start

imports all necessary modules

defines doctor struct

defines doctor attributes: first\_name, last\_name, prctise\_number, hospital, phonenumber, password;

defines method : signup;

function signup;

print registration form title and details

input doctor details from input

open users\_table.csv for appending

if file is open

append doctor details

else

print “unable to register doctor”

close file

print “registration complete”

defines parent structure;

defines parent attributse

defines nurse structure;

define vaccination structure

input vaccination details

open vaccination\_table.csv for appending

if file is open

append vaccination data

else

print unable to open file for writing

endif

close file

define medication structure

function register\_medication

input medicaton details

open medicatl\_table.csv for appending

if file is opent

append medication details into file

else

print unable to open file for writing

endif

close file

function masking\_function(maskChildFullName , maskGuardianName);

function readChildFile

open ‘users\_table.csv’ , read linees into parent objects

int main

display main menu

read user\_choice

switch case on user choice

case 1: call login function

case 2: call signup\_function

end

function signin

pring signin options

read user choice

switch case of user choice

case 1 : call nurse login

case 2: call doctor login

case 3: call chilld login

break

function signup

print signup options

read user choice

switch case of user choice

case 1 : call nurse login

case 2: call doctor login

case 3: call chilld login

break

function login

determine user role using first value of the string

read login creds based on role

validate credentials against the file

call respective main menu function based on role

function nurse\_main\_menu

display nurse menu choices

read choice

switch case on user choice and call appropriate functions

function child\_main\_menu

display child/parent menu choices

read choice

switch case on user choice and call appropriate functions

function doctor\_main\_menu

display doctor menu choice

read choice

switch case on user choice and call appropriate functions