

ALGORITHM

Algorithm of main() function

Step 1: START

Step 2: call head function

Step 3: Take input pass, and set "UEMK" in password and set 0 in i

Step 4: if strcmp(pass,password) is equal to 0 then clearscreen and execute menu function

Step 5: print "Wrong password Enter 1 to try again and 0 to exit

Step 6: login_try

Step 7: if main_exit is equals to 1 then clearscreen and execute main function
else if main_exit is equals to 0 then cleaescreeen and execute close function
else print"Invalid" clearscreen and goto login_try

Step 8: END

Algorithm of menu() function

Step 1: START

Step 2: clearscreen and take input choice

Step 3: print "Remedy plus care Enter your choice"

Step 4: switch(choice)

 If case 1 is true then execute new_rec()function

 If case 2 is true then execute d_a_diag_report()function

 If case 3 is true then execute display_rec()function

 If case 4 is true then execute view_list()function

 If case 5 is true then execute hist()function

 If case 6 is true then execute exit()function

 If case 7 is true then clearscreen

Step 5: print"Group members Roll Student name

 Enter 1 to main menu"

Step 6: add_invalid8 and clearscreen

Step 7: if main_exit is equals to 1 then execute menu()function else print"Invalid" and goto add_invalid8

Step 8: END

Algorithm of menu() function

Step 1: START

Step 2: print"HOSPITAL MANAGEMENT SYSTEM"

Step 3: clearscreen

Step 4: print "DON'T USE SPACE FOR GAPPING IN RUNTIME INPUT YOU CAN USE '-' OR '_' FOR GAPPING"

Step 5: clearscreen

Step 6: END

Algorithm of new_rec() function

Step 1: START

Step 2: take input choice, FILE*ptr

Step 3: ptr=fopen("record.dat","a+")

Step 4: id_no and clearscreen

Step 5: print" ADD RECORD Enter today's date(mm/dd/yyyy)

Enter the ID number(Only numbers)"

Step6:Ifadd.id_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,add.address,add.disease,add.phone,add.sex,add.amt,add.addrec.month,add.addrec.day,add.addrec.year)!=EOF then check if check_idno is equals to add_idno

Step 7: print"id no. already in use"

Step 8: goto id_no

Step 9: print" Enter the name, Enter the date of birth(mm/dd/yyyy), sex of patient, Enter the age, Enter the address, Enter the disease, Enter the phone number, Enter the total amount for book a bed rs"

Step 10: fclose(ptr) and add_invalid

Step 11: print"Account created successfully ,Enter 1 to go to main menu and 0 to exit"

Step 12: if main_exit is equals to 1 then execute menu() function else if main_exit is equals to 0 then exit function else print"Invalid" clears screen and goto add_invalid

Step 13: END

Algorithm of a diag_report() function

Step 1: START

Step 2: take input FILE *ptrda,*ptrff

Step 3: ptrda=fopen("record2.dat","a+") and account_no5: and clears screen

Step 4: print"ADD DIAGNOSTIC REPORT Enter the ID number of patient :"

Step 5: ptrff=fopen("record.dat","r") and check.id_no=chk.id_no

Step 6:

if add.id_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,add.address,add.disease,add.phone,add.sex,add.amt,add.addrec.month,add.addrec.day,add.addrec.year)!=EOF then check if check_idno is equals to add_idno

Step 7: print"Date of admit"

Step 8: fclose(ptrff)

Step 9:

if add.id_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,add.address,add.disease,add.phone,add.sex,add.amt,add.addrec.month,add.addrec.day,add.addrec.year)!=EOF then check if check_idno is equals to add_idno

Step 10: print"id no. already in use"

Step 11: goto account_no6

Step 12: a_a_idno=chk_idno

Step 13: print"Enter today's date(mm/dd/yyyy):,Enter the name of patient :,
Enter the ward no:;Enter the disease:;Symptoms :,Enter the bed number:;

DETAILS OF TREATMENT(Don't use any space,you can use '-'or '_'),Total Treatment Amount : Record added successfully! Enter 1 to main menu and 0 to exit

Step 14: fclose(ptrda) and clearscreen and d_a_invalid

Step 15: if main_exit is equals to 1 then execute menu() function else if main_exit is equals to 0 then exit function else print"Invalid" and goto d_a_invalid

Step 16: END

Algorithm of view list() function

Step 1: START

Step 2: take input FILE*view

Step 3: view=fopen("record.dat","r") and set 0 in test and clearscreen

Step 4:

if add.id_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,add.address,add.disease,add.phone,add.sex,add.amt,add.addrec.month,add.addrec.day,add.addrec.year)!=EOF

Step 5: test is incremented by 1 and fclose(view)

Step 6: if test is equal to 0 then clearscreen

Step 7: print"NO RECORDS"

Step 8: take input n1 and view_list_invalid:

Step 9: print"Enter 1 to go main menu and 0 to exit the program"

Step 10: if n1 is equals to 1 then execute menu function else if n1 is equals to 0 then exit else print " Invalid" and goto view_list_invalid

Step 11: END

Algorithm of hist() function

Step 1: START

Step 2: clearscreen

Step 3: print" History About remedy plus care"

Step 4: if main_exit is equals to 1 then execute menu() function else print "Invalid" and goto add_invalid9

Step 5: END

Algorithm of both() function

Step 1: START

Step 2: take input comid, test=0 and FILE *dispd

Step 3: dispd=fopen("record.dat", "r") and check_id=comid

Step 4: print "Enter the id no. of patient"

Step 5:

if add.id_no, add.name, add.dob.month, add.dob.day, add.dob.year, add.age, add.address, add.disease, add.phone, add.sex, add.amt, add.addrec.month, add.addrec.day, add.addrec.year) != EOF then check if check_idno is equals to add_idno

Step 6: print "Id no. DOB, Age, Address, Disease, Phonenummer, Sex, Amount gain, Date of admit, Diagnostic report"

Step 7: fclose(dispd) and FILE *ptrda, test2=0, ptrda=fopen("record2.dat", "r") and chk_no=comid

Step 8:

if add.id_no, add.name, add.dob.month, add.dob.day, add.dob.year, add.age, add.address, add.disease, add.phone, add.sex, add.amt, add.addrec.month, add.addrec.day, add.addrec.year) != EOF then check if check_idno is equals to add_idno

Then test2=1

Step 9: print "Ward no. disease, symptoms, bed number, treatment, total treatment cost rs, date of adding this diagnostic report"

Step 10: add_invalid7

Step 11: print "Enter 1 to try again and 0 to main menu"

Step 12: clearscreen

Step 13: if main_exit is equals to 1 then execute dis_diag_report() function else if main_exit is equals to 0 then menu function else print "Invalid" and goto add_invalid7

Step 14: fclose(ptrda)

Step 15: If test==0 and test2 == 0 then print "This id number is not found"

Step 16: if main_exit is equals to 1 then execute menu() function else if main_exit is equals to 0 then exit function else print "Invalid" and goto add_invalid

Step 17: if test=0 then print "patient details is missing"

Step 18: d_a_invalid2 and clearscreen

Step 19: print "Enter 1 to try again and 0 to main menu"

Step 20: if main_exit is equals to 1 then execute menu() function else if main_exit is equals to 0 then exit function else print "Invalid" and goto d_a_invalid2

Step 21: if test2=0 then print "patient details is missing"

Step 22: d_a_invalid3 and clearscreen

Step 23: print "Enter 1 to try again and 0 to main menu"

Step 24: if main_exit is equals to 1 then execute menu() function else if main_exit is equals to 0 then exit function else print "Invalid" and goto d_a_invalid3

Step 25: END

Algorithm of dis_pd() function

Step 1: start

Step 2: take input comit, test=0, FILE *dispd

Step 3: dispd=fopen("record.dat", "r") and check.id_no=comid

Step 4: print "Enter the id of the patient"

Step 5:

if add.id_no, add.name, add.dob.month, add.dob.day, add.dob.year, add.age, add.address, add.disease, add.phone, add.sex, add.amt, add.addrec.month, add.addrec.day, add.addrec.year) != EOF then check if check_idno is equals to add_idno

Step 6: print "Id no. DOB, Age, Address, Disease, Phonenum, Sex, Amount gain, Date of admit, Diagnostic report"

Step 7: fclose() and add_invalid5 and clearscreen

Step 8:

if add.id_no, add.name, add.dob.month, add.dob.day, add.dob.year, add.age, add.address, add.disease, add.phone, add.sex, add.amt, add.addrec.month, add.addrec.day, add.addrec.year) != EOF then check if check_idno is equals to add_idno

Step 9: print "Date of admit"

Step 10: fclose(ptrff)

Step 11:

if add.id_no, add.name, add.dob.month, add.dob.day, add.dob.year, add.age, add.address, add.disease, add.phone, add.sex, add.amt, add.addrec.month, add.addrec.day, add.addrec.year) != EOF then check if d_a_idno is equals to chk_idno

Step 12: print "Ward no. disease, symptoms, bed number, treatment, total treatment cost rs , date of adding this diagnostic report"

Step 13: add_invalid5 and clearscreen

Step 14: if main_exit is equals to 1 then execute dis_diag_repot() function else if main_exit is equals to 0 then menu function else print "Invalid" and goto add_invalid5

Step 15: fclose(ptrda)

Step 16: If test==0 then print "Sorry, diagnostic report is not found"

Enter 1 to try again and 0 to main menu"

Step 17: add_invalid7 and clearscreen

Step 18:

if add.id_no, add.name, add.dob.month, add.dob.day, add.dob.year, add.age, add.address, add.disease, add.phone, add.sex, add.amt, add.addrec.month, add.addrec.day, add.addrec.year) != EOF then check if d_a_idno is equals to chk_idno

Step 19: print "Date of admit"

Step 20: fclose(ptrf)

Step 21:

if add.id_no, add.name, add.dob.month, add.dob.day, add.dob.year, add.age, add.address, add.disease, add.phone, add.sex, add.amt, add.addrec.month, add.addrec.day, add.addrec.year) != EOF then check if d_a_idno is equals to chk_idno

Step 22: print"Ward no. disease,symptoms,bed number,treatment, total treatment cost rs , date of adding this diagnostic report Enter 1 to try again and 0 to main menu"

Step 23: add_invalid5 and clearsreen

Step 24: if main_exit is equals to 1 then execute di_diag_report () function else if main_exit is equals to 0 then menu function else print"Invalid" and goto add_invalid5

Step 25:fclose(ptrda)

Step 26: if test2== 0 then print"Sorry,diagnostic report is not found,Enter 1 to try again and 0 to main menu"

Step 27: add_invalid6 and clearsreen

Step 28: if main_exit is equals to 1 then execute di_diag_report () function else if main_exit is equals to 0 then menu function else print"Invalid" and goto add_invalid5

Step 29: END

Algorithm of display_rec () function

Step 1: START

Step 2: take input choose

Step 3: label and clearsreen

Step 4: print"patient details category> 1.Patient details 2> Patient dianostic reportPatientm details with diagnostic reports 4>Home5>Exit program Enter your choice"

Step 5: switch(choose)

 If case 2 is true then execute dis_pd function

 If case 2 is true then execute dis_diag_report function

 If case 2 is true then execute both function

 If case 2 is true then execute menu function

 If case 2 is true then execute exit function

 If Default is true then print"Invalid" and goto label

Step 6: END

At the beginning of the program

Take struct input date, struct input diagnostic, struct input patient details

