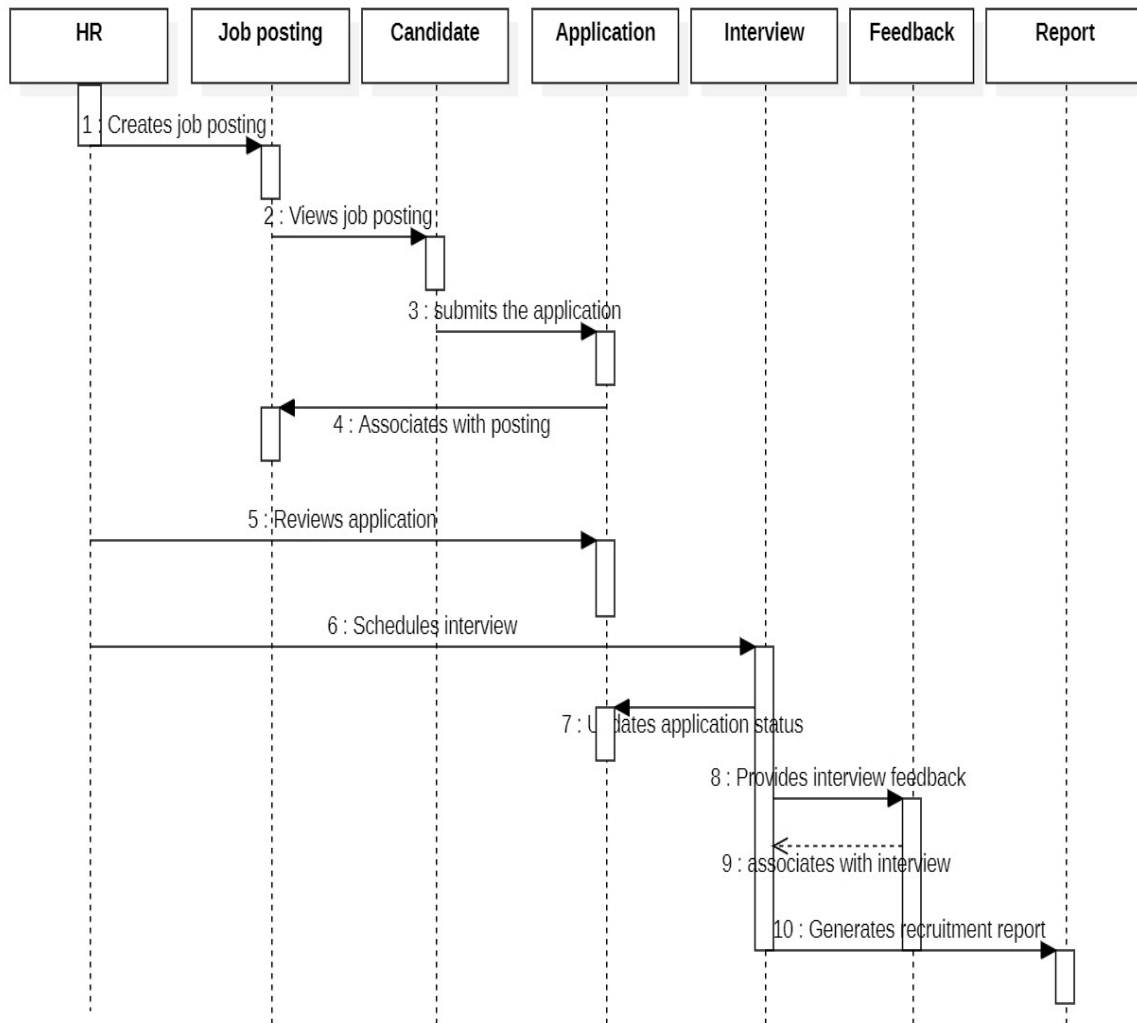


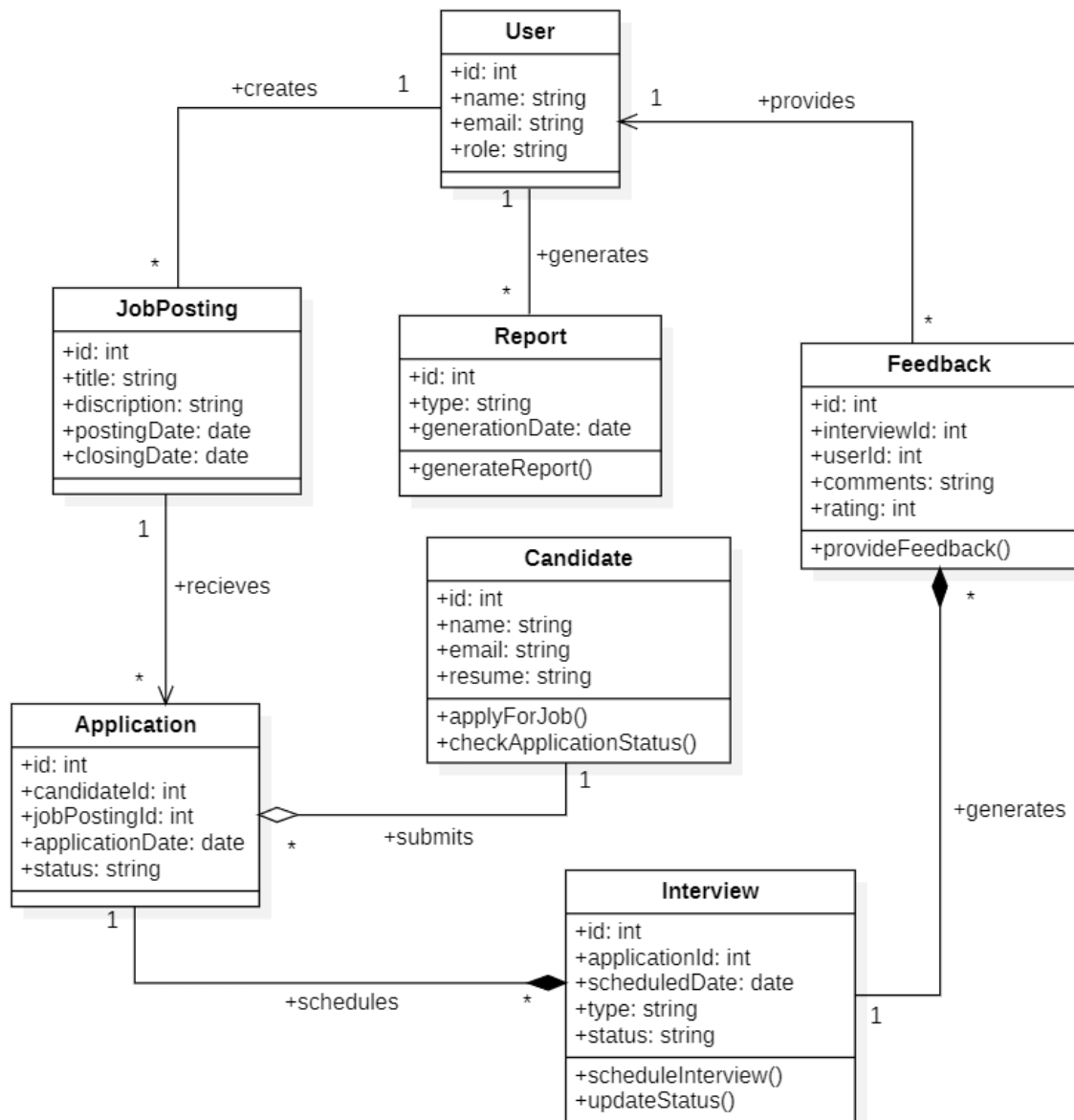
## Use Case Diagram:



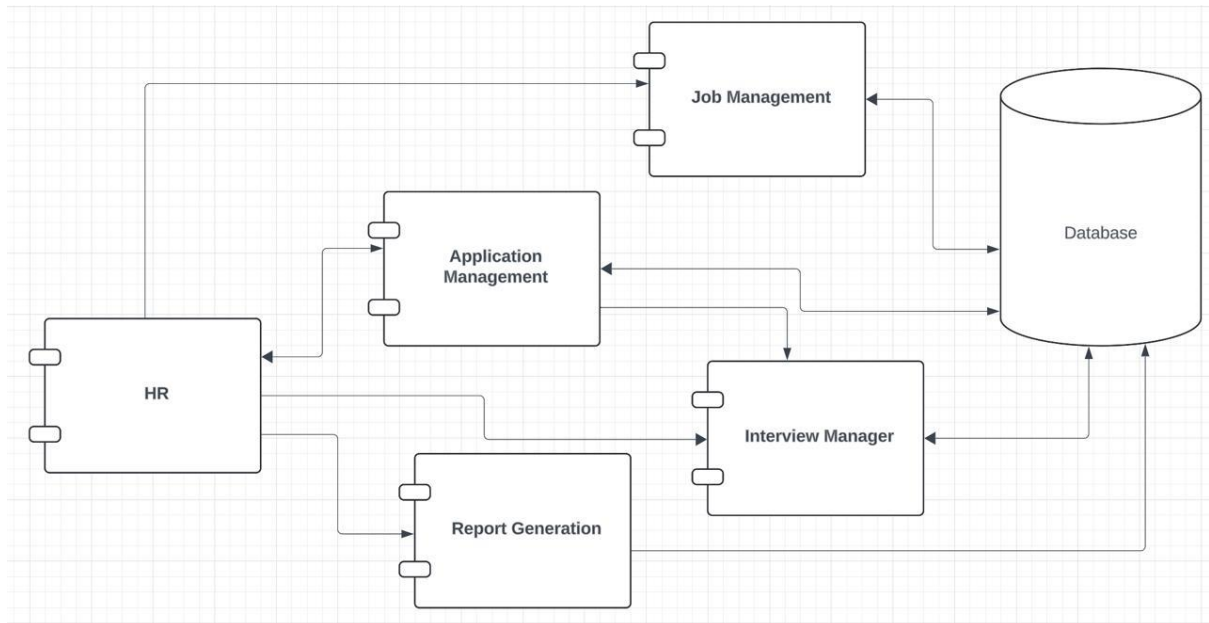
## Sequence Diagram:



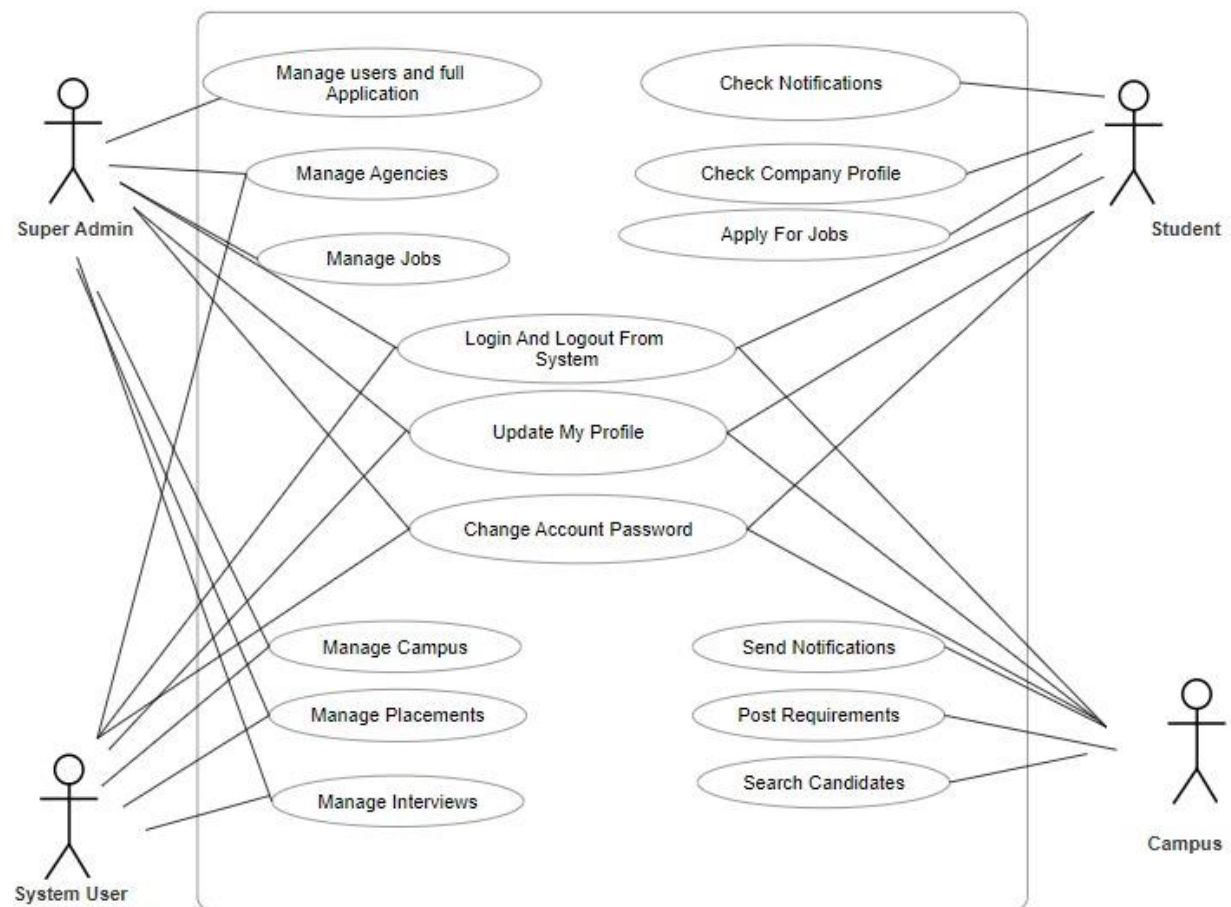
## Class Diagram:



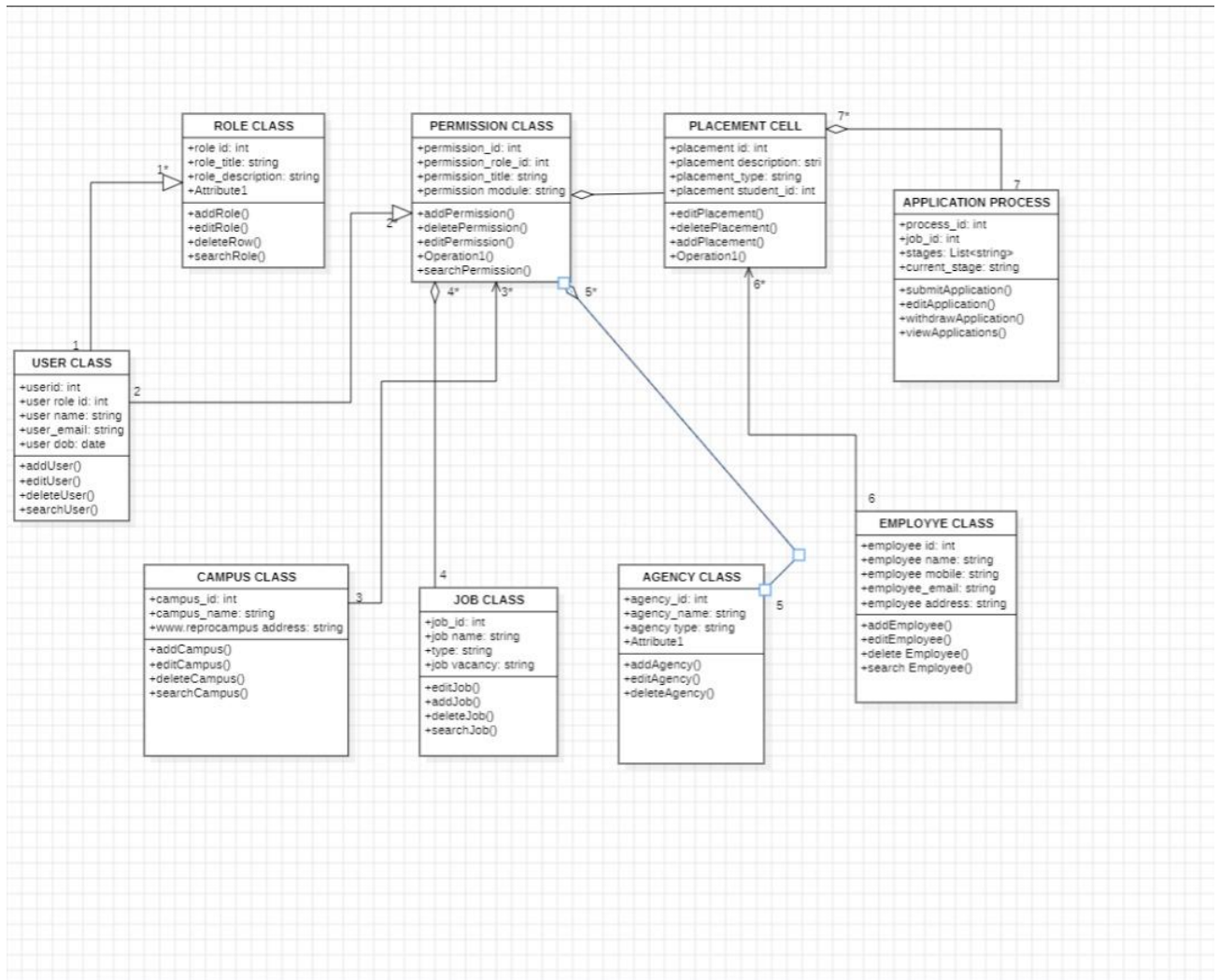
## Component Diagram:



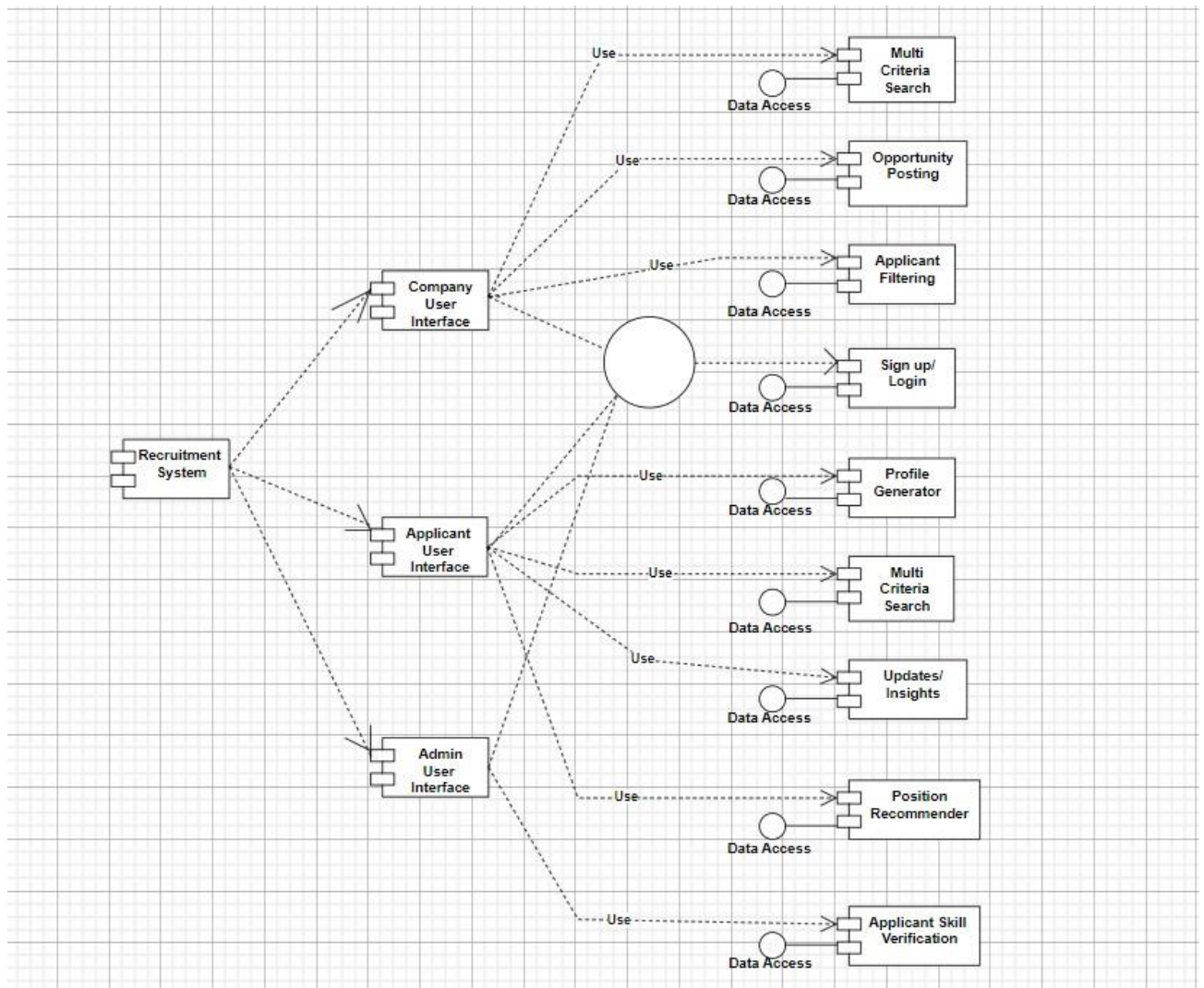
# Use Case Diagram



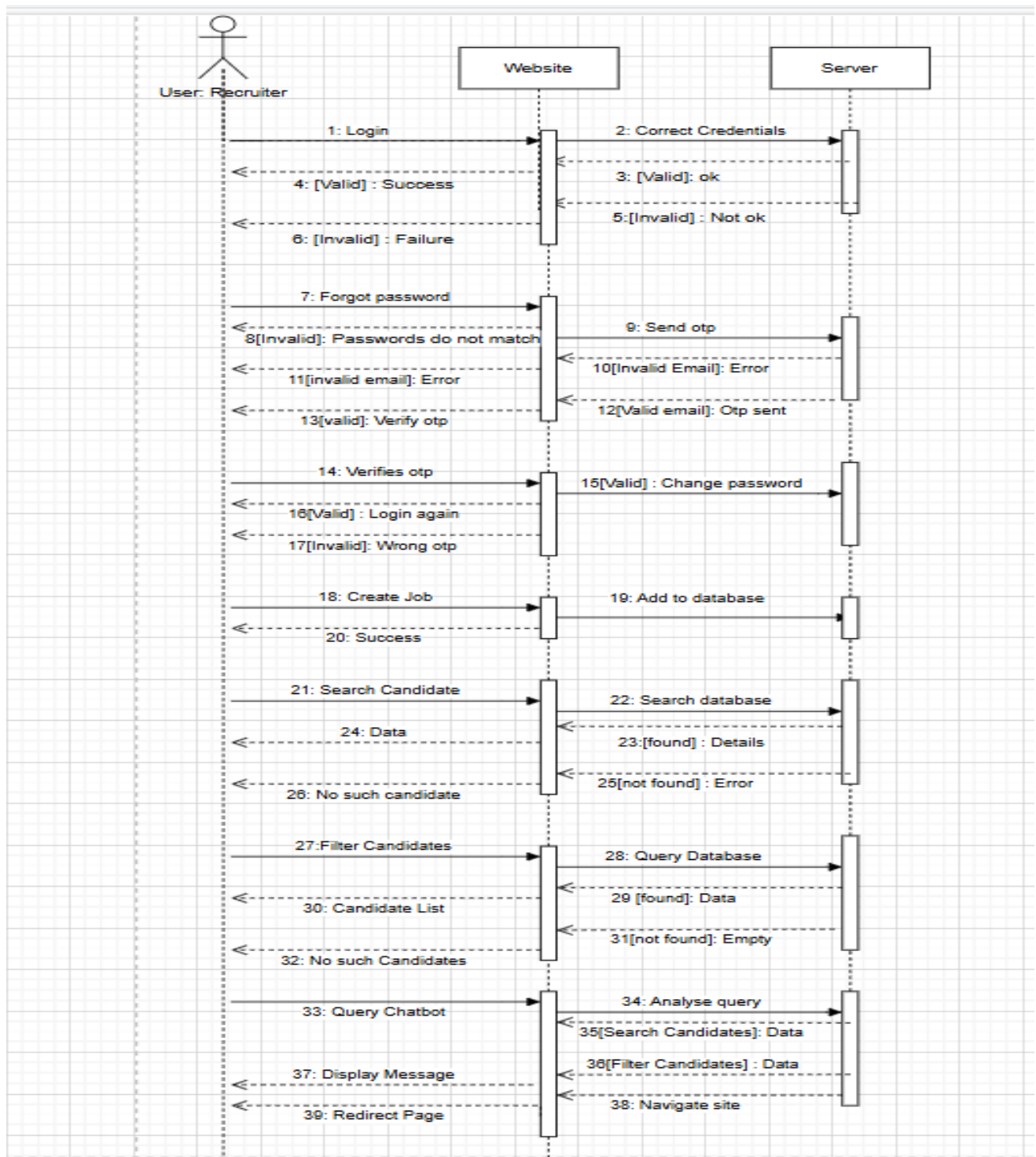
# Class Diagram



# Component Diagram



# Sequence Diagram





## **Non-Functional Requirements**

### **5.1 Performance**

5.1.1: The system shall support at least 500 concurrent users without performance degradation.

5.1.2: Page load times shall not exceed 3 seconds under normal operation conditions.

### **5.2 Security**

5.2.1: All data transmissions shall be encrypted using industry-standard protocols.

5.2.2: The system shall implement role-based access control to protect sensitive information.

5.2.3: Password policies shall enforce strong passwords and regular password changes.

### **5.3 Reliability**

5.3.1: The system shall have an uptime of at least 99.9%.

5.3.2: Data backups shall be performed daily with a retention period of 30 days.

### **5.4 Usability**

5.4.1: The user interface shall be intuitive and require no more than 1 hour of training for basic operations.

5.4.2: The system shall be accessible to users with disabilities, complying with WCAG 2.1 guidelines.

### **5.5 Scalability**

5.5.1: The system shall be designed to easily accommodate a 50% increase in user base without major changes.

5.5.2: Database performance shall not degrade with up to 1 million records.

## **Functional**

### **4.1 Job Posting Automation**

- REQ-1: Post jobs across multiple platforms with one click.
- REQ-2: Track views and applications for each job.

### **4.2 Candidate Tracking**

- REQ-3: Visual pipeline for tracking candidate progress.
- REQ-4: Real-time status updates and notifications.

### **4.3 Interview Scheduling**

- REQ-5: Integrate with Google Calendar and Outlook.
- REQ-6: Automate interview invitations and reminders.

#### 4.4 Communication Automation

- REQ-7: Auto-send emails based on candidate status changes.
- REQ-8: Support bulk email communication.

#### 4.5 Data Analytics and Reporting

- REQ-9: Provide customizable recruitment reports.
- REQ-10: Export reports in PDF and Excel formats.