import java.util.\*;

public class Main {

private final List<Applicants> applicantList = new ArrayList<>();

private final List<Jobs> jobList = new ArrayList<>();

public static Scanner in = new Scanner(System.in);

public static Main main = new Main();

public static String userEmail, userPassword;

public static String recEmail, recPassword;

public static void main(String[] args) {

mainFunction();

}

public static void mainFunction(){

int choose;

try {

System.out.print("- - - - - - - - - - - - - - -\n");

System.out.print(" JOB PORTAL SYSTEM\n");

System.out.print("- - - - - - - - - - - - - - -");

System.out.print("\n1. FOR EMPLOYER \n2. FOR APPLICANTS \n3. EXIT");

System.out.print("\n- - - - - - - - - - - - - - -\n");

System.out.print("ENTER NUMBER : ");

choose = in.nextInt();

switch(choose)

{

case 1:

main.RecruiterChoice();

break;

case 2:

main.ApplicantsChoice();

break;

case 3:

System.exit(choose);

break;

}

}

catch(Exception ex)

{

System.out.println("Please Choose 1 to 3" + ex.getMessage());

}

}

private void ApplicantsRegistration()

{

System.out.println("- - - - - - - - - - - - - - -\n\tREGISTRATION\n- - - - - - - - - - - - - - -\n");

System.out.print("Create Email : ");

userEmail = in.next();

System.out.print("Create Password : ");

userPassword = in.next();

ApplicantsLogin();

}

public void ApplicantsChoice(){

System.out.print("\n- - - - - - - - - - - - - - -\n\tAPPLICANTS\n- - - - - - - - - - - - - - -\n");

System.out.print("1.REGISTER\n2.LOGIN\n3.EXIT\n- - - - - - - - - - - - - - -\nENTER NUMBER : ");

int num = in.nextInt();

try

{

switch(num)

{

case 1:

ApplicantsRegistration();

break;

case 2:

ApplicantsLogin();

break;

case 3:

mainFunction();

break;

}

}

catch (Exception ex)

{

System.out.print("Please Choose Correct Number!" + ex.getMessage());

}

}

public static void ApplicantsLogin()

{

int loginAttempt = 0;

while (loginAttempt < 3){

System.out.println("- - - - - - - - - - - - - - -\n\tLOG - IN\n- - - - - - - - - - - - - - -\n");

System.out.print("Email : ");

String email = in.next();

System.out.print("Password : ");

String password = in.next();

if (email.equals(userEmail) && password.equals(userPassword))

{

main.UserOption();

break;

} else {

System.out.println("\nInvalid Log-in Attempt");

loginAttempt++;

}

if (loginAttempt == 3) {

System.out.println("Too Many Log-in Attempt!");

break;

}

}

}

private void RecruiterRegistration()

{

System.out.println("- - - - - - - - - - - - - - -\n\tREGISTRATION\n- - - - - - - - - - - - - - -\n");

System.out.print("Create Email : ");

recEmail = in.next();

System.out.print("Create Password : ");

recPassword = in.next();

RecruiterLogin();

}

public void RecruiterChoice(){

System.out.print("\n- - - - - - - - - - - - - - -\n\tEMPLOYER\n- - - - - - - - - - - - - - -\n");

System.out.print("1.REGISTER\n2.LOGIN\n3.EXIT\n- - - - - - - - - - - - - - -\nENTER NUMBER : ");

int num = in.nextInt();

try

{

switch(num)

{

case 1:

RecruiterRegistration();

break;

case 2:

RecruiterLogin();

break;

case 3:

mainFunction();

break;

}

}

catch (Exception ex)

{

System.out.print("Please Choose Correct Number!" + ex.getMessage());

}

}

public static void RecruiterLogin()

{

int loginAttempt = 0;

while (loginAttempt < 3){

System.out.println("- - - - - - - - - - - - - - -\n\tLOG - IN\n- - - - - - - - - - - - - - -\n");

System.out.print("Email : ");

String email = in.next();

System.out.print("Password : ");

String password = in.next();

if (email.equals(recEmail) && password.equals(recPassword))

{

main.RecruiterOption();

break;

} else {

System.out.println("\nInvalid Log-in Attempt");

loginAttempt++;

}

if (loginAttempt == 3) {

System.out.println("Too Many Log-in Attempt!");

break;

}

}

}

private void UserOption()

{

int option;

do {

System.out.print("- - - - - - - - - - - - - - -\n");

System.out.print("\tYOU ARE APPLICANT \n");

System.out.print("- - - - - - - - - - - - - - -");

System.out.print("\n1. SEARCH JOB \n2. SHOW ALL JOB \n3. EXIT\n ENTER NUMBER: ");

option = in.nextInt();

switch(option)

{

case 1:

System.out.println("\nSEARCH JOB :");

String name = in.next();

main.searchJobByName(name);

break;

case 2:

System.out.println("\n- - - - - - - - - - - - - - -"

+ "\n\tALL JOB DETAILS"

+ "\n- - - - - - - - - - - - - - -");

main.Jobs();

break;

case 3:

mainFunction();

break;

}

} while(option != 3);

}

private void addNewApplicants(Applicants applicants)

{

applicantList.add(applicants);

}

private Applicants inputNewApplicant(String jname)

{

System.out.print("\n- - - - - - - - - - - - - - -\n\tAPPLICATION\n- - - - - - - - - - - - - - -\n");

System.out.print("Enter Name : ");

String name = in.next();

System.out.print("Enter Age : ");

int age = in.nextInt();

System.out.print("Enter Gender : ");

String gender = in.next();

System.out.print("Enter Contact Number : ");

String contact = in.next();

System.out.print("Enter Qualification : ");

String qualification = in.next();

System.out.print("Enter Role : ");

String role = in.next();

System.out.println("\n- - - - - - - - - - - - - - -\nAPPLIED SUCCESSFULLY!\nPLEASE WAIT FOR THE TEXT OR CALL OF THE EMPLOYER!");

Applicants applicants = new Applicants(name,age,gender,contact,qualification,role);

main.addNewApplicants(applicants);

return applicants;

}

private void Applicants()

{

System.out.println("\n- - - - - - - - - - - - - - -"

+ "\n\tJOB SEEKER DETAILS"

+ "\n- - - - - - - - - - - - - - -\n");

Applicants applicants = new Applicants("Luffy", 19, "Male", "01378433", "Teamwork","Ethical Hacker" );

Applicants applicants1 = new Applicants("Sanji", 20, "Male", "0123533", "Multi-tasking","Programmer" );

Applicants applicants2 = new Applicants("Zoro", 21, "Male", "0123123", "Critical Thinking","Engineer" );

Applicants applicants3 = new Applicants("Nami", 22, "Female", "0176533", "Degree Holder","Nurse" );

Applicants applicants4 = new Applicants("Robin", 23, "Female", "01343424", "Decision-making","Teacher" );

Applicants applicants5 = new Applicants("Chopper", 24, "Male", "01352323", "Time management","Seller" );

main.addNewApplicants(applicants);

main.addNewApplicants(applicants1);

main.addNewApplicants(applicants2);

main.addNewApplicants(applicants3);

main.addNewApplicants(applicants4);

main.addNewApplicants(applicants5);

}

private void showAlluser()

{

for(Applicants applicants : applicantList)

{

System.out.println(

"\nName : " + applicants.getName()

+ "\nAge : " + applicants.getAge()

+ "\nGender : " + applicants.getGender()

+ "\nContact : " + applicants.getContact()

+ "\nQualification : " + applicants.getQualification()

+ "\nRole : " + applicants.getRole()

+ "\n- - - - - - - - - - - - - - -");

}

}

private void RecruiterOption()

{

int ch;

do {

System.out.print("\n- - - - - - - - - - - - - - -"

+ "\n\tYOU ARE RECRUITER"

+ "\n- - - - - - - - - - - - - - -"

+ "\n1. ADD JOB"

+ "\n2. EDIT"

+ "\n3. LIST OF JOB SEEKER"

+ "\n4. EXIT: "

+ "\n Enter Here: ");

ch = in.nextInt();

switch (ch)

{

case 1:

inputNewJob();

break;

case 2:

setRecruiter();

break;

case 3:

Applicants();

showAlluser();

break;

case 4:

mainFunction();

break;

}

} while (ch != 4);

}

private void addNewJob(Jobs jobs)

{

jobList.add(jobs);

}

private Jobs inputNewJob()

{

System.out.print("\n- - - - - - - - - - - - - - -\n INPUT JOB DETAILS \n- - - - - - - - - - - - - - -\n");

System.out.print("Enter Job Name : ");

String jname = in.next();

System.out.print("Enter Company Name : ");

String cname = in.next();

System.out.print("Enter Location : ");

String location = in.next();

System.out.print("Enter Key Skill : ");

String keySkill = in.next();

System.out.print("Enter Salary : ");

String salary = in.next();

Jobs jobs = new Jobs(jname, cname, location, keySkill, salary);

main.addNewJob(jobs);

return jobs;

}

private void setRecruiter() {

boolean status = false;

System.out.println("Enter Job Name To Update: ");

String name = in.next();

System.out.println("-----------------------------");

ListIterator<Jobs> li = jobList.listIterator();

while(li.hasNext()) {

Jobs j = li.next();

if(j.getJname().equals(name)) {

System.out.println("Enter Job Name: ");

String jname = in.next();

System.out.println("Enter New Company Name: ");

String cname = in.next();

System.out.println("Enter New Location: ");

String location = in.next();

System.out.println("Enter New Key Skill: ");

String keySkill = in.next();

System.out.println("Enter New Salary: ");

String salary = in.next();

li.set(new Jobs(jname, cname, location, keySkill, salary));

status = true;

}

}

if(!status) {

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

}else {

System.out.println("Record has been updated");

}

}

private void searchJobByName(String name)

{

for(Jobs jobs: jobList)

{

if(jobs.getJname().equals(name))

{

System.out.println("\n- - - - - - - - - - - - - - -"

+ "\n SEARCH JOB "

+ "\n- - - - - - - - - - - - - - -"

+ "\nJob Name : " + jobs.getJname()

+ "\nCompany Name : " + jobs.getCname()

+ "\nLocation : " + jobs.getLocation()

+ "\nKey Skill : " + jobs.getKeySkill()

+ "\nSalary : " + jobs.getSalary()

+ "\n");

}

}

}

private void Jobs()

{

Jobs job = new Jobs("Hacker","DeepWeb","Russia","Ethical Hacker","200K - 250K");

Jobs job1 = new Jobs("Seller","Shopee","China","Hardworking","23K");

Jobs job2 = new Jobs("Dishwasher","Neneng-B Eatery","Manila","Handwashing","15K");

Jobs job3 = new Jobs("Programmer","GitHub","India","Critical Thinker","500K");

Jobs job4 = new Jobs("Labor","Construction Corporation","Japan","Basic Masonry","75K");

Jobs job5 = new Jobs("Worker","Willy Wonka Inc.","Germany","Multi-tasking","120K");

main.addNewJob(job);

main.addNewJob(job1);

main.addNewJob(job2);

main.addNewJob(job3);

main.addNewJob(job4);

main.addNewJob(job5);

main.showAllJob();

}

private void showAllJob()

{

for(Jobs jobs : jobList)

{

System.out.println("\nJob Name : " + jobs.getJname()

+ "\nCompany Name : " + jobs.getCname()

+ "\nLocation : " + jobs.getLocation()

+ "\nKey Skill : " + jobs.getKeySkill()

+ "\nSalary : " + jobs.getSalary()

+ "\n- - - - - - - - - - - - - - -");

}

main.ApplyOption();

}

private void ApplyOption()

{

System.out.print("\tJOB SEEKER \n- - - - - - - - - - - - - - -\n");

System.out.print("1.APPLY\n2.EXIT\n- - - - - - - - - - - - - - -\nENTER NUMBER : ");

int num = in.nextInt();

switch(num)

{

case 1:

System.out.print("\n- - - - - - - - - - - - - - -\n\tJOB NAME YOU WANT TO APPLY!\nENTER JOB NAME : ");

String jname = in.next();

inputNewApplicant(jname);

break;

case 2:

mainFunction();

break;

}

}

}