// COSC 1320 Summer 2015

// Name: Adrian

// Programming Assignment 1

// This is my own work; I will not post

package programmingassignment1;

import java.util.Scanner;

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public class View {

private Scanner keyboard = new Scanner(System.in);

public void showMenu(){

System.out.println("hit");

String[] optArr = {"Add an employee" , "Delete an employee" , "Display all employees" , "Read from a file" , "Save to file" , "Exit"};

int choice = 0;

do{

System.out.println("Please select an action: ");

for(int i = 0; i < optArr.length; i++){

System.out.println((i+1) + ": " + optArr[i]);

}

choice = keyboard.nextInt();

keyboard.nextLine();

switch(choice-1){

case 0:

enterEmployeeData();

break;

case 1:

deleteEmployeeData();

break;

case 2:

displayEmployeeData();

break;

case 3:

readDataFromFile();

break;

case 4:

writeDataToFile();

break;

case 5:

System.out.println("System will now close.");

System.exit(0);

break;

default:

System.out.println("Input not recognized.");

}

}while(choice != 5);

}

public void enterEmployeeData(){

System.out.println("Enter a role:");

char newRole = keyboard.next().charAt(0);

System.out.println("Enter employee's name:");

String newName = keyboard.next();

System.out.println("Enter employee's ID number:");

int newID = keyboard.nextInt();

String newSpec;

String newDept;

int ptCnt;

char working;

// asks for role and calls corresponding class constructor after asking for appropriate data

switch(newRole){

case 'h':

HospitalEmployee hosEmp = new HospitalEmployee(newRole , newName , newID);

break;

case 'd':

System.out.println("Enter Doctor's specialty: ");

newSpec = keyboard.next();

Doctor doc = new Doctor(newRole , newName , newID , newSpec);

break;

case 's':

System.out.println("Enter Surgeon's specialty: ");

newSpec = keyboard.next();

System.out.println("Is the Surgeon operating (Y/N)? ");

working = keyboard.next().charAt(0);

Surgeon surge = new Surgeon(newRole , newName , newID , newSpec , Character.toUpperCase(working));

break;

case 'n':

System.out.println("Enter Nurse's number of patients: ");

ptCnt = keyboard.nextInt();

Nurse nurse = new Nurse(newRole , newName , newID , ptCnt);

break;

case 'a':

System.out.println("Enter Administrator's department: ");

newDept = keyboard.next();

Administrator admin = new Administrator(newRole , newName , newID , newDept);

break;

case 'r':

System.out.println("Enter Receptionist's department: ");

newDept = keyboard.next();

System.out.println("Is the Receptionist answering calls (Y/N)? ");

working = keyboard.next().charAt(0);

Receptionist rec = new Receptionist(newRole , newName , newID , newDept , Character.toUpperCase(working));

break;

case 'j':

System.out.println("Enter Janitor's department: ");

newDept = keyboard.next();

System.out.println("Is the Janitor sweeping (Y/N)? ");

working = keyboard.next().charAt(0);

Janitor jan = new Janitor(newRole , newName , newID , newDept , Character.toUpperCase(working));

break;

default:

System.out.println("Role not found");

break;

}

}

public void deleteEmployeeData(){

System.out.println("Enter Employee's role that you would like to delete:");

char empRole = keyboard.next().charAt(0);

System.out.println("Enter Employee's name that you would like to delete:");

String empName = keyboard.next();

Employee.deleteEmployee(empName, empRole);

}

public void displayEmployeeData(){

//I'm not sure why the Name isn't being displayed properly

//It spits out "programmingassignment1.Class@hexCode"

Employee.displayEmployees(true);

}

public void readDataFromFile(){

System.out.println("Enter the file path: ");

//String file = keyboard.nextLine();

String file = "Programming Assignment 1 Data.txt";

Employee.readFile(file);

}

public void writeDataToFile(){

System.out.println("Enter the file path: ");

//String file = keyboard.nextLine();

String file = "Programming Assignment 1 Data.txt";

Employee.writeFile(file);

}

}