# **Job Portal Website Project Documentation**

## 1. Targeted Users/Clients and Their Privileges

Applicants (Job Seekers)

Applicants are individuals seeking employment opportunities. Their **privileges** include:

1. **User Registration and Login**: Applicants can create accounts and log in to the website using a secure authentication system.
2. **Job Search Functionality**: Applicants can search for jobs using a search bar and filters based on keywords, location, job type, salary range, etc.
3. **View Job Listings**: Applicants can view job listings that match their search criteria, including job title, company name, location, and a brief description.
4. **Job Details**: Applicants can view detailed information about each job, including responsibilities, qualifications, benefits, and application instructions.
5. **Apply for Jobs**: Applicants can apply for jobs directly through the website by submitting their resume and any other required documents.
6. **Save Jobs**: Applicants can save job listings they are interested in for future reference.
7. **User Profile Management**: Applicants can create and manage their profiles, including updating their contact information, resume, and job preferences.

Companies (Employers)

Companies are organizations looking to hire employees. Their **privileges** include:

1. **Company Registration and Login**: Companies can create accounts and log in to the website using a secure authentication system.
2. **Post Jobs**: Companies can post job listings, including job title, description, location, qualifications, and application instructions.
3. **Manage Job Listings**: Companies can manage their job listings by editing, pausing, or deleting them as needed.
4. **View Job Applications**: Companies can view and manage job applications submitted by applicants for their job listings.
5. **Company Profile Management**: Companies can create and manage their profiles, including updating their contact information, company description, and logo.
6. **Search for Applicants**: Companies can search for and view the profiles of applicants who have applied to their job postings.

## 2. Main Functionality and Services Provided

For Job Seekers (Applicants):

1. **User Registration and Login: Secure account creation and login functionality for applicants.**
2. **Job Search Functionality: A search bar and various filters to help applicants find job openings based on their preferences.**
3. **Job Listings Display: A list of job openings that match the applicant's search criteria, showing job titles, company names, locations, and brief descriptions.**
4. **Detailed Job Information: Detailed job descriptions including responsibilities, qualifications, benefits, and application instructions when an applicant clicks on a job listing.**
5. **Apply for Jobs: Functionality for applicants to apply for jobs directly through the website by submitting their resumes and other required documents.**
6. **Save Job Listings: A feature that allows applicants to save job listings they are interested in for future reference.**
7. **User Profile Management: Tools for applicants to create and update their profiles, including contact information, resumes, and job preferences.**

For Companies (Employers):

1. **Company Registration and Login**: Secure account creation and login functionality for companies.
2. **Post Job Listings**: A form for companies to post job openings with details such as job title, description, location, qualifications, and application instructions.
3. **Manage Job Listings**: Options for companies to edit, pause, or delete their job postings.
4. **View Job Applications**: A dashboard for companies to view and manage applications received from job seekers.
5. **Company Profile Management**: Tools for companies to create and update their profiles, including contact information, company descriptions, and logos.
6. **Search for Applicants**: A feature that allows companies to search for and view the profiles of applicants who have applied to their job postings.

3-Services Provided:

1. **Job Service**: A service contain of main functions related to job interface handling add, edit, delete and pause job (company), get specific job by its id or get all job in firebase (Jobs), and get jobs for specific company by its id.
2. **User Service**: A service used for get user data by its id.

## 3. Steps of User Interaction on the Job Portal Website (User mutual)

**For Applicants (Job Seekers):**

1. Registration and Login:

1. **Access Registration Page**: Navigate to the registration page from the homepage.
2. **Fill Registration Form**: Enter required details such as name, email, password, and contact information.
3. **Submit Form**: Submit the registration form.
4. **Email Verification**: Verify the email address through a confirmation link sent to the registered email.
5. **Login**: Log in using the registered email and password.

2. Job Search:

1. **Access Search Bar**: Navigate to the job search page or use the search bar on the homepage.
2. **Enter Keywords**: Enter relevant keywords, location, job type, salary range, and other filters.
3. **View Search Results**: Review the list of job listings that match the search criteria.
4. **Refine Search**: Adjust filters and keywords if needed to narrow down the search results.

3. View Job Listings:

1. **Select Job Listing**: Click on a job listing to view more details.
2. **Review Job Details**: Read the detailed job description, responsibilities, qualifications, benefits, and application instructions.

4. Apply for Jobs:

1. **Click Apply**: Click the "Apply" button on the job details page.
2. **Submit Application**: Fill out the application form, upload the resume, and submit any additional required documents.
3. **Confirmation**: Receive a confirmation message or email about the application submission.

5. Save Jobs:

1. **Save Job Listing**: Click the "Save" button on the job listing to save it for future reference.
2. **View Saved Jobs**: Access the saved jobs list from the user profile or dashboard.

6. Manage Profile:

1. **Access Profile**: Navigate to the user profile page.
2. **Edit Profile**: Update contact information, resume, job preferences, and other relevant details.
3. **Save Changes**: Save the changes to update the profile.

**For Companies (Employers):**

1. Registration and Login:

1. **Access Registration Page**: Navigate to the company registration page from the homepage.
2. **Fill Registration Form**: Enter required details such as company name, email, password, and contact information.
3. **Submit Form**: Submit the registration form.
4. **Email Verification**: Verify the email address through a confirmation link sent to the registered email.
5. **Login**: Log in using the registered email and password.

2. Post Jobs:

1. **Access Post Job Page**: Navigate to the "Post a Job" page from the company dashboard.
2. **Fill Job Details**: Enter job title, description, location, qualifications, and application instructions.
3. **Submit Job Listing**: Submit the job listing to be posted on the website.

3. Manage Job Listings:

1. **View Job Listings**: Access the list of posted job listings from the company dashboard.
2. **Edit Job Listing**: Click on a job listing to edit its details.
3. **Pause or Delete Job Listing**: Choose to pause or delete a job listing if needed.

4. View Job Applications:

1. **Access Applications**: Navigate to the applications page from the company dashboard.
2. **Review Applications**: View and manage applications submitted by job seekers, including resumes and cover letters.
3. **Contact Applicants**: Contact applicants for further steps in the hiring process.

5. Manage Company Profile:

1. **Access Profile**: Navigate to the company profile page.
2. **Edit Profile**: Update company information, description, and logo.
3. **Save Changes**: Save the changes to update the company profile.

6. Search for Applicants:

1. **Access Applicant Search**: Navigate to the applicant search page from the company dashboard.
2. **Enter Search Criteria**: Use filters to search for applicants based on skills, experience, and other criteria.
3. **View Applicant Profiles**: View profiles of applicants who match the search criteria.
4. **Contact Applicants**: Contact suitable applicants for job openings.

## 4. The Used components:

1. Registration and Login: used for add new company/Employee and then login to the system
2. Home: used for view the home page for our system
3. Company-job-details: used for edit any job related for the company which enter the system
4. Company-job-listing: used for view all jobs for the company which enter the system
5. Company and user profiles: used for view profile for company of user and edit their data
6. Job-apply: used by user for applying new job
7. Job-details: used for view details for specific job
8. Job-listing: used for view all jobs for all companies for Employee
9. Post-job: used by companies for adding new job
10. Saved-jobs: used for view saved jobs for specific user
11. View-applications: used for view jobs which by applied by employee for specific company

## 5. Examples of requests:

1. Request for get all jobs from jobs collection
2. Request for get all jobs which be saved
3. Request for get specific user/company data
4. Request for get all jobs applications which be applied

## 6. Mandatory fields for each page:

1. Company-job-details: job id for this company
2. Job-apply: user and job ids
3. Job-details: job id
4. Post-job: company id
5. Saved-jobs: user id
6. View-applications: company id