CAR RENTAL

Functional Requirements:

**1. Feature Name: Job Search**  
Role(s): Job Seeker, Employer  
Feature Description/Steps:  
Job Seekers can search for available jobs based on multiple criteria like job title, location, company name, industry, and experience level. Employers can also search for candidate profiles using similar criteria.

1. User selects search criteria (job title, location, salary…).
2. The system returns a list of jobs or candidates that match the search criteria.
3. Users can apply additional filters or sort the results by date posted.
4. Job Seekers can click on a listing to view detailed information about
5. Employers can review a candidate's profile and contact them directly.

Dependencies/constraints:

* The search must be fast and able to handle up to 10,000 simultaneous users.
* Search filters must be user-friendly.
* The system must provide real-time updates to search results.

**2. Feature Name: Job Application**  
Role(s): Job Seeker  
Feature Description/Steps:  
Job Seekers can apply for jobs directly through the platform.

1. After viewing a job posting, the Job Seeker can click on the "Apply Now" button.
2. The system prompts the user to upload a CV and/or cover letter if not already uploaded.
3. The Job Seeker confirms the application and clicks "Submit".
4. A confirmation email is sent to the Job Seeker, and the employer receives the application.  
   Dependencies/constraints:

* Only registered Job Seekers can apply.
* Employers must have a job posting active for applications to be submitted.

**3. Feature Name: Register**  
Role(s): Job Seeker, Employer  
Feature Description/Steps:  
Users must create an account to access the platform's features.

1. User selects the type of profile (Job Seeker or Employer).
2. The system prompts the user to enter personal information (Name, Email, Password).
3. The user must confirm their email via a verification link.
4. After verification, the user can complete their profile by adding additional details (resume for Job Seekers or company info for Employers).  
   Dependencies/constraints:

* Email must be unique and not previously registered.
* Password must be secure (minimum 8 characters, alphanumeric).
* Email verification is required before completing registration.

**4. Feature Name: Login**  
Role(s): Registered users (Job Seeker, Employer)  
Feature Description/Steps:  
Users can log in to access their profiles.

1. User enters their email and password.
2. The system validates the credentials.
3. If successful, the user is redirected to their dashboard (Job Seeker or Employer).
4. If the credentials are incorrect, an error message is shown.  
   Dependencies/constraints:

* Login attempts must be rate-limited to prevent brute force attacks.
* Forgot password functionality must be available.
* Sessions must expire after a certain period of inactivity.

**5. Feature Name: Profile Management**  
Role(s): Job Seeker, Employer  
Feature Description/Steps:  
Users can manage their profiles, update personal or company information, and view their activity history.

1. User navigates to the "Profile" section.
2. The system displays editable fields (name, email, bio for Job Seekers; company name, job listings for Employers).
3. User can update information and save changes.
4. Job Seekers can update their CV or portfolio.
5. Employers can post new job openings and update the status of previous listings.  
   Dependencies/constraints:

* Job Seekers must have the ability to upload and update CVs.
* Employers must be able to post and manage job listings.
* Users must be able to delete or deactivate their profiles if desired.

**6. Feature Name: Upload CV**  
Role(s): Job Seeker  
Feature Description/Steps:  
Job Seekers can upload their CV to their profile to make it accessible to potential Employers.

1. User navigates to their profile and clicks "Upload CV".
2. The system prompts the user to select a file (PDF, DOCX).
3. After uploading, the CV is displayed in the Job Seeker's profile for Employers to view.
4. The user can delete or update their CV at any time.  
   Dependencies/constraints:

* Only one CV can be uploaded at a time.
* File size should not exceed 10 MB.
* The CV should be in a format supported by most Applicant Tracking Systems (ATS).

**7. Feature Name: Job Listing Management**  
Role(s): Employer  
Feature Description/Steps:  
Employers can post, manage, and close job listings.

1. Employer navigates to the "Post a Job" section.
2. The system prompts the employer to fill out necessary details such as job title, description, requirements, salary range, and location.
3. The employer submits the listing for approval or immediate posting.
4. The employer can view and manage existing listings )edit, close, or extend the job posting).  
   Dependencies/constraints:

* Employers can only post jobs after completing their company profile.
* Job listings will expire after a set period unless extended.
* The system must ensure that job postings meet platform standards and policies.

**8. Feature Name: Messaging System**  
**Role(s):** Job Seeker, Employer  
**Feature Description/Steps:**  
Job Seekers and Employers can communicate with each other via a built-in messaging system.

1. Job Seekers can send messages to Employers regarding job listings.
2. Employers can reply to Job Seekers' inquiries.
3. Both parties receive notifications when a new message is received.
4. The system archives all messages for later reference.  
   **Dependencies/constraints:**

* Only registered users can send or receive messages.
* Messages should be stored for up to 6 months before being archived or deleted.
* Notifications should be sent via email and/or in-app notifications.

**Nonfunctional Requirements**

1. The system must be able to support a minimum of 10,000 concurrent users without significant performance degradation.
2. The application must load within 3 seconds for 90% of the users.
3. The system should be available 99.9% of the time, excluding scheduled maintenance.
4. The system should support automatic backups of user data every 24 hours.
5. All sensitive data (e.g., passwords, personal information) must be encrypted using industry-standard encryption algorithms (AES-256).
6. The system must be compatible with major web browsers (Chrome, Firefox, Safari, Edge).
7. User interactions with the system (registration, login, applying for jobs) should be responsive and not exceed 2 seconds for any request.
8. The platform should be able to scale horizontally, adding servers to handle increased traffic during peak usage.
9. The mobile version of the platform should provide the same functionality as the desktop version with optimized interfaces for smaller screens.
10. The application should comply with GDPR and other relevant privacy regulations, ensuring the protection of user data.
11. The system should support localization to accommodate multiple languages and currencies.
12. The user interface must be intuitive and user-friendly, requiring minimal learning for new users.

