IBM CAREER EDUCATION

MAIN PROJECT

DOMAIN NAME: JAVA

Job Search Portal

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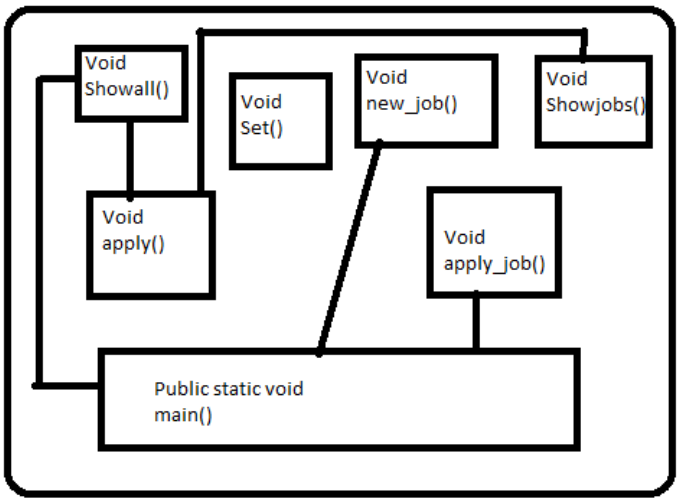
FLOW of control CHART



SOFTWARE SPECIFICATIONS

- OPERATING SYSTEM : Linux / Windows / IOS
- ENVIRONMENT : Jetbrains IntelliJ IDEA

HARDWARE SPECIFICATIONS

- PROCESSOR : Pentium 233MHz
- RAM : 128 MB SD RAM
- MONITOR : 14” COLOR
- HARD DISK : 20 GB

DESCRIPTION

INTRODUCTION:

We live in a world where everyone wants everything delivered at there door steps so that they don't have to deal with the trouble of leaving there own houses. In a world filled with services like Amazon, Swiggy and various other home delivery services, we want to create a more efficient and faster way to find jobs which suit the individual rather than the opposite way around.

DESCRIPTION:

A job search portal is a portal which helps a user to find the ideal job for him/her self more easily. The various tools and services within the portal is also very helpful to the individual. The job search portal shows results according to the preferences selected by the user and jobs with those filters applied are shown with the help of powerful algorithms.

ADVANTAGES:

- Reduces the human efforts.
- As the system is computerised so making it fast, this leads to time saving.
- Saves the cost of stationery.
- Risk of losing record is reduced.
- Most importantly searching becomes quite easy.

DISADVANTAGES:

- Software needs to be updated regularly.
- The existing way of finding jobs is quite flexible.

LIBRARY MANAGEMENT SYSTEM

AIM:

To create a job search portal that will enable users to find jobs, employers to create jobs and administrator to maintain the records

PROGRAM:

Code:

```
package project;

import java.util.*;

public class Final{
    private int empcode[]=new int[5];
    private String cname[]= new String[5];
    private String jobpost[]= new String[5];
    private int noofpositon[]=new int[5];
    private int c=0,z=0;
    private String applicant[]=new String[50];
    private int applicantcode[]=new int[50];

    public void set(){
        for(int i=0;i<50;i++){
            applicant[i]="NULL";
            applicantcode[i]=0;
        }
    }

    public void new_job(int x,String y,String z,int aa){
        if(c<5){
            empcode[c]=x;
            cname[c]=y;
            jobpost[c]=z;
            noofpositon[c]=aa;
            c++;
        }
        else{
```

```
            System.out.println("you cant add more as we currently support only 5
job" +
                    "entries");
        }
    }

    public void apply(int ab) {
        switch (ab) {
            case 1:
                System.out.println("You Have Successfully applied " +
                        "to this job");
                noofpositon[ab-1]--;
                showjobdetails(0);
                break;
            case 2:
                System.out.println("You have Successfully applied " +
                        "to this job");
                noofpositon[ab-2]--;
                showjobdetails(1);
                break;
            case 3:
                System.out.println("You have Successfully Applied " +
                        "to this job");
                noofpositon[ab-3]--;
                showjobdetails(2);
                break;
            case 4:
                System.out.println("You have successfully applied " +
                        "to this job");
                noofpositon[ab-4]--;
                showjobdetails(3);
                noofpositon[ab-1]--;
            case 5:
                System.out.println("You have successfully applied " +
                        "to this job");
                noofpositon[ab-1]--;
                showjobdetails(4);
                break;
            default:
                System.out.println("Not possible because the " +
                        "no of jobs cant exceed");
        }
    }

    public void apply_job(String x,int y) {
        if(z<50){
            applicantcode[z]=y;
            applicant[z]=x;
            z++;
            System.out.println("Successfull Proceed to finding jobs!!");
        }
        else{
            System.out.println("Users full try again later!");
        }
    }
    public void showjobdetails(int ind){
            System.out.println("Employer code:"+empcode[ind]);
```

```
            System.out.println("Company name:"+cname[ind]);
            System.out.println("Job post:"+jobpost[ind]);
            System.out.println("No of Positions available:"+noofpositon[ind]);
    }
    public void showalljobs(){
        for(int i=0;i<c;i++){
            System.out.println("Option no "+(i+1));
            System.out.println("Employer code:"+empcode[i]);
            System.out.println("Company name:"+cname[i]);
            System.out.println("Job post:"+jobpost[i]);
            System.out.println("No of Positions available:"+noofpositon[i]);
            System.out.println();
        }
        int select;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter your job selection:");
        select=sc.nextInt();
        apply(select);
    }

    public static void main(String[] args){
        int ch;
        int emcode;
        String comp;
        String job;
        int no;
        int appcode;
        String apnme;
        Final obj=new Final();

        Scanner sc=new Scanner(System.in);
        do {
            System.out.println("**********************************Job Search
Portal**************************************");
            System.out.println("\t\t\t\t\t\t\t\tMenu");
            System.out.println("\t\t\t\t\t\t1. Post new job alert");
            System.out.println("\t\t\t\t\t\t2. Create application");
            System.out.println("\t\t\t\t\t\t3. Apply for job");
            System.out.println("\t\t\t\t\t\t4. Exit");
            System.out.print("\t\t\t\t\t\t\tEnter choice:");
            ch = sc.nextInt();
            switch (ch) {
                case 1:
                    System.out.print("Enter employee code:");
                    emcode = sc.nextInt();
                    sc.nextLine();
                    System.out.print("Enter Company name:");
                    comp = sc.nextLine();
                    System.out.print("Job post details :");
                    job = sc.nextLine();
                    System.out.print("No of positions:");
                    no = sc.nextInt();
                    obj.new_job(emcode, comp, job, no);

                    break;

                case 2:
```

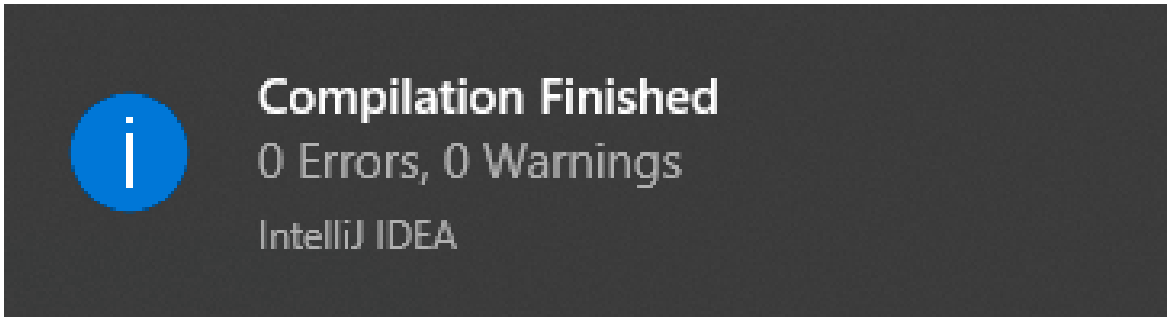
```
                    System.out.print("Applicant code:");
                    appcode = sc.nextInt();
                    sc.nextLine();
                    System.out.print("Applicant name:");
                    apnme = sc.nextLine();
                    obj.apply_job(apnme, appcode);

                    break;

                case 3:
                    obj.showalljobs();
                    break;
                case 4:
                    break;
            }
        }while(ch!=4);
    }
}
```

EXPLANATION ABOUT PROJECT:

This Project has 3 major modes:

1. The employer mode:
   This mode helps in creating job advertisements and post them. This is the first option in the menu.
2. The user/Applicant mode:
   This mode helps in creating user ids and then search through the jobs and apply to them.
3. Display the jobs:
   Display all the jobs posted on the portal

OUTPUT SCREENSHOTS:




```
**********************************Job Search Portal**************************************
                                Menu
                        1. Post new job alert
                        2. Create application
                        3. Apply for job
                        4. Exit
                            Enter choice:1
Enter employee code:53
Enter Company name:Neeraj LLC
Job post details :Senior Programmer
No of positions:3
```

```
**********************************Job Search Portal**************************************
                                Menu
                        1. Post new job alert
                        2. Create application
                        3. Apply for job
                        4. Exit
                            Enter choice:2
Applicant code:45
Applicant name:Manish
Successfull Proceed to finding jobs!!
```

```
**********************************Job Search Portal**************************************
                                  Menu
                          1. Post new job alert
                          2. Create application
                          3. Apply for job
                          4. Exit
                              Enter choice:3
Option no 1
Employer code:5
Company name:Neeraj LLC
Job post:senior Engineer
No of Positions available:3

Enter your job selection:
1
You Have Successfully applied to this job
Employer code:5
Company name:Neeraj LLC
Job post:senior Engineer
No of Positions available:2
```

REFERENCES:

1. Java for beginner's
2. Stackoverflow
3. Tutorials point
4. Geek for geeks

CONCLUSION:

In a world connected with the internet it is essential that we work smarter and use the resources available to us to there full extent.
A job search portal will help many people to find the ideal job they want to work easily and without even leaving there home…!