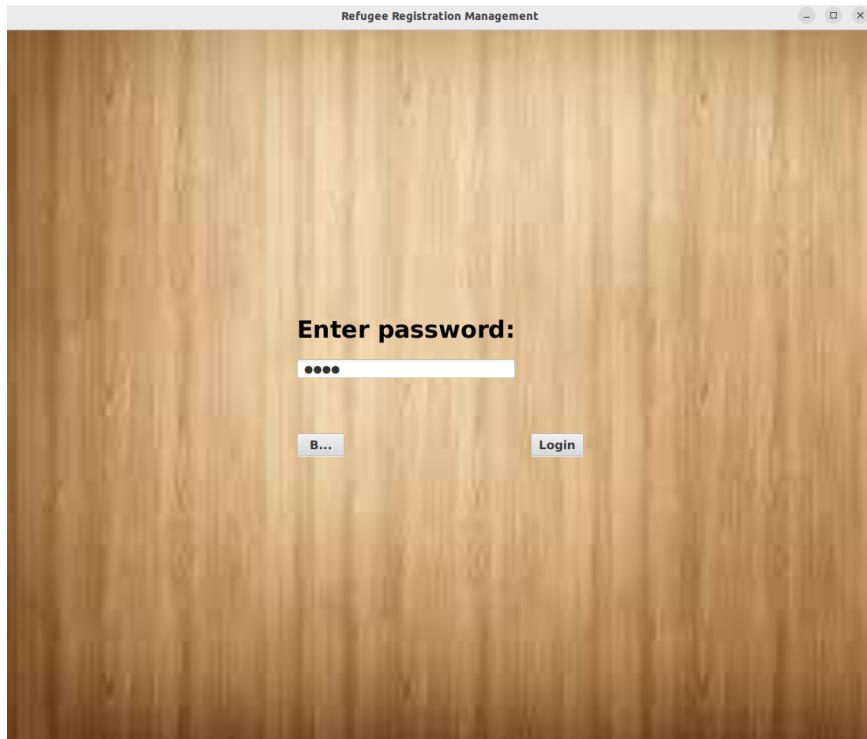


Figure 3: Admin Login Page

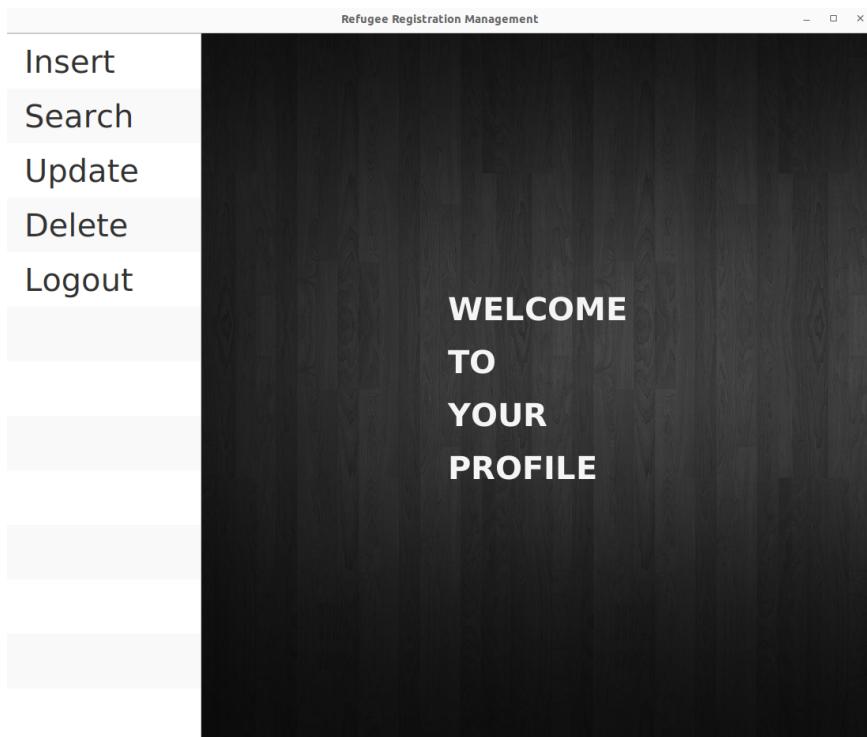


Figure 4: Admin Home Page

2.1 Insert

The admin can insert data regarding the following:

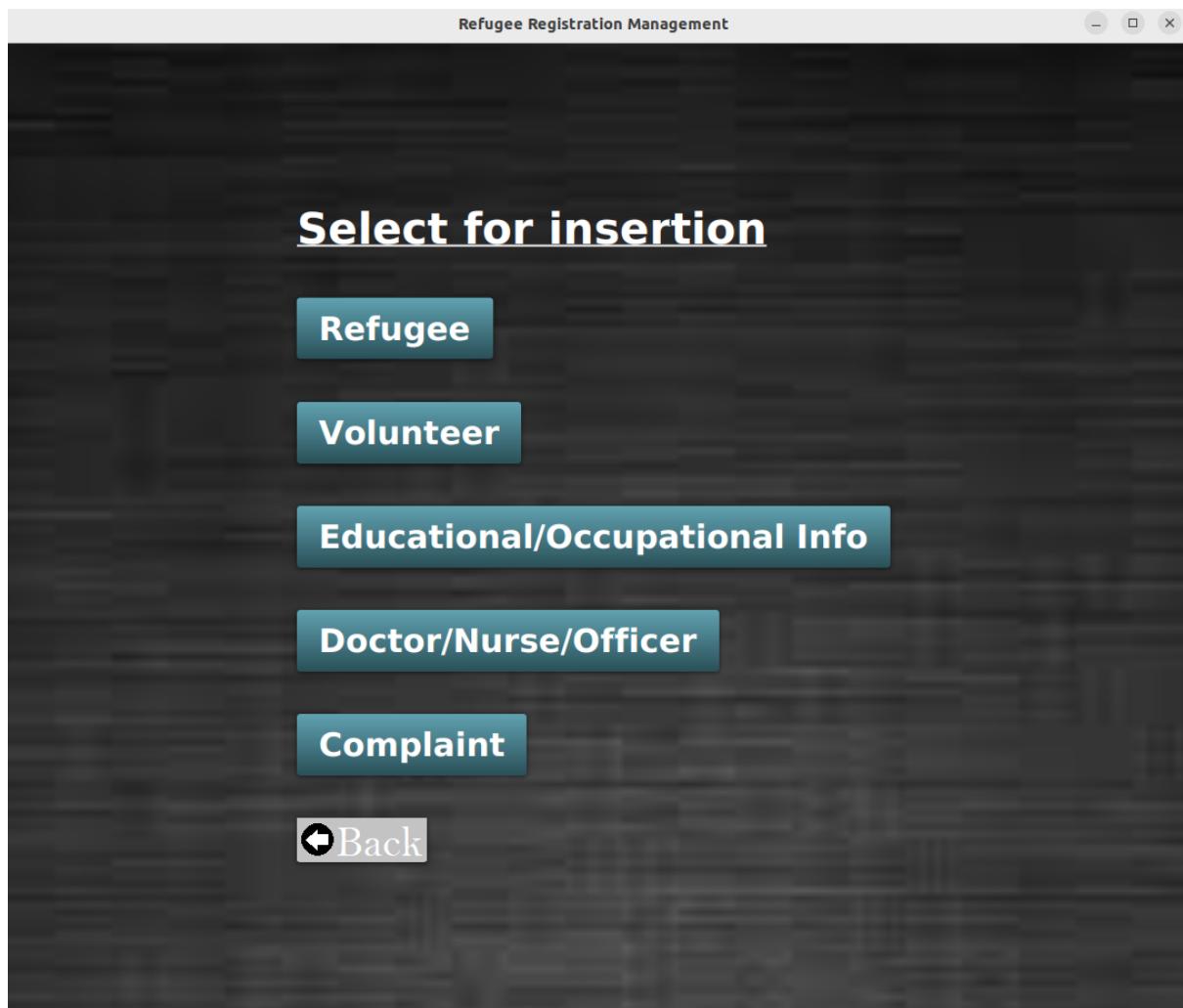


Figure 5: Insert Options

The insert refugee option will take the admin to a new refugee registration page. Compulsory fields are marked with *. The registration cannot proceed to the next page when there is invalid input or without all the necessary information.

**Insert into Refugee
Page(1/3)**

*First Name : At most 50 characters
 Last Name : At most 50 characters
 *Country of Origin :
 *Gender : Male
 *Blood Group: BP
 *indicates compulsory.
 Warning: Please enter valid inputs.

Back **Next**

(a)

**Insert into Refugee
Page(2/3)**

Date of Birth :
 Year: 1992 Month: MAY Day: 07
 Passport No: At most 20 characters
 Ethnic/Tribal/
 Sectarian Group: At most 50 characters
 Religion : At most 50 characters

Back **Next**

(b)

Drag and Drop Image:



/media/parry/DD871/Documents/temp/usr1.png

Back **Next**

(c)

**Insert into Refugee
Page(3/3)**

Enter ID of accompanying people(if any)
 (If information of that person has not been inserted, update accordingly after inserting.)

Father's ID:
 Mother's ID:
 Legal
 Guardian's ID:
 Spouse's ID:
 Invalid Input

Back **Next**

(d)

Figure 6: New Refugee Information Insert

After successful registration the following page will show :

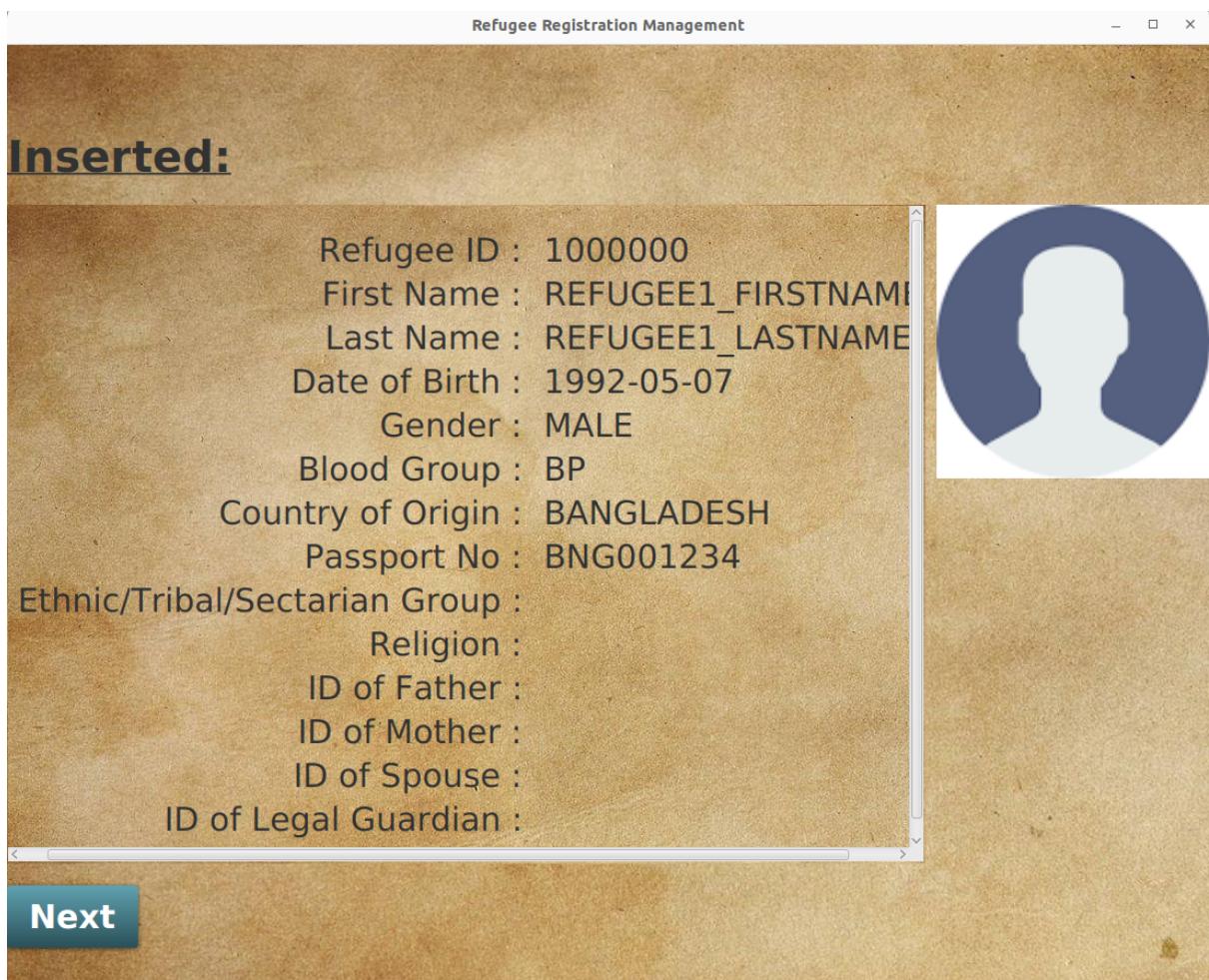


Figure 7: After Successful Refugee Registration

Similarly, the admin can add medical personnel, as shown below:

Insert into Doctor/Nurse/Officer

- **First name:** Must be less than 50 characters
- **Last name:** Must be less than 50 characters
- **Specialization:** • indicates compulsory.

Back **Next**

Figure 8: Insert Doctor/Nurse/Medical Officer

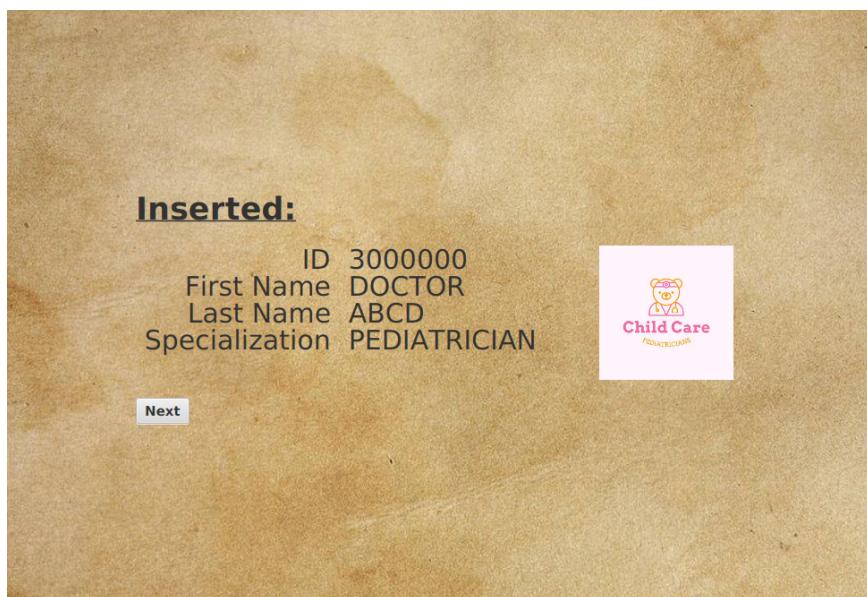


Figure 9: Doctor/Nurse/Medical Officer Insertion Done

However, since medical personnel are users of our system, upon successful registration, the system auto-generates a password for the corresponding Doctor/Nurse/M.O who can later log into the system using the ID and password.

DOCTOR_NURSE_OFFICER_ID	PASSWORD

3000000 z`LVw?EE	

Figure 10: Auto Generated Password of Doctor/Nurse/Medical Officer

Also, the admin can insert a new volunteer:

Insert into Volunteer

* First Name : At most 50 characters

Last Name : At most 50 characters

* indicates compulsory.

Back **Next**

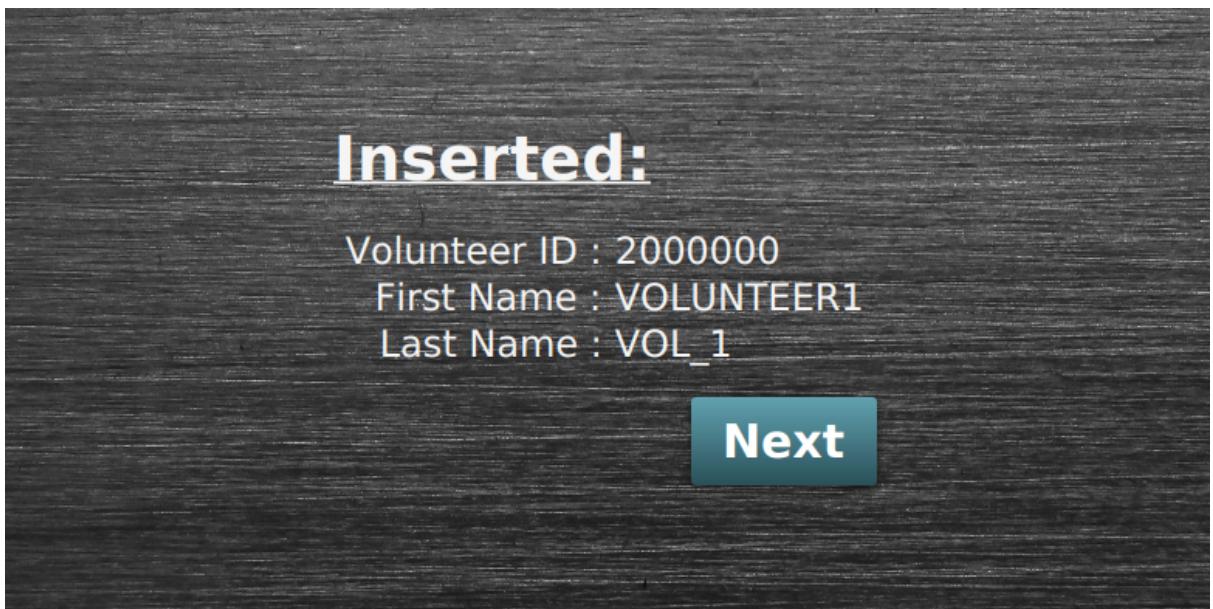


(a)

Inserted:

Volunteer ID : 2000000
First Name : VOLUNTEER1
Last Name : VOL_1

Next



(b)

Figure 11: Volunteer Insertion

The insertion of educational/occupational information is illustrated below:

(a) **Insert Educational/Occupational Information
Page(1/3)**
Refugee ID: 1000021
Back Next

(b) **Insert Educational/Occupational Information
Page(2/3)**
* Institute Name : Office_1 At most 100 characters
* Country : Bangladesh At most 50 characters
State : At most 50 characters
* City : Dhaka At most 50 characters
* indicates compulsory.
Back Next

(c) **Insert Educational/Occupational Information
Page(3/3)**
End Year: At most 100 characters
Degree : At most 100 characters
* Occupation : OCCUPATION_1 At most 50 characters
Specialization : At most 100 characters
* indicates compulsory.
Back Next

(d) **Inserted Educational/Occupational Information-**
Refugee_ID : 1000021
Name : SPOUSE OF REFUGEE1
Institute Name : OFFICE_1
City : DHAKA
State :
Country : BANGLADESH
End Year :
Degree :
Occupation : OCCUPATION_1
Specialization :
Next ➔

Figure 12: Insert Educational/Occupational Information

Finally, the following images depict inserting a complaint. Here, incorrect ID input does not proceed.

Insert into Complaint
Page(1/3)

The Complainant is:

Refugee

Volunteer

<< Back

Insert into Complaint
Page(2/3)

ID of complainant Volunteer:

2000000

<< Back

Next >>

Insert into Complaint
Page(3/3)

Details of complaint

Refugee ID(Complaint against): **12345678**

Misdeed(Max 50 characters):

ID not found

<< Back

Next >>

Inserted:

Complaint Serial : 10000000

Misdeed : THEFT

Complained by : Volunteer

Complainant's Name : VOLUNTEER1 VOL_1

Complaint Against : REFUGEE1_FIRSTNAME REFUGEE1_LASTNAME

Next

Figure 13: Insert Complaint

2.2 Update

The update process is almost identical to the insert process, except that in the beginning, a valid ID (volunteer ID for volunteer updates and refugee ID in the other two cases) is needed.

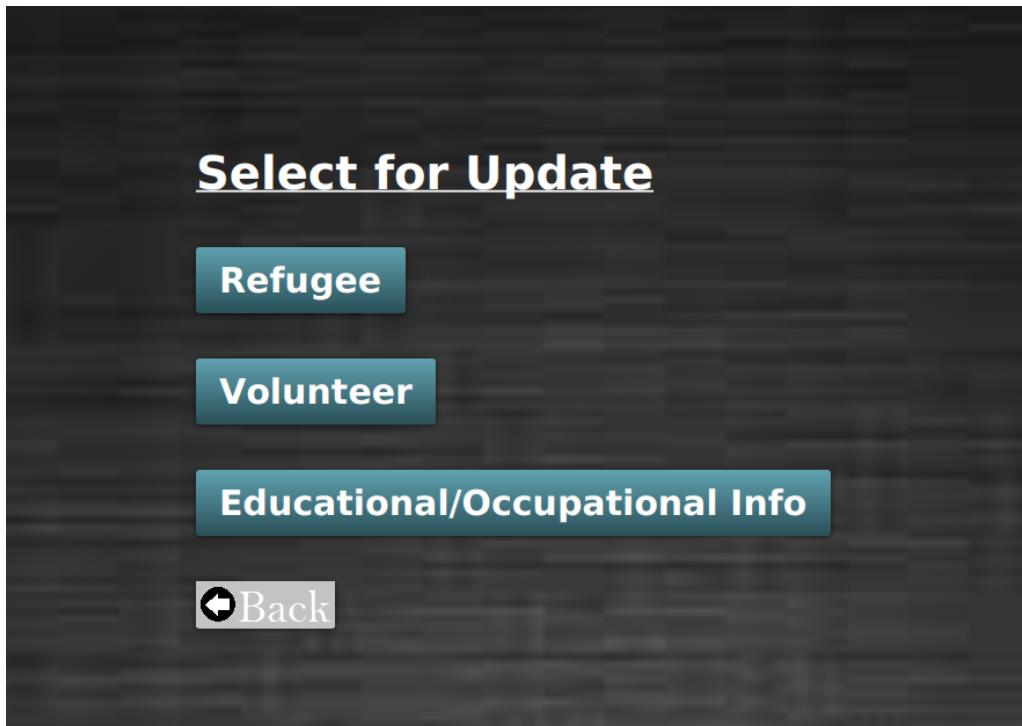


Figure 14: Update Page 1

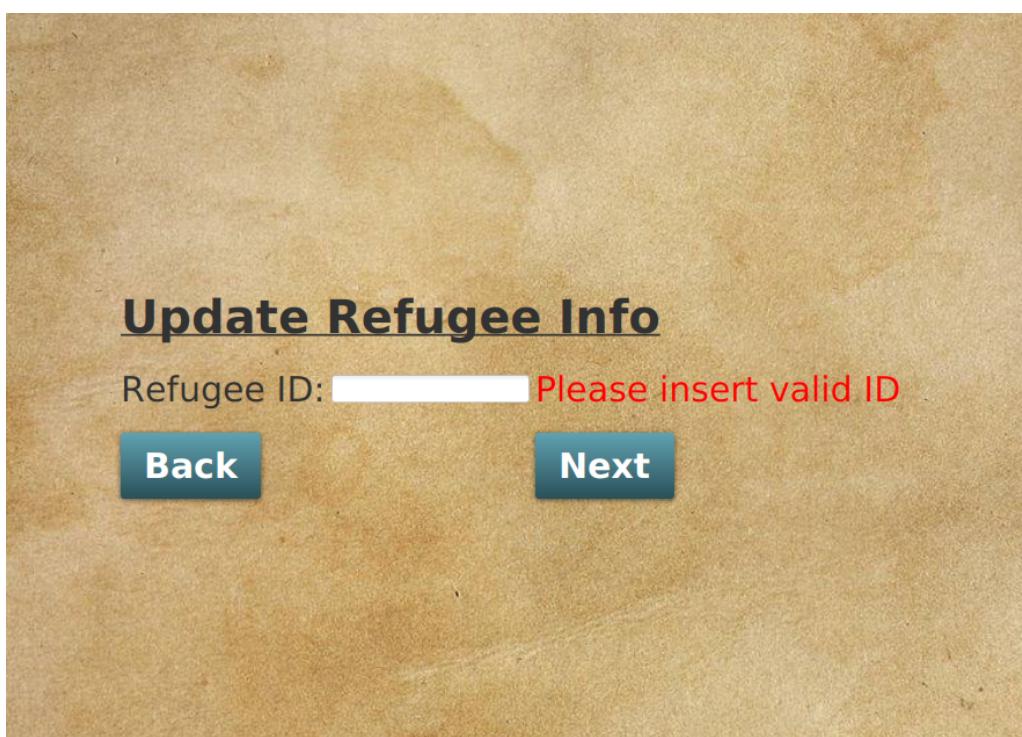
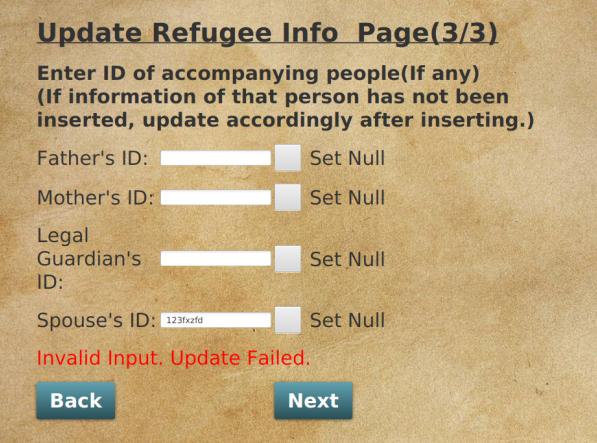
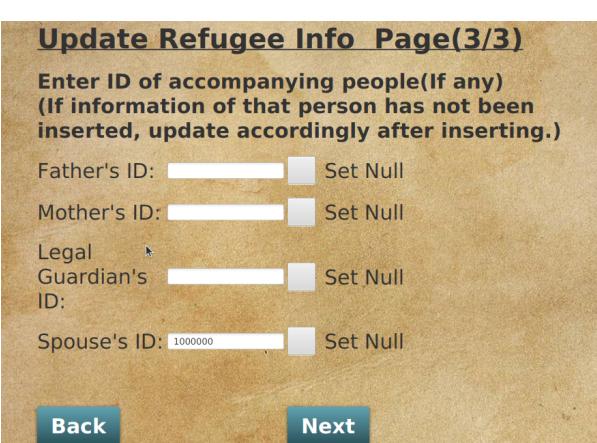


Figure 15: Update Page: Enter ID

The following snapshots show updating the spouse ID of refugee 1000021, where giving a non-existent ID will not continue to the next page.

Note: Updating does not need to be done for the other refugee, i.e., the system will automatically update the spouse ID of refugee 1000000 in this case.

 (a)	 (b)
 (c)	

Update Refugee Info Page(3/3)

Enter ID of accompanying people(if any)
(If information of that person has not been inserted, update accordingly after inserting.)

Father's ID: Set Null
Mother's ID: Set Null
Legal Guardian's ID: Set Null
Spouse's ID: Set Null

Invalid Input. Update Failed.

Update Refugee Info Page(3/3)

Enter ID of accompanying people(if any)
(If information of that person has not been inserted, update accordingly after inserting.)

Father's ID: Set Null
Mother's ID: Set Null
Legal Guardian's ID: Set Null
Spouse's ID: 1000000 Set Null

Updated:

Refugee ID :	1000021
First Name :	SPOUSE
Last Name :	OFREFUGEE1
Date of Birth :	1995-04-15
Gender :	FEMALE
Blood Group :	ABP
Country of Origin :	BANGLADESH
Passport No :	
Ethnic/Tribal/Sectarian Group :	
Religion :	
ID of Father :	
ID of Mother :	
ID of Spouse :	1000000
ID of Legal Guardian :	

Next ➔

Figure 16: Refugee Information Update

2.3 Search

The admin can search for information about the following, as shown in the image below:

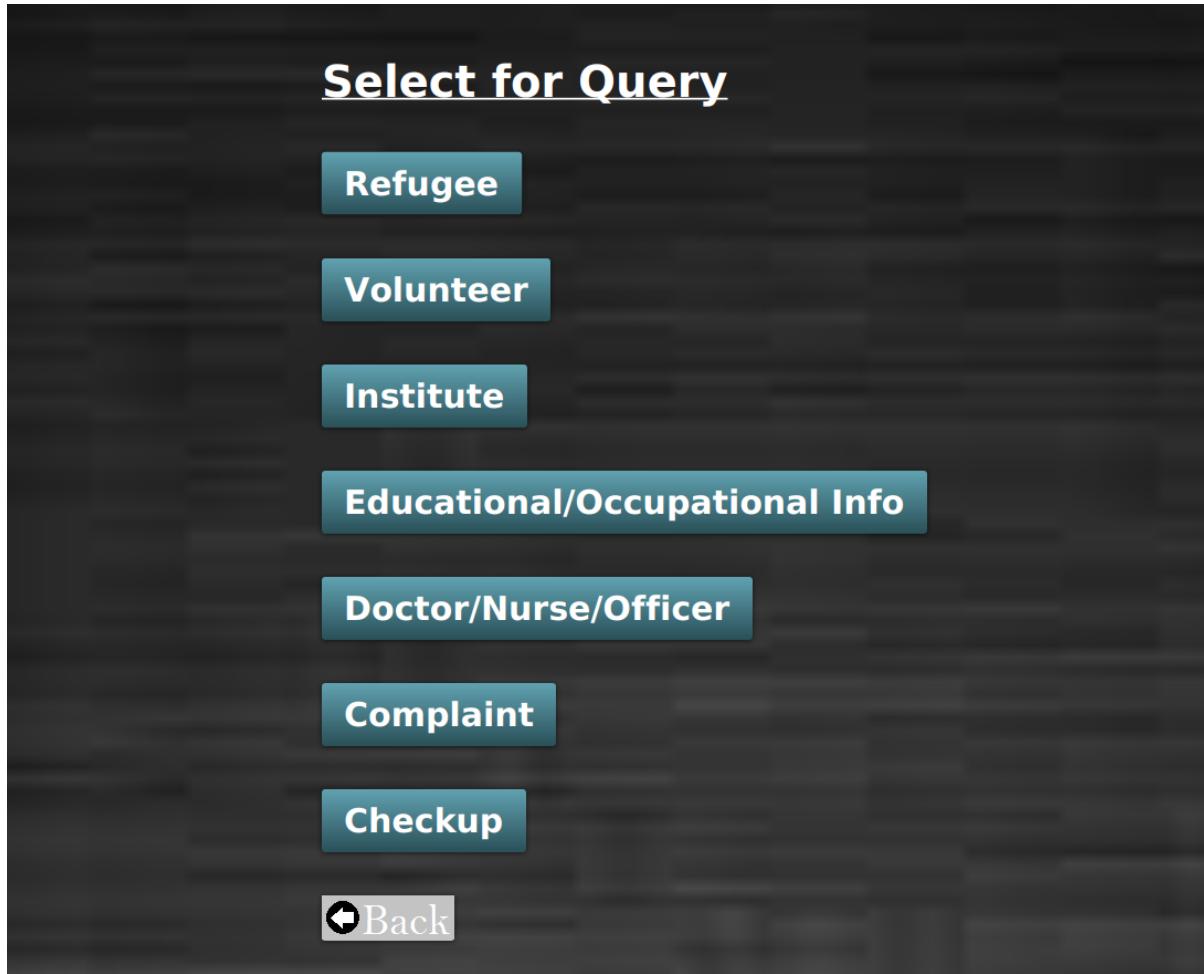


Figure 17: Search Selection Page

The search can be filtered by various fields. For example, the following images show the search filters for refugee query. Here, the "ADD" button is for searching by multiple values for that corresponding field.

Enter values for query:
(Press Add More for the corresponding value to be used and input more values)

Refugee ID : ADD

First Name : ADD

Last Name : ADD

Back **Next**

Enter values for query:
Blood Group: Gender:

<input type="checkbox"/> OP	<input type="checkbox"/> Male
<input type="checkbox"/> AP	<input type="checkbox"/> Female
<input type="checkbox"/> BP	<input type="checkbox"/> Others
<input type="checkbox"/> ABP	
<input type="checkbox"/> ON	
<input type="checkbox"/> AN	
<input type="checkbox"/> BN	
<input type="checkbox"/> ABN	

Back **Next**

Enter values for query:
(Press Add More for the corresponding value to be used and input more values)

Country : ADD

Passport No : ADD

Ethnic/Tribal /Sectarian Group: ADD

Religion : ADD

Back **Next**

Enter values for query:
(Press Add More for the corresponding value to be used and input more values)

ID of Father : ADD

ID of Mother: ADD

ID of Spouse: ADD

ID of Legal Guardian : ADD

Back **Next**

(a)

(b)

(c)

(d)

Figure 18: Refugee Search

If no filtering is applied, the query operation returns all the data:

Query Results							
	REFUGEE_ID	FIRST_NAME	LAST_NAME	GENDER	DATE_OF_BIRTH	BLOODGROUP	COUNTRY_OF_ORIGIN
Details#1 >>	1000040	QWERTY		FEMALE	1990-03-01 00:00:00.0	ABP	UNITED STATES
Details#2 >>	1000023	FATHER	-	MALE	1962-06-09 00:00:00.0	ON	BANGLADESH
Details#3 >>	1000041	ABCDE		MALE	2005-12-07 00:00:00.0	AN	UNITED KINGDOM
Details#4 >>	1000042	ANOTHER	TEST	FEMALE	2012-06-23 00:00:00.0	ABP	BANGLADESH
Details#5 >>	1000043	ZXCVBNM	TEST	OTHERS	2000-11-30 00:00:00.0	BN	BANGLADESH
Details#6 >>	1000044	ASDFGH	-	OTHERS	2012-08-19 00:00:00.0	ABN	UNITED STATES
Details#7 >>	1000024	SON	-	MALE	2002-09-27 00:00:00.0	ON	BANGLADESH
Details#8 >>	1000000	REFUGEE1_FIRSTNAME	REFUGEE1_LASTNAME	MALE	1992-05-07 00:00:00.0	BP	BANGLADESH
Details#9 >>	1000021	SPOUSE	OFREFUGEE1	FEMALE	1995-04-15 00:00:00.0	ABP	BANGLADESH

[Back](#)

[Home](#)

Figure 19: Search Results Page

Clicking on the "Details" button displays the information for that particular refugee separately. The admin can return to the previous page and view the details of another from this page.

Details:	
Refugee ID :	1000024
First Name :	SON
Last Name :	
Date of Birth :	2002-09-27
Gender :	MALE
Blood Group :	ON
Country of Origin :	BANGLADESH
Passport No :	109823
Ethnic/Tribal/Sectarian Group :	
Religion :	
ID of Father :	1000023
ID of Mother :	
ID of Spouse :	
ID of Legal Guardian :	



[Back](#)

[Next](#)

Figure 20: Search Result Detailed

If the admin searches for refugees with: lastname: " - ", "test" OR bloodgroup: A-, then the query results are:

(a)

**Enter values for query:
(Press Add More for the corresponding value to be used and input more values)**

Refugee ID : ADD
First Name : ADD
Last Name : ADD

(b)

**Enter values for query:
(Press Add More for the corresponding value to be used and input more values)**

Refugee ID : ADD
First Name : ADD
Last Name : test ADD

(c)

**Enter values for query:
Blood Group: Gender:**

<input type="checkbox"/> OP	<input type="checkbox"/> Male
<input type="checkbox"/> AP	<input type="checkbox"/> Female
<input type="checkbox"/> BP	<input type="checkbox"/> Others
<input type="checkbox"/> ABP	
<input type="checkbox"/> ON	
<input checked="" type="checkbox"/> AN	
<input type="checkbox"/> BN	
<input type="checkbox"/> ABN	

(d)

Query Results

	REFUGEE_ID	FIRST_NAME	LAST_NAME	GENDER	DATE_OF_BIRTH	BLOODGROUP	COUNTRY_OF_ORIGIN	PASSPORT_NO	RE
Details#1 >>	1000023	FATHER	-	MALE	1962-06-09 00:00:00.0	ON	BANGLADESH	12345678	
Details#2 >>	1000041	ABCDE		MALE	2005-12-07 00:00:00.0	AN	UNITED KINGDOM	00UK_182918	
Details#3 >>	1000042	ANOTHER	TEST	FEMALE	2012-06-23 00:00:00.0	ABP	BANGLADESH		
Details#4 >>	1000043	ZXCVBNM	TEST	OTHERS	2000-11-30 00:00:00.0	BN	BANGLADESH	0_1_2_3_4	
Details#5 >>	1000044	ASDFGH	-	OTHERS	2012-08-19 00:00:00.0	ABN	UNITED STATES		
Details#6 >>	1000024	SON	-	MALE	2002-09-27 00:00:00.0	ON	BANGLADESH	109823	

Figure 21: Refugee Search(Filtered)

The remaining query fields are:

**Enter values for query:
(Press Add More for the corresponding
value to be used and input more values)**

Volunteer ID : ADD
First Name : ADD
Last Name : ADD

Back **Next**

(a) Volunteer Query(1)

Select which information is required for query:

VolunteerID
 VolunteerFirstName
 VolunteerLastName

Next

(b) Volunteer Query(2)

**Enter values for query:
(Press Add More for the corresponding
value to be used and input more values)**

Institute Name : ADD
City : ADD
State : ADD
Country : ADD

Next

(c) Institute Query

Enter details

Misdeed Name ADD
First Name of Accuser (Volunteer) ADD
Last Name of Accuser (Volunteer) ADD
First Name of Accuser (Refugee) ADD
Last Name of Accuser (Refugee) ADD
First Name of Accused ADD
Last Name of Accused ADD

BACK **DONE**

(d) Complaint Query

Enter Doctor's details

First Name ADD
Last Name ADD
Specialization ADD

DONE
BACK

(e) Doctor/Nurse/M.O. Query

Figure 22: Query Fields

Enter details

First Name of Refugee

Last Name of Refugee

Name of Institute

City

State/Province

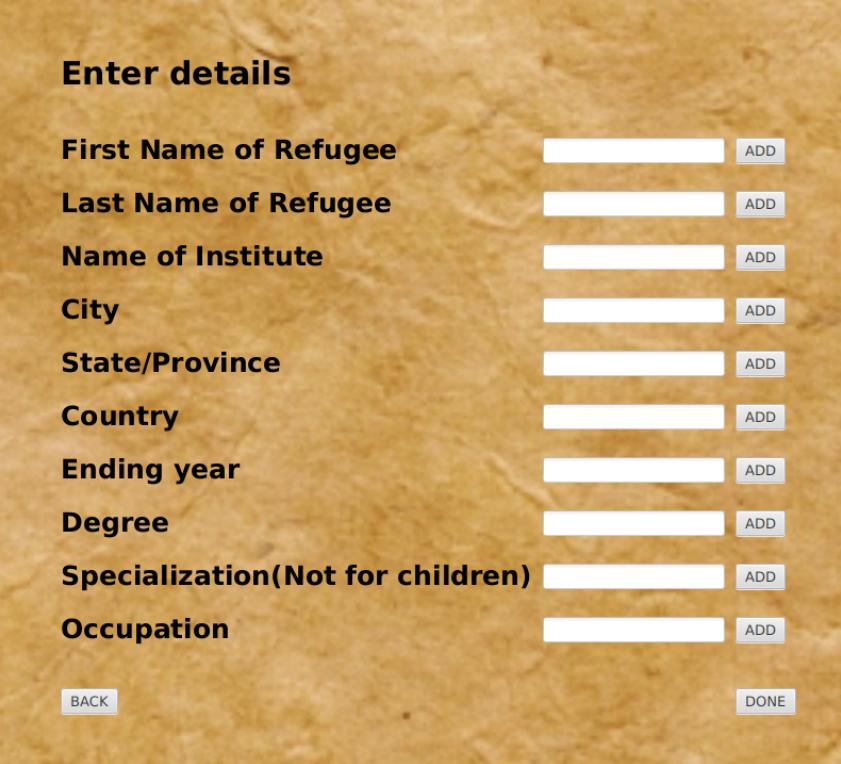
Country

Ending year

Degree

Specialization(Not for children)

Occupation



(f) Educational/Occupational Info Query

Enter Doctor's details

First Name

Last Name

Specialization

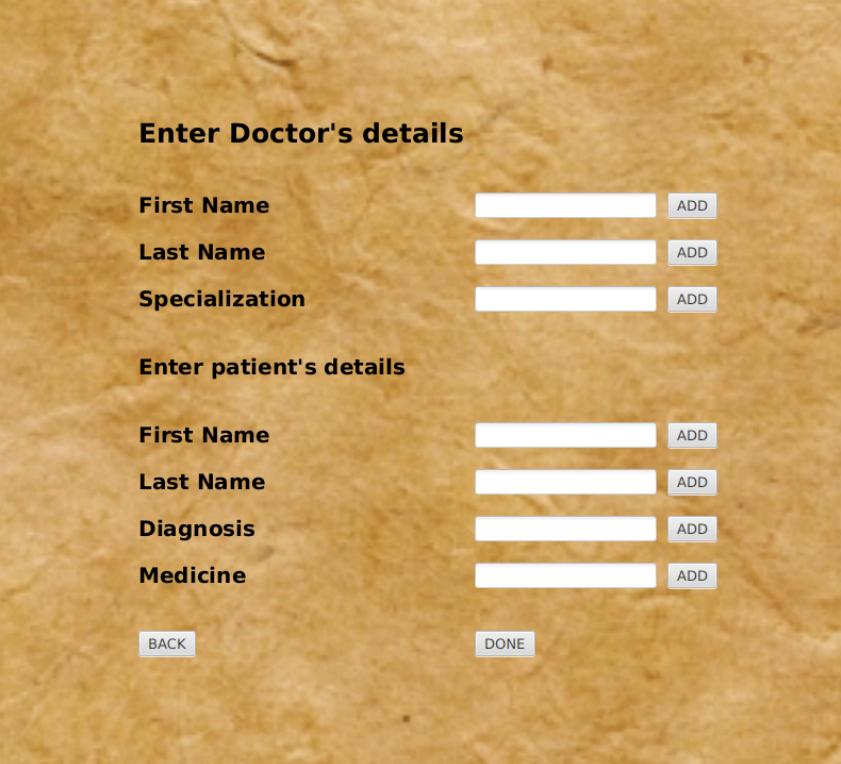
Enter patient's details

First Name

Last Name

Diagnosis

Medicine



(g) Checkup History Query

Figure 22: Query Fields Contd.

2.4 Delete

To delete particular information, first the admin needs to choose an option:

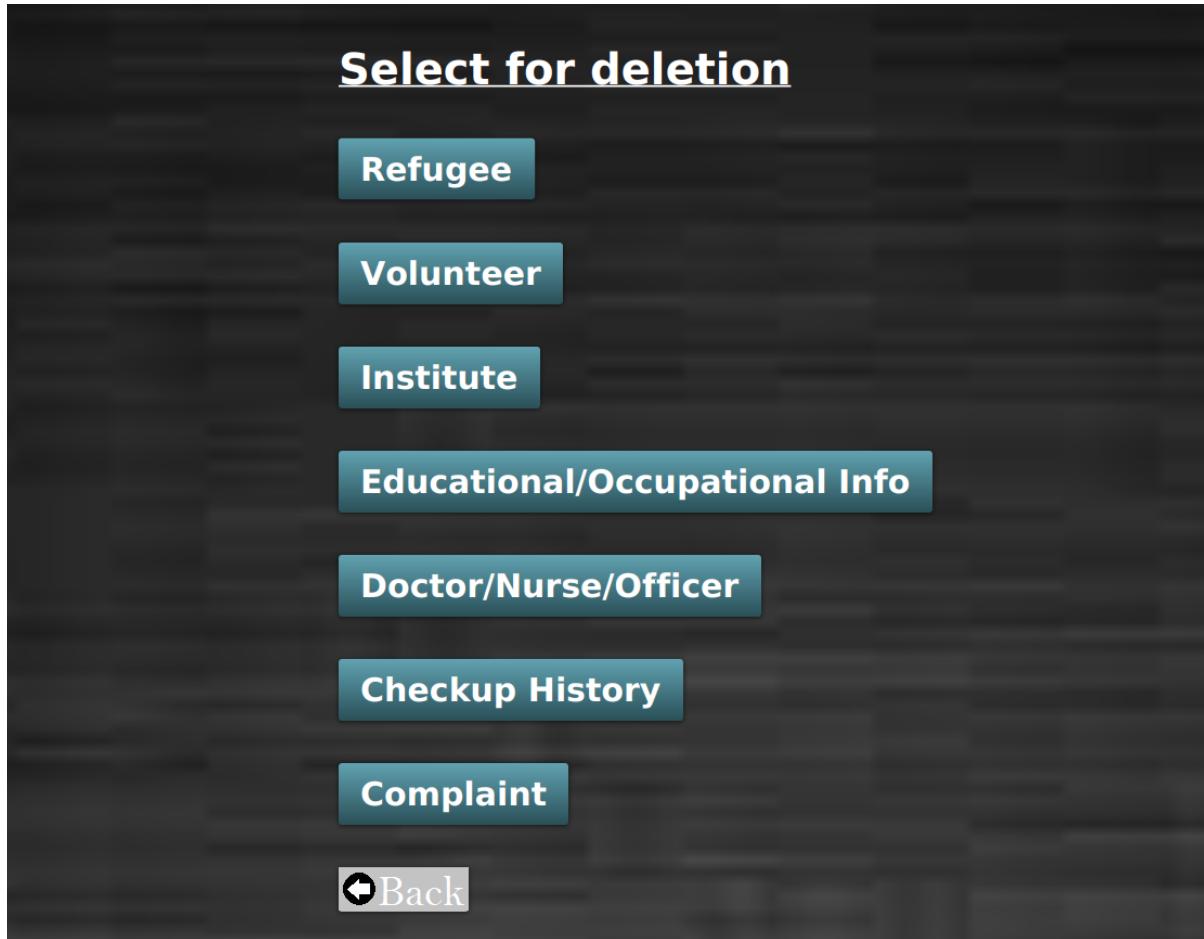


Figure 23: Delete Home Page

The admin can then use filters, or all data is displayed without filters.

Here, the admin first searches for refugees by name, then deletes the second person in this case. 1000023 and 1000024 are related, but after deleting the former refugee, the father_ID field for the latter is set to null automatically.

<p>Enter Refugee Name to delete</p> <p>First Name : <input type="text" value="qwerty"/></p> <p>Last Name : <input type="text" value="test"/></p> <p><input type="button" value="Add More"/></p> <p><input type="button" value="<< Back"/> <input type="button" value="Next >>"/></p>	<p>Enter Refugee Name to delete</p> <p>First Name : <input type="text" value="qwerty"/></p> <p>Last Name : <input type="text" value="test"/></p> <p><input type="button" value="Add More"/></p> <p><input type="button" value="<< Back"/> <input type="button" value="Next >>"/></p>																																																																						
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Delete#5 >>	1000043	ZXCVBNM	TEST	OTHERS	2000-11-30 00:00:00.0	BN	BANGLADESH	0_1_2_3_4																																																															
Delete#6 >>	1000044	ASDFGH	_	OTHERS	2012-08-19 00:00:00.0	ABN	UNITED STATES																																																																
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<p>Select the row to delete</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">FATHER_ID</th> <th>BLOODGROUP</th> <th>COUNTRY_OF_ORIGIN</th> <th>PASSPORT_NO</th> <th>RELIGION</th> <th>ETHNIC_TRIBAL_SECTARIAN_GROUP</th> <th>FATHER_ID</th> <th>MOTHER_ID</th> <th>SPOUSE_ID</th> <th>LEG</th> </tr> </thead> <tbody> <tr> <td>00:00:0</td> <td>ABP</td> <td>UNITED STATES</td> <td>US_123456</td> <td>CHRISTIANITY</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>00:00:0</td> <td>ON</td> <td>BANGLADESH</td> <td>109823</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>00:00:0</td> <td>ABP</td> <td>BANGLADESH</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>00:00:0</td> <td>BN</td> <td>BANGLADESH</td> <td>0_1_2_3_4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>00:00:0</td> <td>ABN</td> <td>UNITED STATES</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p><input type="button" value="Back"/> <input type="button" value="Home"/></p>		FATHER_ID	BLOODGROUP	COUNTRY_OF_ORIGIN	PASSPORT_NO	RELIGION	ETHNIC_TRIBAL_SECTARIAN_GROUP	FATHER_ID	MOTHER_ID	SPOUSE_ID	LEG	00:00:0	ABP	UNITED STATES	US_123456	CHRISTIANITY						00:00:0	ON	BANGLADESH	109823							00:00:0	ABP	BANGLADESH								00:00:0	BN	BANGLADESH	0_1_2_3_4							00:00:0	ABN	UNITED STATES																	
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Figure 24: Delete Refugee

3 Doctor/Nurse/Medical Officer

Another user of our system is a medical professional. They are assigned an ID and a password when the admin registers them. They first need to sign in with their ID and password. They can then edit the profile, add new diagnoses, and view patient checkup history.

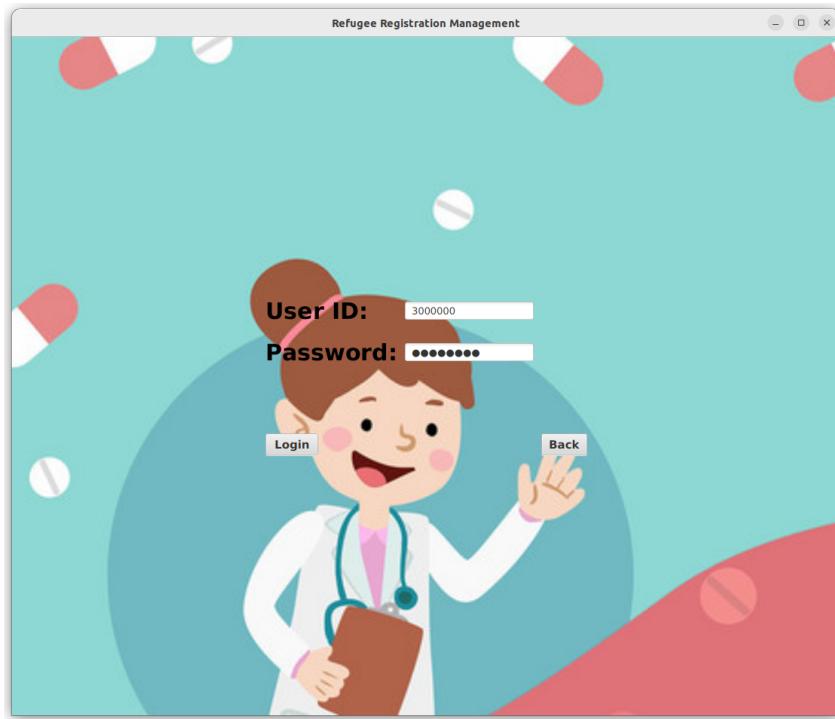


Figure 25: Doctor/Nurse/M.O. Login Page

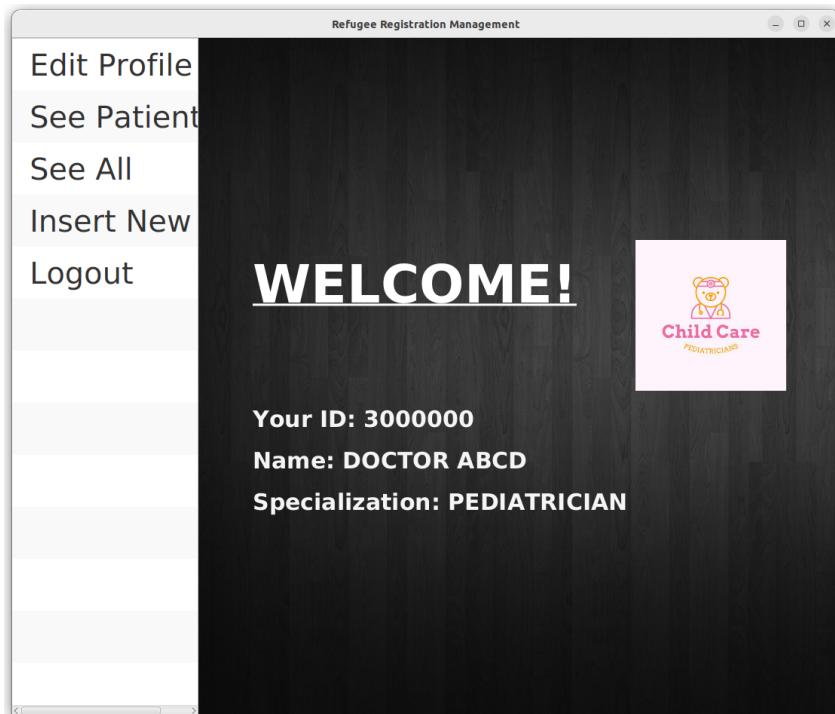


Figure 26: Doctor/Nurse/M.O. Home Page

3.1 Edit Info

Clicking on "Edit Profile" will allow the Doctor/Nurse/M.O. to change any of the parameters set earlier. The profile edit is shown in the images below. Here, the user changes the password and the first name. After each change, Figure 27d appears. Then, on the home page, the changed first name is displayed.

(a)

Change Name
Change Password
Change Specialization
Change Profile Picture
Back

(b)

Change your password:
New Password: (REDACTED)
Re-enter new Password: (REDACTED)
Passwords don't match!
Back Change

(c)

Enter New Info (* is compulsory):
*New First Name: Must be less than 50 characters
New Last Name: Must be less than 50 characters
 Remove Last Name
Back Change

(d)

SUCCESS!
Your profile has been updated!
Profile Logout

(e)

WELCOME!
Your ID: 3000000
Name: DOC ABCD
Specialization: PEDIATRICIAN

The Child Care logo features a cartoon bear wearing a stethoscope, with the text "Child Care" in pink and "PEDIATRICIANS" in yellow.

Figure 27: Edit Profile(Doctor/Nurse/M.O.)

3.2 Insert Checkup

Medical professionals can add new patient checkup data. The "ADD MORE" button is for multiple inputs.

New Prescription

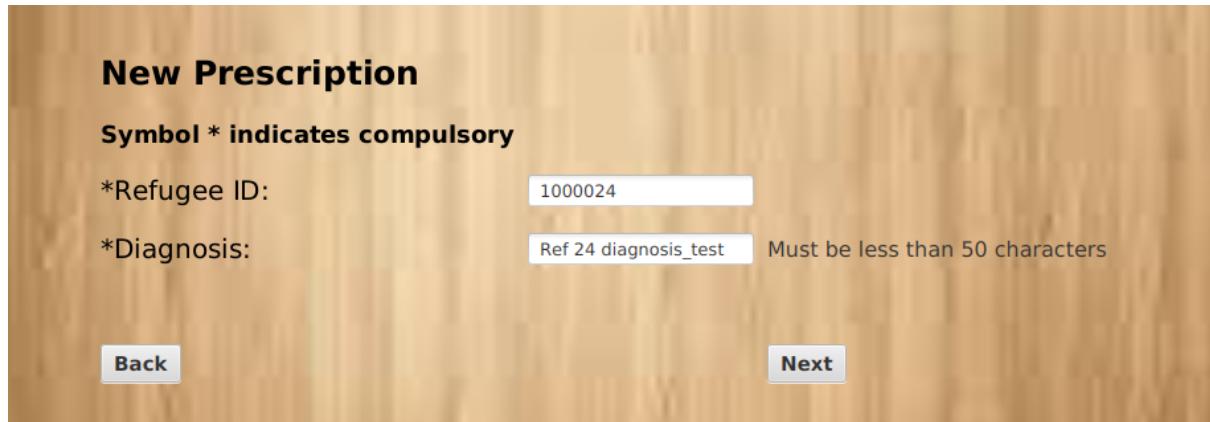
Symbol * indicates compulsory

*Refugee ID:

*Diagnosis: Must be less than 50 characters

Back **Next**

(a)



Medicine(s) you prescribed:

Medicine name: Must be less than 100 characters

ADD MORE **DONE**

(b)



Medicine(s) you prescribed:

Medicine name: Must be less than 100 characters

ADD MORE **DONE**

(c)

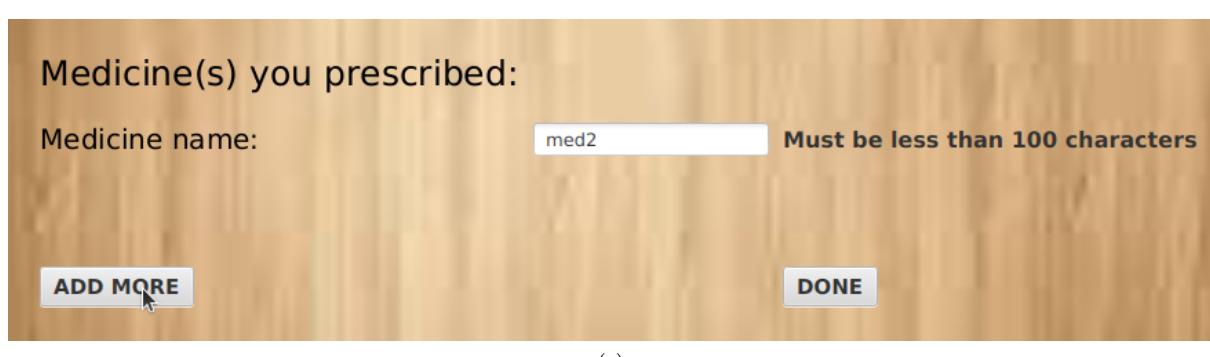


Figure 28: Insert Checkup

3.3 Search Checkups

The Doctor/Nurse/M.O. can view all checkup histories by clicking on "SEE ALL" (Figure 29), or search for particular ones by clicking on "SEE PATIENTS".

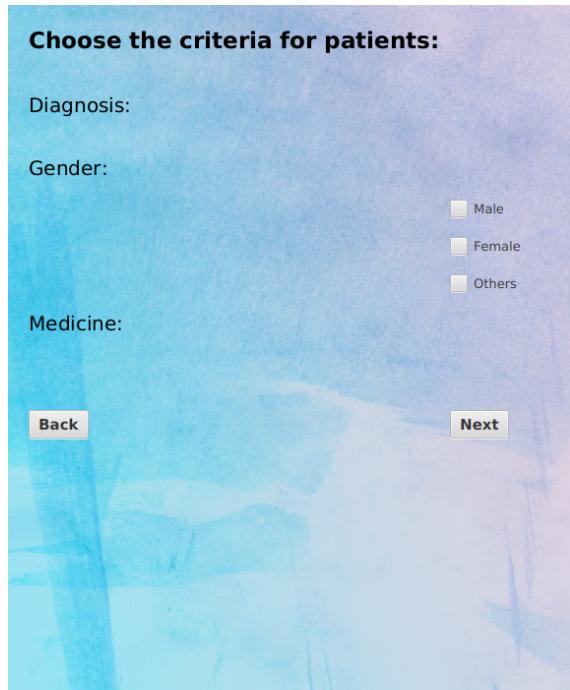
The screenshot shows a mobile application interface. At the top, there is a dark header bar. Below it, the main content area has a white background. In the center, the text "Query Results:" is displayed in bold black font. Below this, there is a table with a black header row containing the columns: "PATIENTSNAME", "GENDER", "BLOODGROUP", "DIAGNOSIS", and "MEDICINE". The table body contains five rows of data. A large blue button at the bottom center contains the text "Go To Profile" in white.

PATIENTSNAME	GENDER	BLOODGROUP	DIAGNOSIS	MEDICINE
SON _	MALE	ON	REF 24 DIAGNOSIS_TEST	MED1
SON _	MALE	ON	REF 24 DIAGNOSIS_TEST	MED2
QWERTY	FEMALE	ABP	SOMETHING	MED3
QWERTY	FEMALE	ABP	SOMETHING	MED4
QWERTY	FEMALE	ABP	SOMETHING	MED5

Go To Profile

Figure 29: All Patients Checkup History Page

The filtered checkup query options are based on checkup history. In the following snapshots, Figure 30a has more options for Diagnosis and Medicine than Figure 30b because the choices for these two fields are from previous checkups.



Choose the criteria for patients:

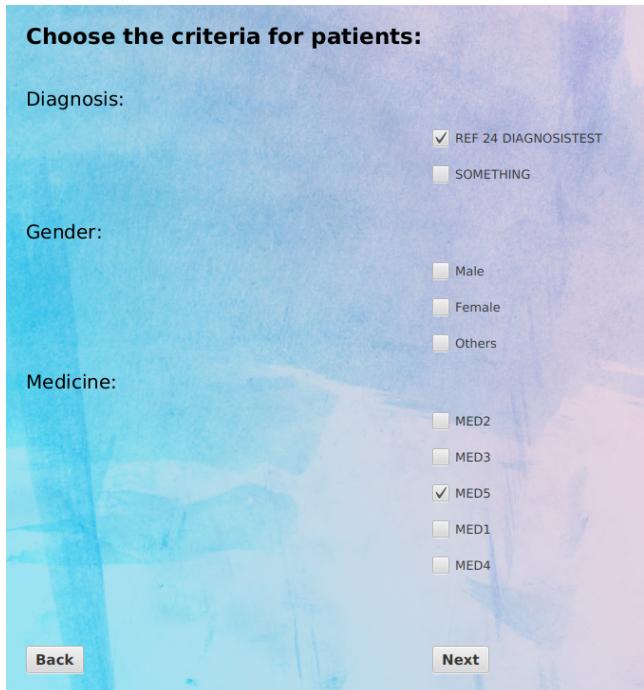
Diagnosis:

Gender:

- Male
- Female
- Others

Medicine:

Back **Next**



Choose the criteria for patients:

Diagnosis:

- REF 24 DIAGNOSISTEST
- SOMETHING

Gender:

- Male
- Female
- Others

Medicine:

- MED2
- MED3
- MED5
- MED1
- MED4

Back **Next**

Query Results:

PATIENTSNAME	GENDER	BLOODGROUP	DIAGNOSIS	MEDICINE
SON _	MALE	ON	REF 24 DIAGNOSIS_TEST	MED1
SON _	MALE	ON	REF 24 DIAGNOSIS_TEST	MED2
QWERTY	FEMALE	ABP	SOMETHING	MED5

Go To Profile

(a) (b)

(c)

Figure 30: See Patients(Based on Medicine, Diagnosis, Gender)

4 Guest User

Finally, there are guest users who do not require a login. They can view the results of 10 fixed queries as follows:

Frequently asked Questions!

1. Number of refugees from different countries
2. Available doctors from different units
3. Refugees committing more than n crimes. Enter n:
4. Refugees diagnosed with more diseases than the average amount
5. Refugees within the age group:
From:
To:
6. Number of refugees from different religions
7. Number of refugees of different genders
8. Number of refugees of different bloodgroups
9. Total children of refugees
10. Refugees
with bloodgroup:
without disease:

Back

Figure 31: Guest User Main Page

For example, Questions 1 and 5 respectively return:

Frequently asked Questions!

1. Number of refugees from different countries

(a) Query 1

Query Results:	
COUNTRY_OF_ORIGIN	NUMBER_OF_REFUGEES
BANGLADESH	5
UNITED STATES	2
UNITED KINGDOM	1

(b) Results of query 1

5. Refugees within the age group:

From:

To:

(c) Query 5

Query Results:	
NAME	AGE
SON _	20
ABCDE	17
ANOTHER TEST	10
ZXCVBNM TEST	22
ASDFGH _	10

(d) Results of query 5

Figure 32: Guest User Query Results