Project Report
CSE 311L
Section 9
COVID 19 Management System
Summer 2020
North South University

Submitted to: Sajid Ahmed

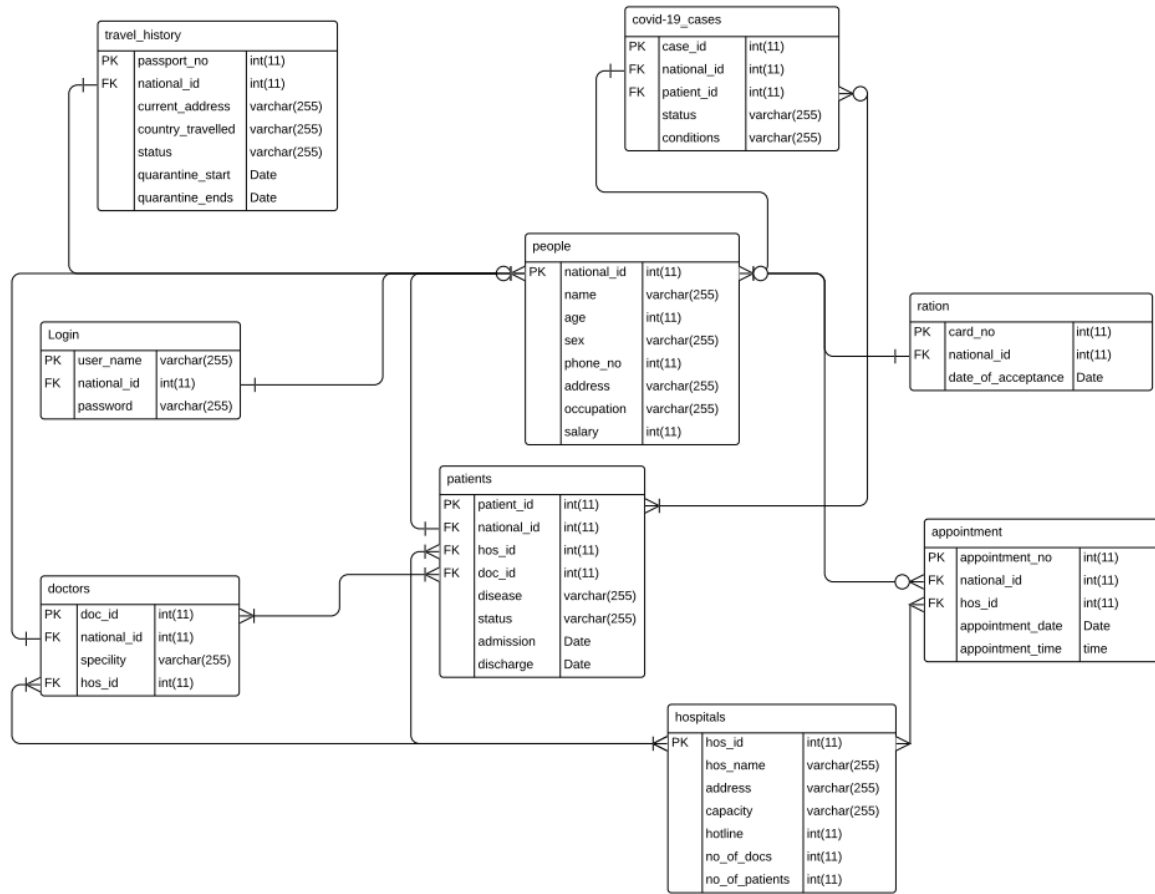| Name	ID	Email	Group
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Project Name: COVID 19 Management System

Introduction:

We have made a user-friendly webpage where people can look for covid-19 situation of X area. The project "Epidemic Management System" includes registration of people, hospital, patients, doctors, cocid-19 cases, people's travel history and ration. The system has the facility to give a unique id for every patient and store their details. The Epidemic Management System can be entered using a username and password. It is accessible by administrators only and only they can add data into the database. The data can be retrieved easily and seen as table. This was designed to improve the quality and management of an affected area.

Technology stacks :

1. MySQL & XAMP – we have made the "COVID 19 Management System" database and the tables in the database using MySQL.

2. HTML – The frontend of the webpage is structured using HTML.

3. CSS – Styling elements have been added to the homepage using CSS.

4. PHP – We have used PHP in the backend so that our webpage connects with the database and functions smoothly.

5. MS Word – We have used MS word to make ER diagrams.

6. Adobe Illustrator – For ER diagrams.

ER Diagram

travel_history

PK	passport_no	int(11)
FK	national_id	int(11)
	current_address	varchar(255)
	country_travelled	varchar(255)
	status	varchar(255)
	quarantine_start	Date
	quarantine_ends	Date

covid-19_cases

PK	case_id	int(11)
FK	national_id	int(11)
FK	patient_id	int(11)
	status	varchar(255)
	conditions	varchar(255)

people

PK	national_id	int(11)
	name	varchar(255)
	age	int(11)
	sex	varchar(255)
	phone_no	int(11)
	address	varchar(255)
	occupation	varchar(255)
	salary	int(11)

ration

PK	card_no	int(11)
FK	national_id	int(11)
	date_of_acceptance	Date

Login

PK	user_name	varchar(255)
FK	national_id	int(11)
	password	varchar(255)

patients

PK	patient_id	int(11)
FK	national_id	int(11)
FK	hos_id	int(11)
FK	doc_id	int(11)
	disease	varchar(255)
	status	varchar(255)
	admission	Date
	discharge	Date

appointment

PK	appointment_no	int(11)
FK	national_id	int(11)
FK	hos_id	int(11)
	appointment_date	Date
	appointment_time	time

doctors

PK	doc_id	int(11)
FK	national_id	int(11)
	specility	varchar(255)
FK	hos_id	int(11)

hospitals

PK	hos_id	int(11)
	hos_name	varchar(255)
	address	varchar(255)
	capacity	varchar(255)
	hotline	int(11)
	no_of_docs	int(11)
	no_of_patients	int(11)

Database Normalization Steps:

1. It is 1st Normalization form because, there is a primary key on which other attributes are dependent on and all the data is atomic.
2. It is in 2nd Normalization form because in all the schemas there is no functional dependencies.
3. Finally, it is in 3rd Normalization form since there is no transitive dependency.

Work contribution

Talukder Abdullah Al Talha	Shahriar Jabin Abir	Sumaiya Ahamed
1. People Table 2. Ration Table 3. Travel Table 4. Project Report	1. Wrote Project Proposal. 2. Created Doctors Table 3. Patient table 4. Hospital Table 5. Backend Login 6. Wrote Project Report	1.Wrote Project Proposal 2.Designed the ER Diagram 3.Designed Home Page 4.Made Appointment Page 5.Made Login Page 6.Designed Button 7.Made 3 Database Tables 8.Wrote Project Report