Immunization Management System
User Manual

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DEVELOPERS:

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System Partition:

- Employee Part
- Patient Part

Employee Part is divided into 4 parts.

- Chief Health Officer
- Health Officer
- Health Assistant
- Admin

To enter into the system as a new employee first Create an account link needs to be clicked.

To enter into the system as an existing employee you have to enter your own ID Number and password. Then you have to click **Sign in** button.

To login into the system as a patient you need to click Login as a patient link.

REGISTER EMPLOYEE

ENTER EMPLOYEE'S INFO

| Employee ID | Enter Employee's ID |
Password	Enter Password
Password Retype	Enter Password Again
First Name	Enter Employee's First Name
Last Name	Enter Employee's Last Name
Gender	Male
Designation	Chief Health Officer
Mobile No.	Enter Mobile No.
E-Mail	Enter Address
Address	Enter Address

Register

After clicking Create an account you need to be registered as a new employee. In this register page some necessary information should be given like Employee ID, Password, Password retype, First Name, Last Name, Gender, Designation, Mobile No, e-mail, Address.

After filling up these forms you need to click **Register** button and wait for the Admin to approve you as a new Employee.

Chief Health Officer Activity: After Logged in as Chief Health officer who is the top in system's hierarchy this page will be shown.

By clicking the **Profile** button on top the C.H.O can view or edit his profile and change password.
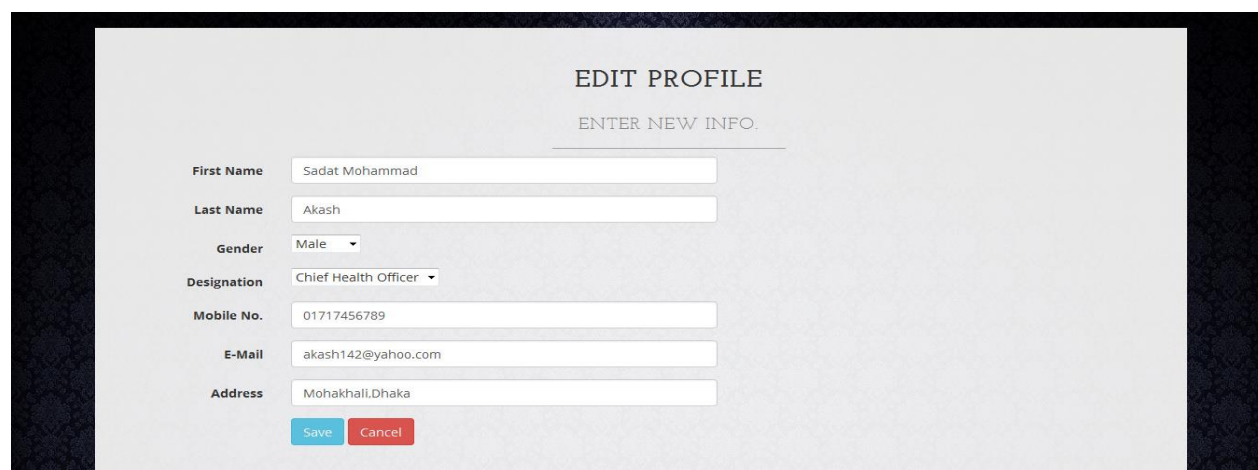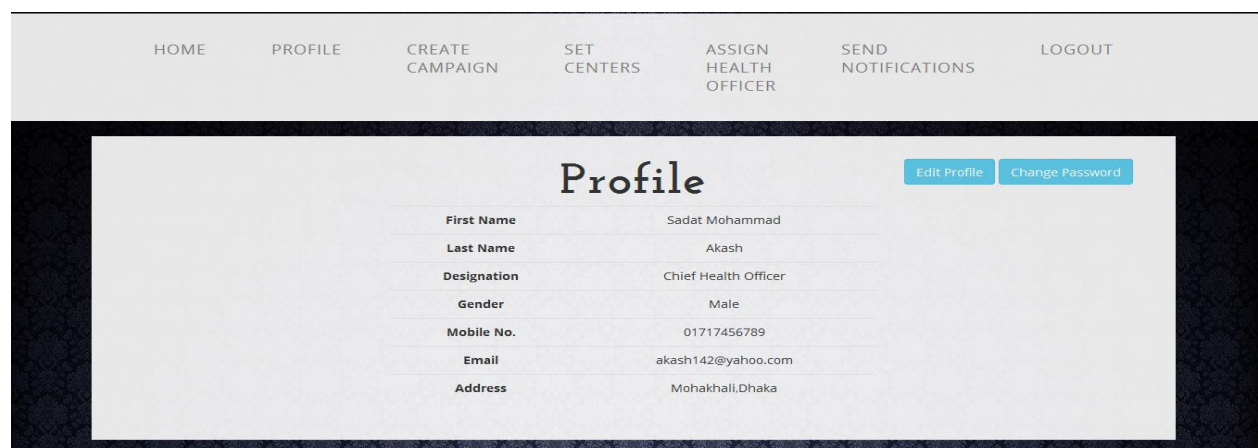
C.H.O can create new campaign in which vaccination will occur. He can create new campaign by clicking **Create Campaign** button. He has to fill up the forms named Campaign Name, Vaccine Name, Campaign Date, Start and end age. Then hit the **Create Campaign** button to complete campaign Creation.

CREATE CAMPAIGN

ENTER CAMPAIGN INFO

Campaign Name   Enter Campaign Name

Vaccine Name   Enter Vaccine Name

Campaign Date   Enter Campaign Date

Start Age(in months)   Enter Start Age (in months)

End Age(in months)   Enter End Age (in months)

                       Create Campaign

In every campaign there are many centers where the vaccination will occur. The C.H.O will set centers which are added by Health Officers (assigned by C.H.O). By clicking the **Select** button in the left side the C.H.O. can set centers.

SET CENTERS

SELECT CAMPAIGN

	Campaign Name	Campaign Date	Vaccine	Start Age (months)	End Age (months)
Select	Hepatitis - B Awareness	2016-03-02	HBV	5	15
Select	Pentavelent Campaign	2015-12-03	Pentavelent	12	24
Select	BCG campaign	2016-03-04	BCG	12	24

The C.H.O will assign some Health Officer (H.O.) under the campaign who will work in that campaign by clicking **Assign Health Officer** on top. He will then click **Select** button to add health officer.

ASSIGN HEALTH OFFICER

SELECT CAMPAIGN

	Campaign Name	Campaign Date	Vaccine	Start Age (months)	End Age (months)
Select	Hepatitis - B Awareness	2016-03-02	HBV	5	15
Select	Pentavelent Campaign	2015-12-03	Pentavelent	12	24
Select	BCG campaign	2016-03-04	BCG	12	24

The C.H.O. can send necessary directions to patients under various campaigns by clicking **Send Notification** button. To send a notification he will select a campaign.

SEND NOTIFICATIONS

SELECT CAMPAIGN

	Campaign Name	Campaign Date	Vaccine	Start Age (months)	End Age (months)
Select	Hepatitis - B Awareness	2016-03-02	HBV	5	15
Select	Pentavelent Campaign	2015-12-03	Pentavelent	12	24
Select	BCG campaign	2016-03-04	BCG	12	24

After selecting a campaign the Campaign Info and the centers under the campaign will be shown.

Under this there is a notification field where messages can be written.

After this **Send Notification** button should be hit.

CAMPAIGN INFO

Campaign Name	Hepatitis - B Awareness
Vaccine Name	HBV
Campaign Date	2016-03-02
Start Age(in months)	5
End Age(in months)	15

CENTERS UNDER THIS CAMPAIGN

Center Name	Location	District	Contact No.
Maternity Hospital	Azimpur Graveyard	Dhaka	01717525469

NOTIFICATION MESSAGE:

message cannot be more than 430 words

Send Notifications

There is button on top to logout from the C.H.O. profile.

<u>Health Officer Activity:</u> Health officer is in next in the hierarchy of our system. Health officer will work under a campaign and set centers. After logged in as health officer this page will be shown.
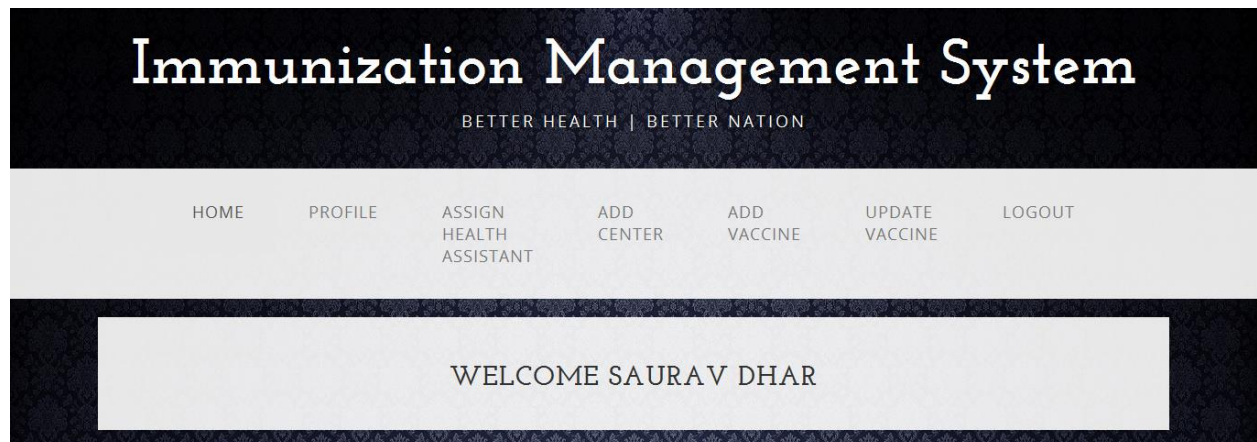
After logging in the H.O. can view and edit his profile and change password in the same way as C.H.O.

An important activity of H.O. is to assign health assistant under each center allocated per Campaign.

After selecting a center by clicking the **Select** button on left the H.O. will view the list of health assistant. Then he can select an assistant by clicking **Select** button on left. He can also view the selected assistant name list in where he can deselect them. Then he has to hit the **Confirm Health Assistants** button.

SELECT HEALTH ASST.

SELECT HEALTH ASSISTANTS FROM BELOW

NAME OF HEALTH ASSISTANS	
Select	Avik Sharma
Select	Dipu Roy
Select	Ratul Saklain

SELECTED HEALTH ASSISTANTS

NAME OF HEALTH ASSISTANS	
Deselect	Dhiman Goswami

Confirm Health Assistants

Another activity of health officer is to add centers under each campaign. He has to fill up forms named Center Name, Center Location, District, and Contact No. Then he has to hit **Add Center** button.

ADD CENTER

ENTER CENTER INFO

Center Name	Enter Center Name
Center Location	Enter Center Location
District	Enter District
Contact No.	Enter Contact No.

Add Center

The H.O. can also add vaccine info. Here the forms are Vaccine Name, Inventory Name, Total Vials, Available Vials, Manufacturer, Mfg Date, Expire Date, VFC eligibility. Then he has to hit **Add Vaccine** button.

ADD VACCINE

ENTER VACCINE INFO

Vaccine Name	Enter Vaccine Name
Inventory Name	Enter inventory Name
Total Vials	Enter Total Vials
Available Vials	Enter Available Vials
Manufacturer	Enter manufacturer
Mfg Date	Enter Mfg Date
Expire Date	Enter Expire Date
VFC eligibility	True ▾

Add Vaccine

Vaccine info can be updated by the H.O. by clicking **Update Vaccine** button on top. Then he selects a vaccine and edit vaccine info by clicking **Edit Vaccine** btn.

UPDATE VACCINE INFO

SELECT VACCINE INFO

	Vaccine Name	Inventory Date	Total Vials	Available Vials	Manufacturer	Manufacture Date	Expire Date	VFC eligibility
Select	DTaP+	DTAP	100	63	Square	12-04-2016	03-11-2015	True

EDIT VACCINE

ENTER VACCINE INFO

Vaccine Name	DTaP+
Inventory Name	DTAP
Total Vials	100
Available Vials	63
Manufacturer	Square
Mfg Date	12/04/2016
Expire Date	03/11/2015
VFC eligibility	True ▾

Edit Vaccine

Health Assistant Activity: Health Assistants work in vaccination centers who are mainly responsible for register child and update vaccination history of patients after vaccination. After logging in as H.A.(Health Assistant) this page will be shown.

The H.A. can view and edit profile and change password by clicking profile button which is same as C.H.O. and H.O.

An important activity of H.A. is to register child after birth. He has to fill up these

necessary info and hit **Register** button to complete registration of child.

After vaccination of a child the H.A. will update the history of patient. First he will search for patient's id.

After getting right ID then he will update the history of the patient. He will enter Vaccine Name, Vaccine Date, and Center Name. Then he will hit **Add Patient's history** button.
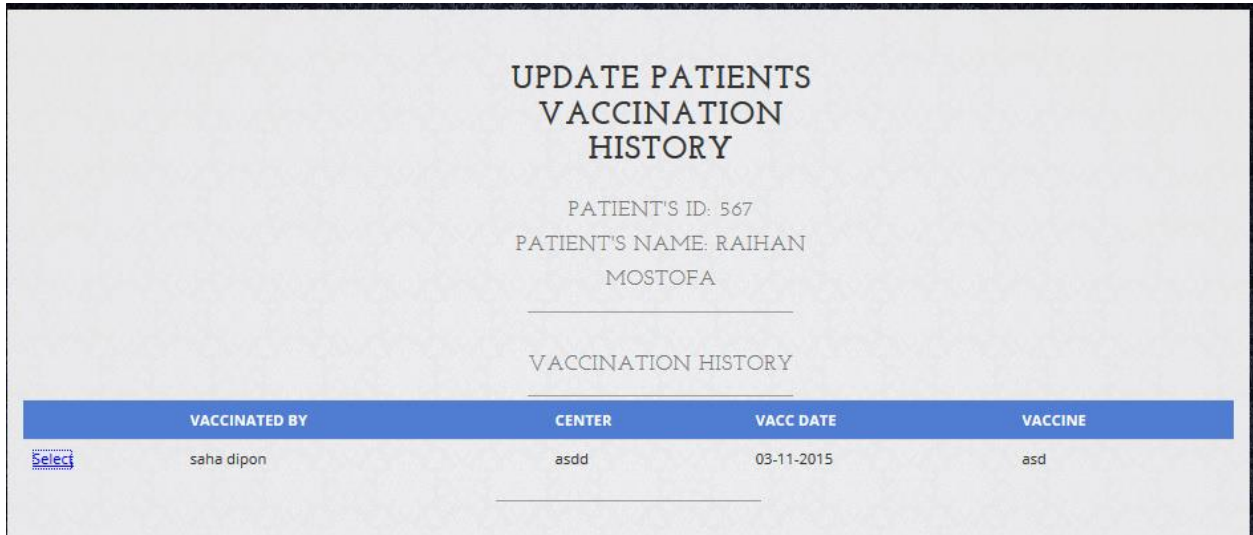

The H.A. is also responsible for editing patient's history by entering Patient's ID.

After getting ID patient's vaccination history like assistant name, center, date, vaccine name will be shown. To edit vaccination history **Select** needs to be clicked. Then the edit page will come.
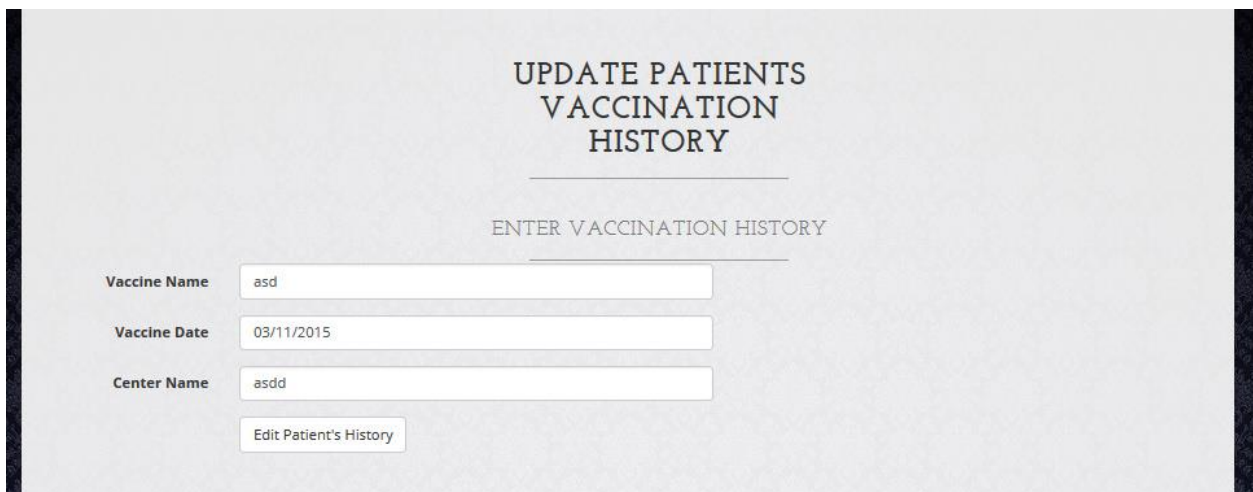

Another duty of the H.A. is to update vaccine requirement. He can do that by clicking Update Vaccine on top.

Then to update vaccine info he needs to click **Select** button. Then he can edit total vials and available vials.

There is also an option for logging out on top.

UPDATE VACCINE INFO

SELECT VACCINE INFO

	Vaccine Name	Inventory Date	Total Vials	Available Vials	Manufacturer	Manufacture Date	Expire Date	VFC eligibility
Select	DTaP+	DTAP	100	63	Square	12-04-2016	03-11-2015	True

EDIT VACCINE

ENTER VACCINE INFO

Total Vials	100
Available Vials	63

Edit Vaccine

Admin Activity: There is an admin who is responsible for ensuring internal workflow and verification of the whole system. After logging in as admin this page will appear.

Immunization Management System

BETTER HEALTH | BETTER NATION

HOME APPROVE EMPLOYEES DELETE CAMPAIGN DELETE VACCINE LOGOUT

WELCOME ADMIN

Admin can approve employees. After registration of new employee the info the employee will be in a temporary database table. Admin can approve new employee or deny him after proper validation check. Admin needs to click the **Approve Employees** button on top. Then he will see the list of the employees who are waiting for admin approval. After clicking the **Select** button in left, admin will

view the profile of the selected employee. Then to add him in the system's employee list he will click **Approve** button. Otherwise he will click **Deny** button.

Admin can delete any campaign after getting proper dictation from upper level. He will select **DELETE CAMPAIGN** from top. Then he will view the existing campaign list. He can select any campaign to delete.

After selecting a campaign he can view campaign information and the centers under this campaign. He can hit the **Delete Campaign** button to delete the history of any campaign.

Again, the admin can delete any history of vaccine from the system for which he will be totally responsible. For this, he has to click **DELETE VACCINE.** Then he will view the vaccine list and select the directed vaccine to delete.

After selecting a vaccine he will view the info of the vaccine. To delete the information of the vaccine he needs to hit **Delete Vaccine** button.

There is also an option for logging out on top.

DELETE VACCINE ENTRY

VACCINE ENTRY

Vaccine Name	asd
Inventory Name	asdsa
Total Vials	1234
Available Vials	222
Manufacturer	adas
Manufacture Date	2015-11-05
Expire Date	2015-09-01
VFC Eligibility	True

Delete Vaccine   Cancel

Patient View: After logged in as a patient this window will be shown.

Immunization Management System

BETTER HEALTH | BETTER NATION

HOME   PROFILE   VIEW   LOGOUT
                          NOTIFICATIONS

WELCOME RAIHAN MOSTOFA

After clicking the profile button on top he can view and edit profile and change password. Also he can see the history of vaccination.

There is also an option for logging out on top.

Profile

First Name	Raihan
Last Name	Mostofa
Fathers Name	abc
Mothers Name	def
Gender	Male
Mobile No.	0123456789
Date of Birth	2014-11-03
Age	1 year 1 months 7 days
Address	Goran

Edit Profile   Change Password

VACCINATION HISTORY

VACCINATED BY	CENTER	VACCINE DATE	VACCINE
saha dipon	asdd	2015-11-03	asd

To see the notification under any campaign patient has to hit **View Notification** button. Then he has to **Select** campaign. Then he will be able to see the notification

VIEW NOTIFICATIONS

SELECT NOTIFICATIONS

	Campaign Name	Date & Time
Select	Vitamin- A 2015	11-12-2015 03-37-03 AM

NOTIFICATION MESSAGE:

You have to come to the center between 8.00am to 5pm