

## **Q1-User registration and profile management**

### **Job Seekers:**

- Register on the platform by creating a user account.
- Fill in personal profile data: location, years of experience, desired position, upload CV.
- Add multiple skills with self-assessed proficiency levels.
- View, update, or delete their profile at any time.
- When deleting an account, the system cascades deletion to related applications, bookmarks, CVs, and work history.

### **Recruiters:**

- Create user accounts and fill in company details (name, industry, size, office location, etc.).
- View or edit company information and posted job listings.

### **Admins:**

- Manages job listings: approve, suspend, or delete.

## **Q2-Job listings and management**

### **Recruiters:**

- Post new job openings with all relevant details including required experience, skills, salary, and contract type.
- Update job details (e.g., salary or required skills), system notifies all applicants of the change.
- System automatically marks jobs as "closed" upon reaching expiration date.

### **Job Seekers:**

- Search and filter jobs by category, location, salary, contract type, required skills, and other criteria.
- Save/bookmark job postings for future reference.

## **Q3-Applications and interview scheduling**

### **Job Seekers:**

- Submit applications to job listings.
- View application status: pending, hired, rejected.

- Withdraw submitted applications if desired.

**Recruiters:**

- Review incoming applications with filtering by skills, experience, etc.
- Schedule interviews for selected candidates.
- Updates the application status of the job seeker: hired or rejected.

**Q4-Notifications****Notifications:**

- Triggered on key events: application status changes, interview invites.

**Q5-Reporting operations****For Recruiters/Admins:**

- Generate a list of top applicants based on total experience, number of skills, or prior hiring success.
- Identify the most in-demand skills across job seekers.
- Report on the number of job postings and hires over a time period (weekly, monthly, quarterly).

**For Job Seekers:**

- Track how many applications were submitted or led to interviews.

**Advanced Use-Cases:**

- Check availability of jobs by a specific field or skill, and notify job seekers when matching jobs appear.
- Automatically suggest similar job listings based on job seekers previous applications.

**Q6-Data consistency and maintenance**

- Deleting users removes their associated data (delete cascades).
- Updating job postings triggers cascade updates to applicants via notification system.