

DISM PROJECT

VACCINATION-SYSTEM

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SUBMITTED TO:

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I would like to acknowledge and give my warmest thanks to my supervisor **SIR MUHAMMAD AQUEEL** who made this work possible. Her guidance and advice carried me through all the stages of writing my project.

I would also like to thank my group members for letting my defense be an enjoyable moment, and for your brilliant comments and suggestions, thanks to you.

I would also like to thank the staff of APTECH METRO STAR GATE due to this pandemic Situation they give me the permission to visit their offices to solve my problem.

CERTIFICATE OF COMPLETION

This is to certify that S.Shayan Ali, M. Hassan Ansari and SHAFQAT HUSSAIN have successfully **Designed & Developed DISM PROJECT "*VACCINATION-SYSTEM*".**

Date of Submission

February 21, 2023

Authorized Signature

Muhammad Aqueel

System Modules:

Admin

- All child details
- Date & time of vaccination
- Report of vaccination
 - Child, Vaccination (Date wise report)
- List of vaccine
 - available or unavailable
- Request from parents
 - Approve or Reject
- Add Hospital
 - Update/Delete Hospital
- List of hospitals
- Booking Details

Parent

- Register & Login
- Details of child
- Vaccination Dates
- Book Hospital
- Request for hospital
- Report of vaccination taken
- My profile

Hospital

- Register & Login
- Update Vaccine status

Modules Description

Admin

- All child details
 - View all child profile details
- Date of vaccination
 - Upcoming Date of vaccination of all child
- Report of vaccination
 - Child, Vaccination (Date wise report)
- List of vaccine

- available or unavailable
 - Admin can view the availability of the vaccination
- Request from parents
 - Approve or Reject
 - Once the request for appointment from parent side, it will be approved from the admin
- Add Hospital
 - Admin can add the hospital details
- Update/Delete Hospital
 - Admin can update or delete the hospital details
- List of hospitals
 - Admin can view the hospital details
- Booking Details
 - Admin can view the booking details from parent side for booking vaccination

Parent

- Details of child
 - Update and maintain the child details of vaccination
- Vaccination Dates
 - Can get notified through in Dashboard of their respective accounts about upcoming vaccinations.
- Book Hospital
 - User can search the list of hospital and book schedule for the vaccine dates
- Report of vaccination taken
 - Can get the report status of previous vaccination of their respective Infants

Hospital

- Register & Login
 - Can register and login into the app with hospital name, address and location details.
- Update Vaccine status

Hospital will receive the appointment once its booked from admin side. If vaccination is completed they will update the status to Vaccinated or not.

Hardware Requirements:

- A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better
- 128 Megabytes of RAM or better

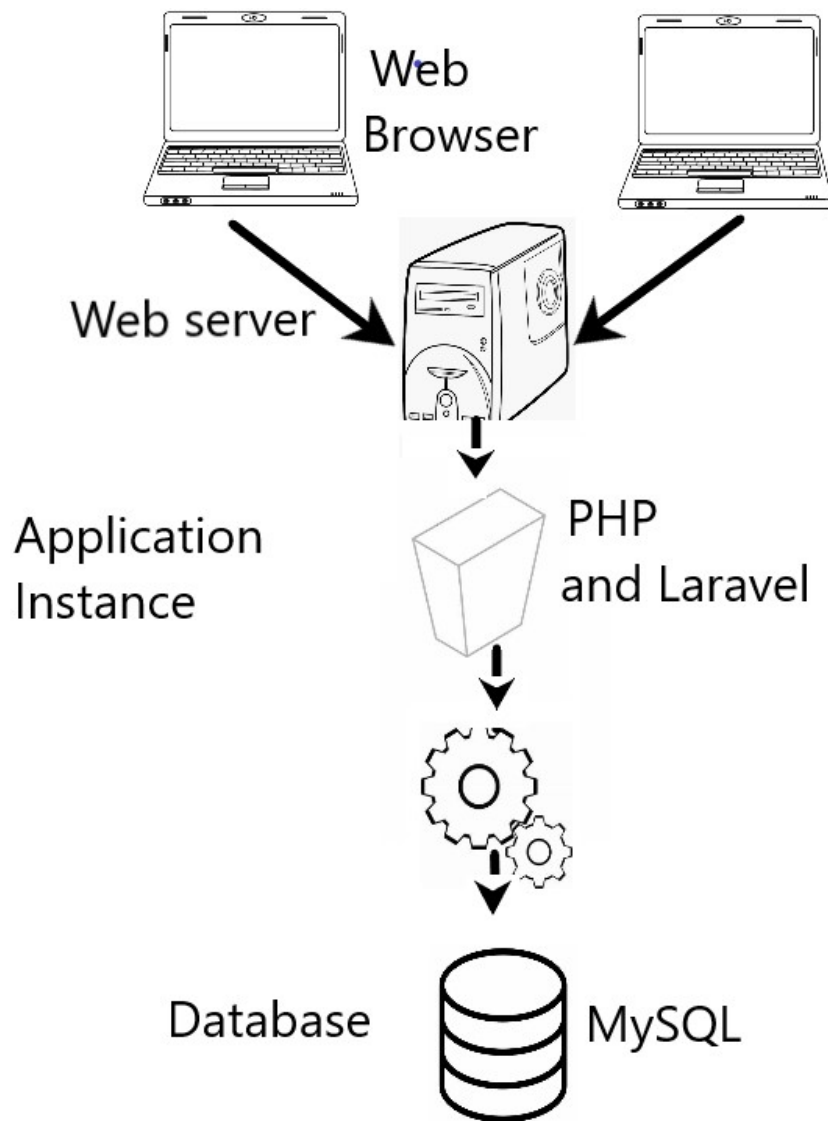
- Software Requirements:

- PHP
- MySQL
- PERL
- Apache

Operating System

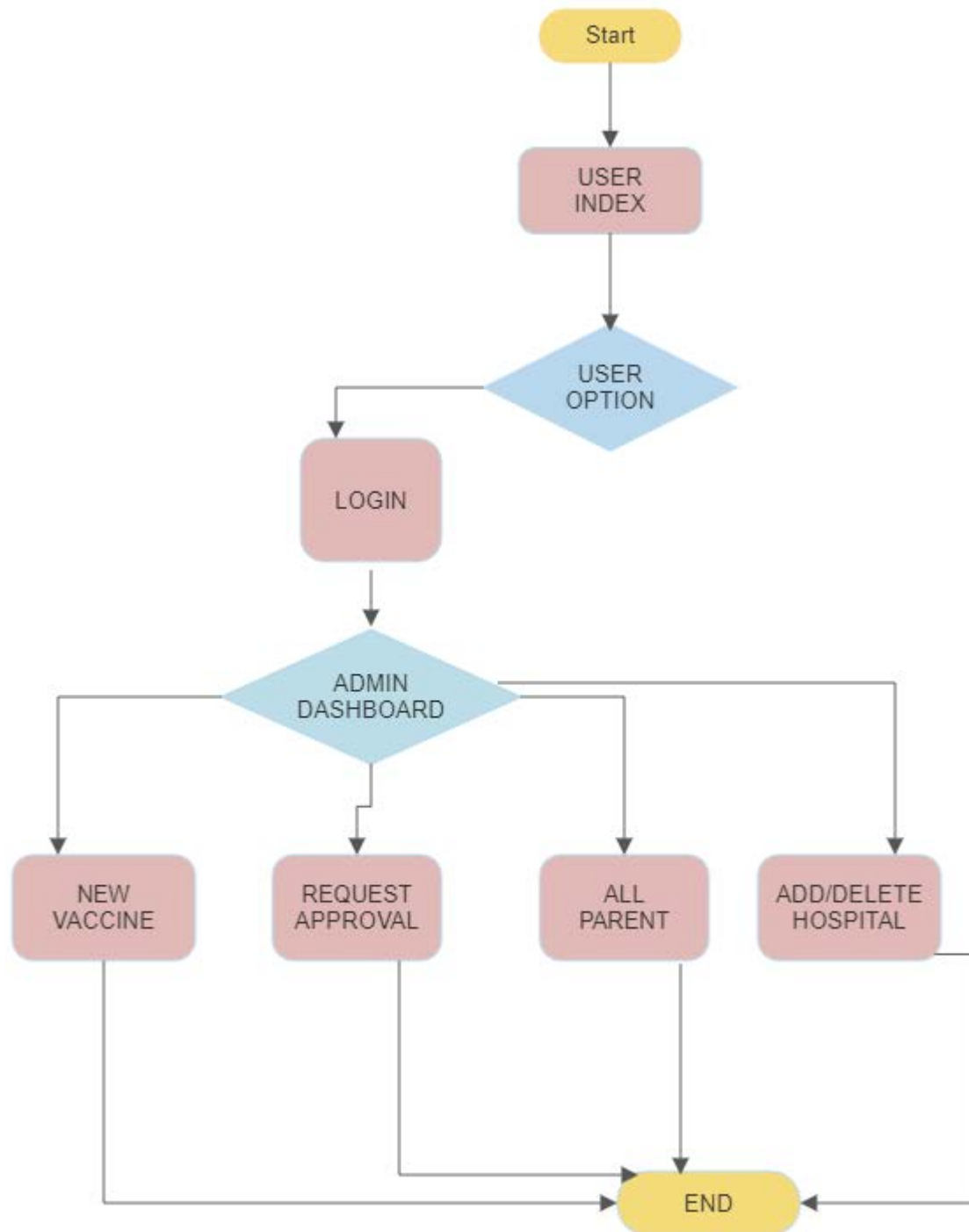
LINUX / Windows 2000 Server (or higher if possible)

Architecture and Design of the Project:

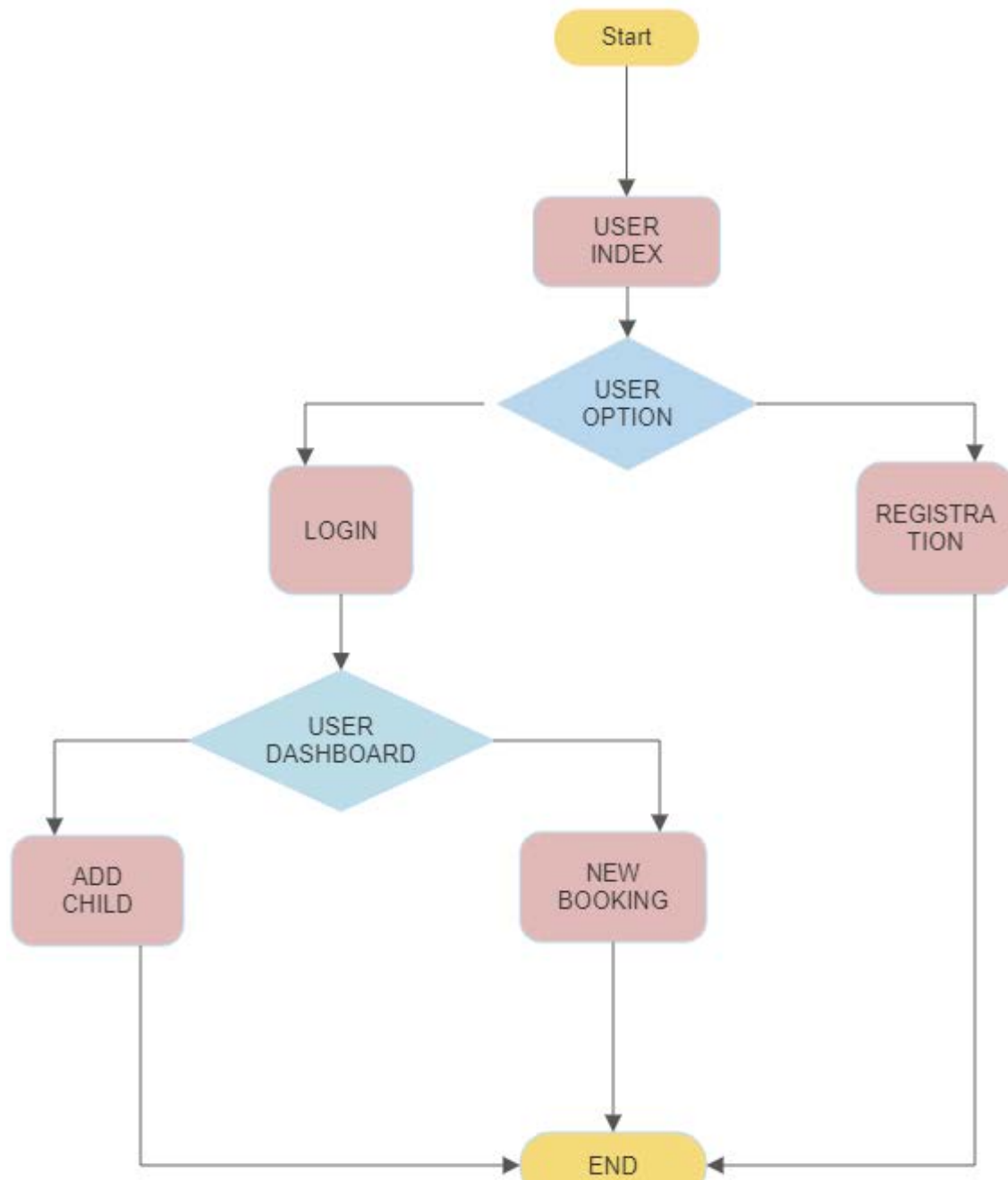


Flow Chart

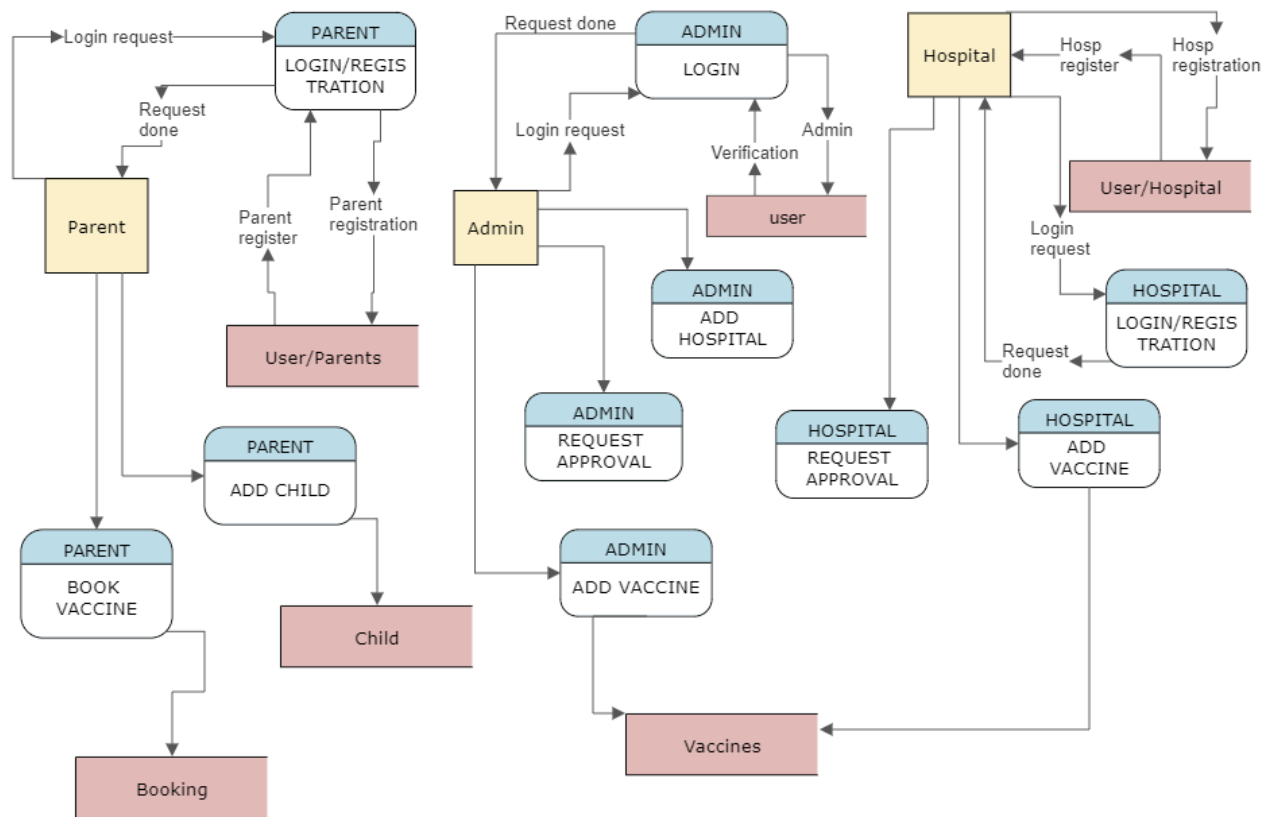
ADMIN FLOW CHART



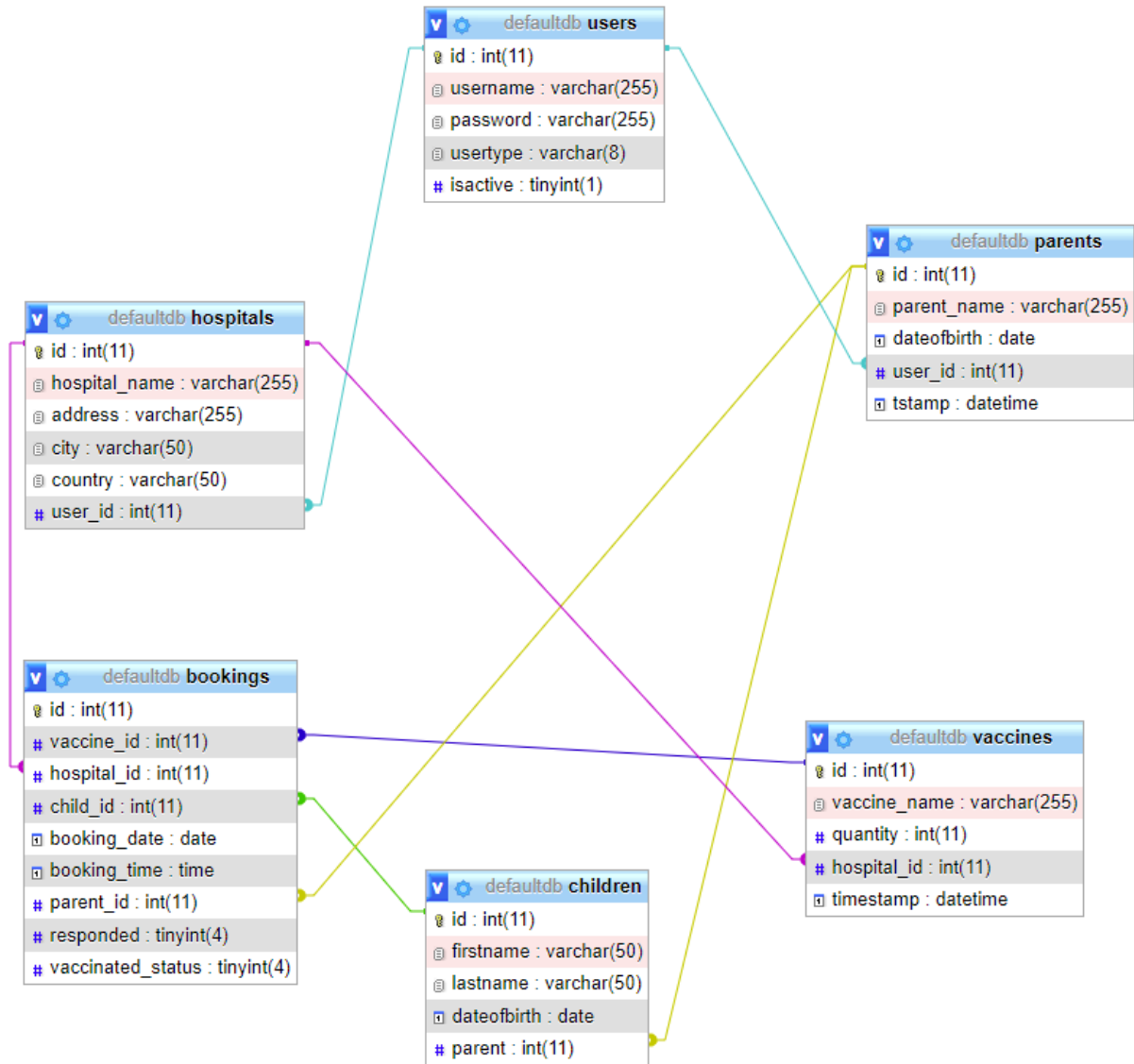
USER FLOW CHART



Data Flow Diagram



Entity Relationship (ER) Diagram



Checklist of Validations:

Option	Validated
Do all numeric variables have a default value of zero?	Yes
Does the administer have all the rights to create and delete record?	Yes
Are all the record properly fed into the appropriate database?	Yes
Have all the modules been properly integrated are completely functional?	Yes
Have all the Design and coding Standards been followed and implemented?	Yes
Is the GUI design consistent all over?	Yes
Is the navigation sequence correct through all the forms/screens in the application?	Yes
Is exception handling mechanism implemented in all the screens?	Yes
Are all the program codes working?	Yes

Submission Checklist

Sr.NO.	Particulars	Yes	No	NA	Comments
1	Are all user able to search for a particular record?	Yes			
2	Are all old records properly saved and retrieved when required?	Yes			
3	Have all modules been properly integrated and are completely functional?	Yes			
4	Are GUI contents devoid of spelling mistake?	Yes			
5	Is the application user-friendly?	Yes			
6	Is the project published properly into a setup file?	Yes			

Database Design /Structure

The database design structure of different tables is given in following section:

User: The table maintains information related to User.			
Field Name	Data Type	Key	Description
User _ID	Int(11)	PK	Store the User_ID
User_Name	Varchar(255)		Store the name of the User
Password	Varchar(255)		Store the user Password
Usertype	Varchar(8)		Store the User type
Isactive	Tinyint (1)		Store the Is active

Parent: The table maintains information related to Parent.			
Field Name	Data Type	Key	Description
Parent _ID	Int(11)	PK	Store the Parent _ID
Parent _Name	Varchar(255)		Store the name of the Parent
Date of Birth	Date		Store the Date of Birth
User _ID	Int(11)	FK	Store the User _ID
Timestamp	Datetime		Store the Timestamp

Child: The table maintains information related to Child.			
Field Name	Data Type	Key	Description
Child _ID	Int(11)	PK	Store the Child _ID
First _Name	Varchar(50)		Store the First name
Last _Name	Varchar (50)		Store the Last name
Date of Birth	Date		Store the Date of Birth
Parent	Int (11)		Store the Parent

Hospitals: The table maintains information related to Hospital.			
Field Name	Data Type	Key	Description
Hospital _ID	Int(11)	PK	Store the Hospital _ID
Hospital _name	Varchar(255)		Store the Hospital _name
Address	Varchar(255)		Store the Address
City	Varchar(50)		Store the City
Country	Varchar(50)		Store the Country
User _ID	Int (11)	FK	Store the User _ID

Vaccines: The table maintains information related to Vaccines.			
Field Name	Data Type	Key	Description
Vaccine _ID	Int(11)	PK	Store the Vaccine _ID
Vaccine _name	Varchar (255)		Store the Vaccine _name
Quantity	Int(11)		Store the Quantity
Hospital _ID	Int (11)	FK	Store the Hospital _ID
Timestamp	Date Time		Store Date & Time

Booking: The table maintains information related to Booking.			
Field Name	Data Type	Key	Description
Booking _ID	Int(11)	PK	Store the Booking _ID
Vaccine _ID	Int(11)	FK	Store the Vaccine _ID
Hospital _ID	Int(11)	FK	Store the Hospital _ID
Child _ID	Int (20)	FK	Store the Child _ID
Booking _date	Date		Store the Booking _date
Booking _time	Time		Store the Booking _time
Parent _ID	Int (11)	FK	Store the Parent _ID
Responded	Tiny int (4)		Store the Responded
Vaccinated _status	Tiny int (4)		Store the Vaccination _status

All Parents Page

Vaccinate Meadmin ▾

All Parents

Hospitals

Requests

Vaccines

All Parents

Id	Parent Name	Date Of Birth
1	Azhar Ali	1982-08-06
2	Umer Khan	1975-02-02
3	Saim Ahmed	1986-11-20

In this page, all the parents' info is available with their children info.







A modal will open by clicking the parent row showing all the children info.

Azhar Ali

Children Details

Firstname	Lastname	Date of birth
Child	No. 1	2010-06-01
Child	No. 2	2007-02-02

Hospitals Page

Vaccinate Me							admin ▾
<div>All Parents</div> <div>Hospitals</div> <div>Requests</div> <div>Vaccines</div>							New Hospital
	Id	Hospital Name	Address	City	Country	Actions	
	1	New Street Hospital	1234, Old Street	Munich	Germany	 	
	2	Jinnah Hospital	3454, New Street	Karachi	Pakistan	 	
	3	Crescent Hospital	3454, New Street	Karachi	Pakistan	 	

This page shows all the available hospitals with all their info like address, city & country. You can also edit or delete a hospital.

New Street Hospital

Name

New Street Hospital

Address

1234, Old Street

City

Munich

Country

Germany

Cancel

Edit

Delete Hospital

Are you sure you want to delete **New Street Hospital**? All vaccines associated with this hospital will also be deleted.

Cancel

Yes, Delete

Clicking the button on the top right, you can also create a new hospital entry.

Vaccines Page

All Parents						New Vaccine
Hospitals	Id	Vaccine Name	Quantity	Hospital	Actions	
Requests	1	Corona	450	New Street Hospital	✓ ✕	
Vaccines	2	Polio	670	New Street Hospital	✓ ✕	
	3	Corona	75	Jinnah Hospital	✓ ✕	
	4	Polio	50	Jinnah Hospital	✓ ✕	
	5	Dengue	100	Jinnah Hospital	✓ ✕	
	6	Corona	50	Crescent Hospital	✓ ✕	

This page will show all the available vaccines, their quantity and with a link to the affiliated hospital (to the hospitals page).

You can also update the quantity of vaccine, or delete if no longer available.

Parents Dashboard

Vaccinate Me					Azhar Ali ▾
Children					Add Child
Bookings	First Name	Last Name	Date Of Birth	Actions	
	Child	No. 1	2010-06-01	<input checked="" type="checkbox"/>	
	Child	No. 2	2007-02-02	<input checked="" type="checkbox"/>	

Parents' dashboard contains two pages, children & bookings.

The children page shows all the child info (if logged in as parent) with the option to edit the first and last name.

Also, you can add new child info with the date of birth, first name & the last name.

Children							New Booking
Bookings	Child Name	Vaccine	Time	Date	Status	Vaccination Report	
	Child No. 1	Corona	05:00:00	2022-12-22	Completed	Negative <input checked="" type="checkbox"/>	
	Child No. 1	Polio	17:30:00	2022-12-23	Completed	Positive <input type="checkbox"/>	
	Child No. 2	Corona	08:00:00	2022-12-26	Completed	Positive <input type="checkbox"/>	
	Child No. 2	Corona	13:00:00	2023-01-01	Rejected	Not available	

The Bookings Page shows all the bookings, their status and the reports if completed.