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SE II Lab

Statement of the Problem

Job Recruitment System

The proposed system bridges the gap between the recruiters and job seekers, by reducing the time and cost of running for job interviews from one place to another. By uploading resumes and setting job search criteria by the job seekers, the recruiters can browse the web application. Recruiters will have the freedom to post the particular jobs with their requirements, can filter their search query, check out the resumes of job seekers, upload their logos, can create their profiles. Job seekers can able to search job on the basis of various category such as organization wise, using their skills, location wise, job type etc.

Flow of Information
Process 1: Login/Logout
Entities Involved: Admin, Job Seeker, Recruiter

Process 2: Register as a Job Seeker/Recruiter
Entities Involved, Job Seeker, Recruiter

Process 3: Admit Job Seekers and Job
Entities Involved: Admin, Job

Process 4: Post Job as a Recruiter
Entities Involved: Recruiter, Job

Process 5: Search/Apply for Jobs
Entities Involved: Job Seeker, job

Process 6: Interview Scheduling and Selection of Candidate
Entities Involved: Recruiter, Job Seeker, interview

Entities and their attributes

1. Admin
   a. Name
   b. Userid
   c. Password
   d. Phone number
   e. Address
   f. Employee ID

2. Job Seeker
   a. Name
   b. Qualifications
   c. Userid
   d. Password
   e. Gender
   f. Certification
   g. Job Applied
   h. Skills

3. Recruiter
   a. Company name
   b. Name
   c. Userid
   d. Password
   e. Gender

4. Company
   a. Company name
   b. Company ID
   c. Vacant jobs

5. Job Profile
   a. Job ID
   b. Job type
   c. Position of Responsibility
   d. Joining Date
   e. Application Date
   f. Job location
   g. Job description
   h. Job Salary

    i. Vacant (yes or no)

  6. Interview Process
    a. Interview ID
    b. Job seeker ID
    c. Recruiter ID
    d. Job ID
    e. Date of interview
    f. Status

Relationship between entities

1:1
1. Job Seekers applies for a Job
2. Job Seekers goes for an Interview
3. Recruiter schedules an Interview
4. Recruiter belongs to a Company

1:N
1. Admin approves a Recruiter
2. Admin approves a Job Seeker
3. Recruiter post a Job
4. Company has Job Positions

Aim: To develop an object-oriented system for Job Recruitment Process using Java to bridge the gap between recruiters and job seekers

Objective

1. Understand the object-oriented approach for designing a software application
2. Identifying the classes for the application, the main being the recruiter and job seeker
3. Give the system requirements along with reports using questionnaire and interviews
4. Make a User-Friendly Interface
5. Get the Maximum Jobs Listing
6. Minimum Cost
7. Minimum Time to Find Desired Job for Jobseekers
8. Minimum Time to Find Desired Jobseekers for Employer
9. Information Sharing Within Jobseeker and Employer
10. Proper Security and Privacy To All Users
11. Release the project after testing and modification for enhance user experience throughout.

Scope of the project

Modules: -

I.   Admin

1. Login/Logout: This will help users to login into the system using id and password. A user who has the valid id and password can only login to their respective accounts. It will help the authentication of the user who enters the system. The module provides a layer of security over the system as only authorized personal can login into the system. This prevents from any anonymous person to enter the system and mishandle the records.
2. Manage recruiters/job Seekers: It verifies and authorizes the accounts of a user, that can be either a recruiter or a job seeker, to ensure minimum fake jobs and scams to occur.

II.   Recruiter

1. Register: In this segment, we will register the new user of the system by entering the required details, this will then be approved by the admins.
2. Login/Logout: This will help users to login into the system using id and password. A user who has the valid id and password can only login to

their respective accounts. It will help the authentication of the user who enters the system. The module provides a layer of security over the system as only authorized personal can login into the system. This prevents from any anonymous person to enter the system and mishandle the records.

3. Create Job: In this interface, the recruiter who has registered themselves in the system can post the jobs. They can give the requisition specifying the post and skill needed for that post. It also implies the criteria of recruitment the employer has planned for the post.

III.   Job Seeker

1. Register: In this segment, we will register the new user of the system, by entering the required details.

2. Login/Logout: This will help users to login into the system using id and password. A user who has the valid id and password can only login to their respective accounts. It will help the authentication of the user who enters the system. The module provides a layer of security over the system as only authorized personal can login into the system. This prevents from any anonymous person to enter the system and mishandle the records.

3. Apply for Jobs: This module is for the job seeker where they can search all the requisition present in the system. One can filter the search based on their skill and experience of the job. Ones selected a requisition applicant can apply for the post.