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CPSC301-01

**Design Pseudocode for Patient Records**

1. Keep track of patients at a walk-in clinic
2. Declare an empty checkin[10]
3. Read in from a binary file called CurrentPatients.txt
4. Enter current date
5. Print Menu and Repeat it until appropriate letter is chosen
   * + 1. Declare an empty checkin[10]

Patient checkin[10] , countCheckin = 0

1. Read in from a binary file called CurrentPatients.txt

Open CurrentPatients.txt

Declare a Patient object of array patient[20]

Read countAll

For each index i, Read each patient information to patient[i]

Close CurrentPatients.txt

1. Enter current date

Day month and year are stored in a procedure object

1. Print Menu and Repeat it until appropriate letter is chosen
   1. Do while loop to repeat menu until appropriate letter is chosen
   2. Identify which option corresponding to the letter entered

N – Check in a new patient

Input first name, last name, birthdate, primary doctor’s iD of new patient in patient[] and checkin[]

Increment ID

R – Checking in a returning patient

Do while loop to repeat finding a patient using ID from patient[] until found,

For each index i of patient[]

If found, store all information from patient[i] in checkin[]

If not found

O - Check out a patient

Do while loop to find a patient from checkin[] using ID until found

For each index i of checkin[]

If found, create a new procedure in record[] with current date, procedure id and provider id

Increment currentCountProcedure

Remove checkin[i]

Decrement countCheckin

Update the list of patient from checkin[]

I - Print all information of a patient

Do while loop to find a patient from patient[] using ID until found

For each index I of patient[]

Print all information of that patient and list of past

Procedures

P - Print lists of patient checked in but didn’t check out

Print all information of all checked in patients from checkin[]

Q - quit the program

If count = 0

print list of patient from patient[] to binary file

else

print list of patient that checked in from checkin[]

choice = ‘A’

Struct procedure

Date dateOfProcedure;

Int procedureID;

int procedureProviderID;

};

class Date {

static const int days[]; // array of days per month

static const string monthName[]; // array of month names

void helpIncrement(); // utility function

};

class Patient {

int ID;

char firstName[15];

char lastName [15];

Date birthdate;

**int primaryDoctorID; //Add**

procedure record[500];

int currentCountOfProcedures;

};