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Project and Professionalism

(6CS007)

Project Proposal Report

Remote Job Finder

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Acknowledgement

It's my pleasure to introduce myself as the author of this report, Mr. Biwas Pudasaini. Although that was the case, it was possible to complete this task because of the very kind provision and aid of others. I'd like to thank my FYP supervisor and reader for their continuous assistance in completing my report. This option enables me to generate my Remote Job Finder Portal proposal report.

Mr. Bhanu Aryal, our supervisor, has always been a tremendous aid with direction throughout the assignment, and he was also quite generous in agreeing to discuss and chose this topic. Finally, I'd like to thank my reader, Mr. Aatiz Ghimire, for his ongoing support and engagement.

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1. Statement of Project Details

1.1 Project Title

Remote Job Finder provides a consistent experience for both employers and employees. Employers can quickly create a profile for their business, log in safely, and post job openings. They have access to a thorough dashboard where they can view a list of their open positions and look over applicant information. Additionally, employers can quickly edit or remove their job postings as needed. On the other hand, users or members can set up accounts, save pertinent job opportunities, and submit applications. For quick access, they can also access their saved job list. Remote Job Finder can assist you with your hiring needs by providing an intuitive user interface and effective functionality.

1.2 Academic Question

I. What methods will be used, considering both job seekers' and employers' individual needs and preferences, to guarantee a user-friendly and intuitive user interface?

II. What measures will be utilized to assess Job success and performance in assisting companies with hiring decisions and job seekers with their job search efforts?

1.3 Aims

In order to serve the demands of companies and job seekers in the remote employment market, Remote Job Finder seeks to create a thorough and effective platform. The platform will be created with the following main goals in mind:

- To create an easy-to-use and efficient Remote Job Finder platform that connects job seekers with remote job opportunities in a variety of industries.
- To provide employers with a simple platform for posting remote job openings and managing job applications from potential candidates.
- To assist users in their job search by providing accurate and relevant job listings based on their preferences and qualifications.
- To improve users' overall job application experience by providing a simple application process.
- To create and job application tracking system.
- To create responsive design and enhance remote job accessibility.

1.4 Objectives

- Create a secure and user-friendly user registration and login system for both job seekers and employers.
- Create a robust job search feature that allows users to search for remote jobs using keywords, location, category, and job type.
- Organize job postings into well-defined categories and sub-categories to improve user experience and navigation.
- Create a feature for job bookmarking that allows users to save and manage job postings for future reference.
- Implement a simple job application process that allows job seekers to send potential employers their resumes and relevant documents.
- Create a registration and login system for employers to post remote job openings and manage their job postings.
- Create an easy-to-use job posting feature that allows employers to customize job descriptions, education and experience requirements, and deadline dates.

- Create a multiple job posting management system to help employers manage and track their job postings more efficiently.
- Create a job application review system that allows employers to view and manage user-submitted applications.
- Create user profiles that allow job seekers to highlight their skills, work experience, education, and other relevant information.
- Create company profiles that allow employers to show potential candidates their company information, logo, and other relevant details.
- Provide analytics and insights about job postings to employers to help them optimize their recruitment strategies and make informed decisions.

1.5 Artefact (proposed) to be developed (in brief)

User Registration and Login System: Create and implement a secure and user-friendly user registration and login system that allows job seekers and employers to create accounts and securely access the platform.

Job Search Functionality: Create a robust job search functionality that allows users to search for remote jobs using keywords, location, category, and job type, and provides accurate and relevant results with sorting and filtering options.

Job Posting and Management: Create an easy-to-use job posting feature that allows employers to post remote job openings with detailed descriptions, education and experience requirements, and deadline dates. Include tools to help employers manage and track their job postings more effectively.

Job Application and Review: Implement a simple job application process that allows job seekers to send potential employers their resumes and relevant documents. Create a job application review system that allows employers to view and manage user-submitted applications.

User and Company Profiles: Create user profiles that allow job seekers to highlight their skills, work experience, education, and other relevant information. Create company profiles that allow employers to show potential candidates their company information, logo, and other relevant details.

Job Bookmarking and Notifications: Create a feature that allows users to save and manage job postings for future reference. Implement a notification system to notify users via mail and employers of critical events such as application status updates.

2. Project Proposal

2.1 Introduction

Remote work has become a significant trend in the job market, particularly since the COVID-19 pandemic. Many professionals are now looking for remote jobs that provide flexibility and work-life balance. Similarly, employers are becoming more willing to hire remote workers in order to access a larger talent pool and reduce operational costs.

This pattern of remote jobs has presented difficulties for companies and job seekers, though. Employers may have trouble locating and attracting qualified remote employees, while job seekers may have trouble wading through the sea of internet job advertising to uncover genuine remote job possibilities.

2.1.1 Problem scenario

According to respected sources and research, remote job seekers frequently run into problems like work frauds, a lack of openness in job descriptions, and challenges locating reputable remote job prospects. Employers may also find it challenging to confirm the credentials of remote candidates and determine whether they are qualified for remote employment based on conventional hiring procedures.

According to a FlexJobs 2020 survey, 20% of job searchers who were looking for remote opportunities ran into a remote job scam, which made them suspicious of remote job advertisements. (FlexJobs, 2020)

Additionally, a study by Owl Labs found that 57% of firms find it difficult to locate and recruit qualified remote employees, which causes hiring processes to take longer and lowers productivity. (Buffer & AngelList, 2020)

2.1.2 Project as a Solution

In order to address the difficulties that companies and job searchers in the distant job market confront, the "Remote Job Finder" project was created. The platform will act as a trustworthy and secure marketplace where employers and job seekers can connect to a wide range of skilled remote candidates and job seekers may find authentic remote work opportunities.

- Create a safe user registration and login process for employers and job seekers.
- Both businesses and job searchers will have an intuitive experience thanks to a user-friendly web interface.
- Job seekers can establish profiles in full, register for accounts, and submit applications for remote employment prospects.
- Implement a feature that allows users to manage and save job postings for later use.
- To increase confidence and trust, employers and job applicants could be asked to provide identification verification.
- Give employers statistics and information regarding the effectiveness of their job postings, including the quantity of views, applications, and hires.
- Create a robust job search engine that enables users to look for remote jobs using filters for keywords, locations, categories, and job types.

2.2 Initial Research into sources of information

Numerous remote job sites were investigated throughout the project's initial research phase to learn more about the current state of online employment platforms. The aforementioned distant job places were investigated:

FlexJobs (www.flexjobs.com) is a reputable remote employment website that specializes on providing flexible employment possibilities. The website is renowned for its carefully selected job postings, which guarantee that job seekers will only come across genuine remote employment prospects. Additionally, FlexJobs offers a number of job categories and sophisticated search criteria that make it simpler for users to browse and find openings that are relevant to them. Both companies and job seekers are drawn to the platform due to its reputation for dependability and credibility.

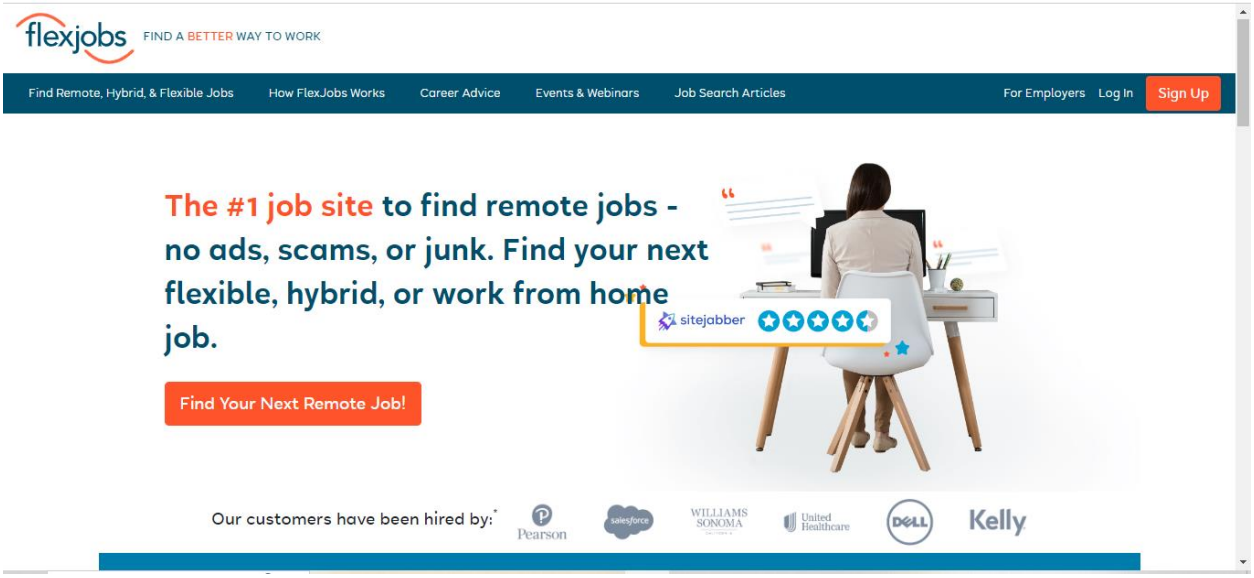


Figure 1: FlexJobs

Upwork (www.upwork.com) is a well-known freelance marketplace that links companies with independent contractors from a range of industries. Although not solely a remote job site, it satisfies the rising need for remote employment options. Remote project-based employers can advertise jobs, and independent contractors can bid on projects or market their abilities through profiles. The platform of Upwork places a strong emphasis on cooperation and communication between employers and freelancers, enabling distant workers to effectively participate in virtual collaborations.

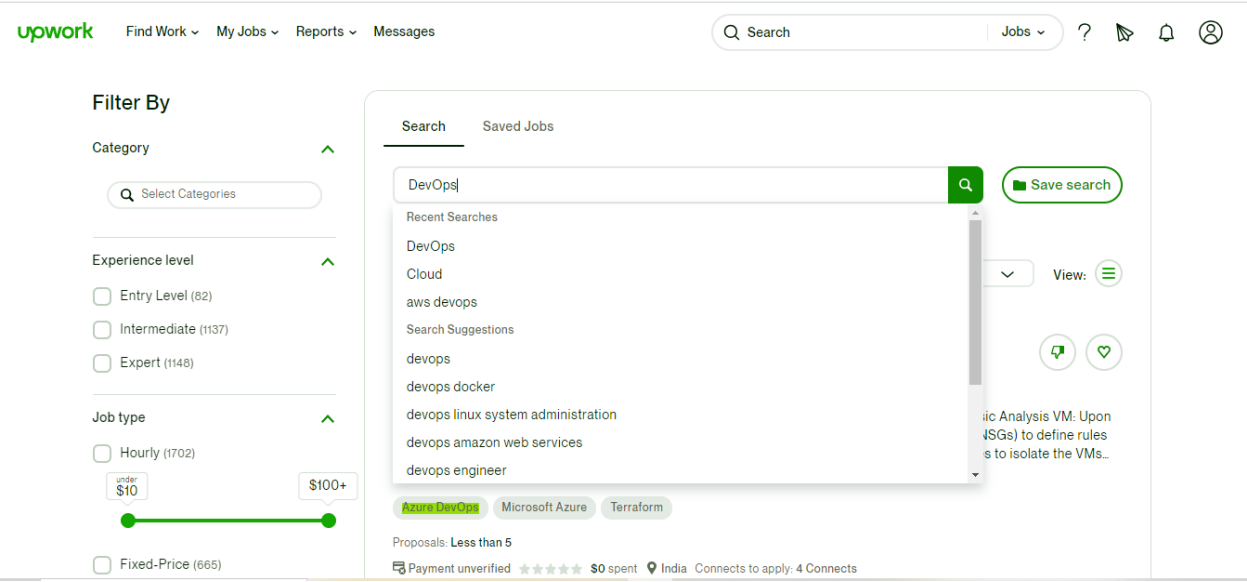


Figure 2: Upwork

MeroJob www.merojob.com is a leading job site MeroJob in Nepal provides in-office employment possibilities. For job searchers looking for flexible work schedules like part time jobs, the portal offers a variety of job categories, including advertisements for different positions. Because of its local focus in Nepal, MeroJob is applicable to the country's labor market and provides job seekers with access to chances there.

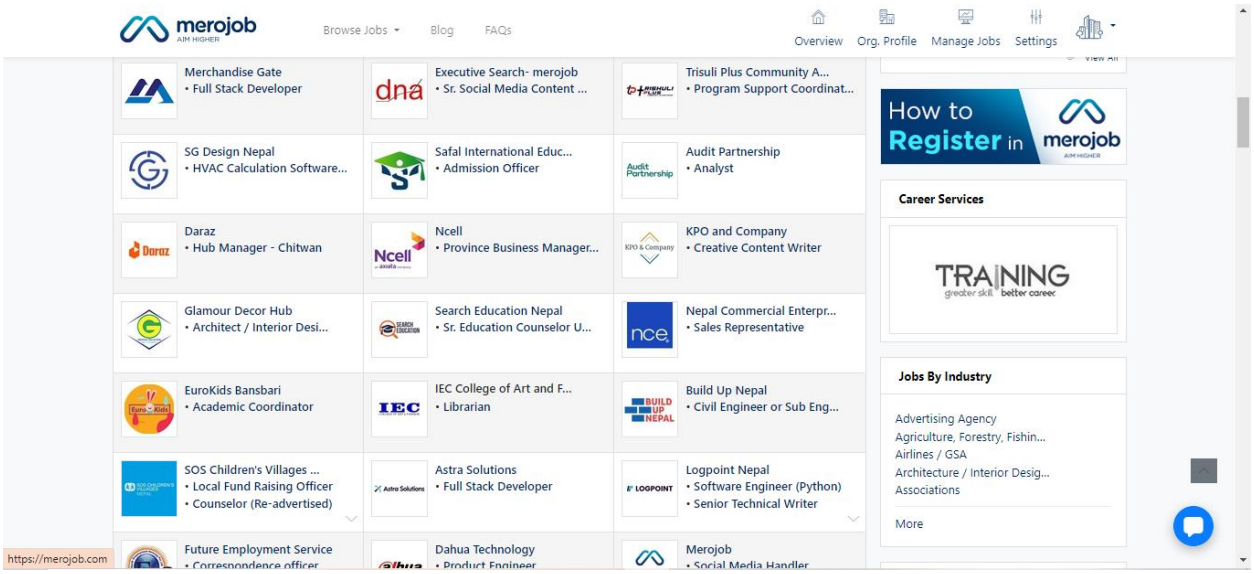


Figure 3: MeroJobs

Kumari Job is leading job portal based in Nepal and serves local employers and job seekers. The platform focuses on offering on-site employment possibilities with adaptable schedules. Kumari employment, which focuses on the Nepalese employment market, provides a wide variety of job listings across different industries, making it possible for job searchers to locate opportunities that allow them to successfully juggle their work and personal commitments. Kumari Job plays a critical role in fostering work-life balance and job satisfaction among professionals in Nepal by matching job searchers with firms who offer flexible time schedules.

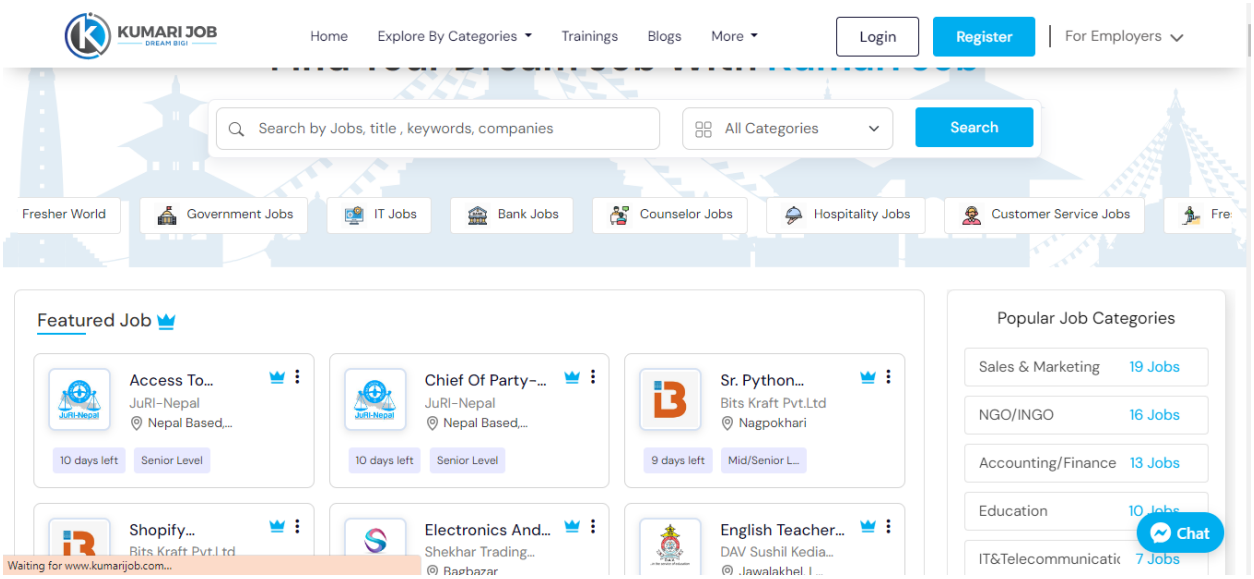


Figure 4: Kumari Job

In.indeed is a well-known job-search website called operates internationally, including in India. It acts as a well-known platform for both employers and job seekers, making the hiring process and job searching in India easier. It is a thorough resource for people looking for work in the nation because the portal compiles job advertisements from multiple sources.

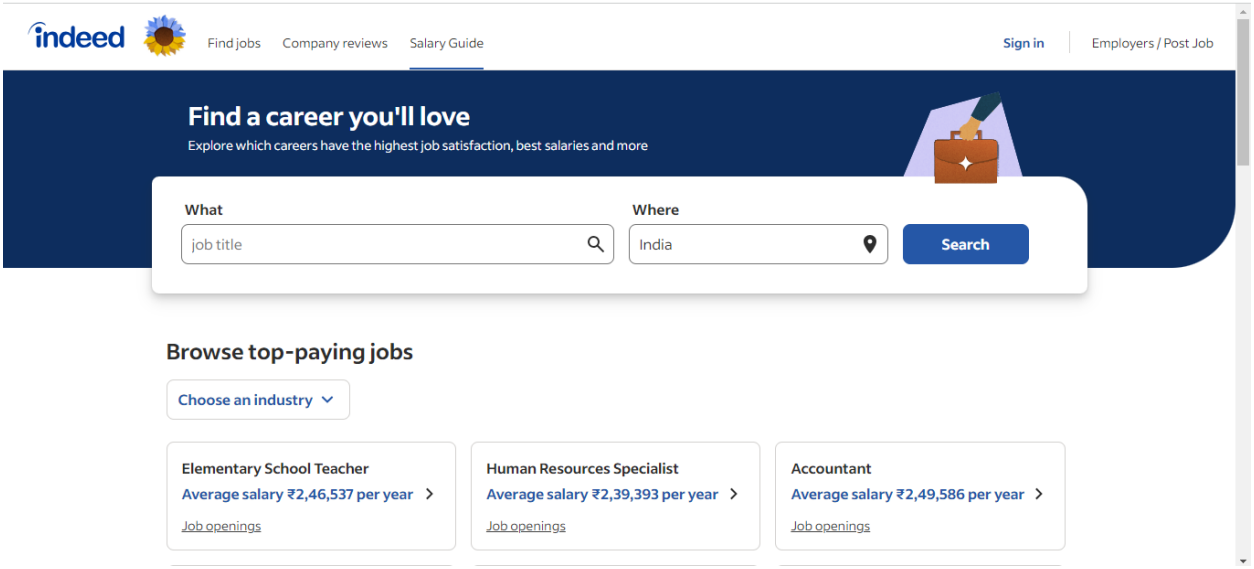


Figure 5: Indeed

Similarity Check

Features	Mero Job	Kumari Job	Indeed	Remote Job Finder
User & Companies Profile	Yes	Yes	Yes	Yes
Jobs Category	Yes	Yes	Yes	Yes
Job Search	Yes	Yes	Yes	Yes
Remote Job	No	No	No	Yes
Attractive UI	Yes	No	Yes	Yes
User Friendly	Yes	No	Yes	Yes
Authentication	Yes	Yes	No	Yes
Easy Navigation	Yes	No	No	Yes

Figure 6: Similarity Check

2.3 Artefact (Proposed): Remote Job Finder

2.3.1 WBS

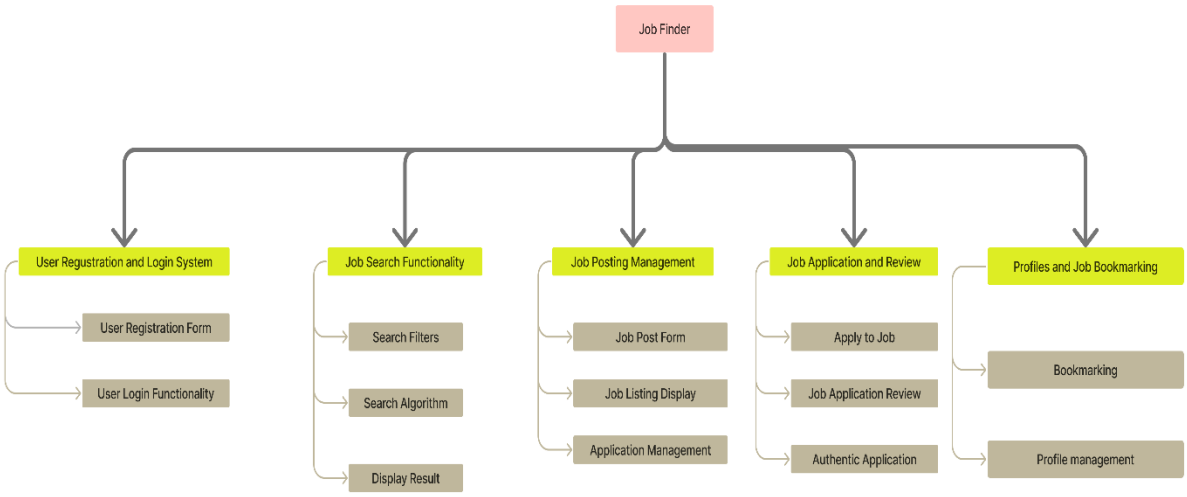


Figure 7: WBS

2.3.2 Overview

The "Remote Job Finder" platform that connects job searchers with remote employment possibilities across multiple industries and places is the suggested artefact. Django will be used as the backend framework for the platform's development, and it will adhere to the Scrum development technique for an agile and iterative process.

2.3.3 Justification and Relation to Academic Question

The object directly responds to the academic question of how to satisfy the requirements of the remote employment market. It responds to the growing trend of remote work by developing a dedicated platform with sophisticated search capabilities and user-friendly features, and it makes it easier for job seekers to identify suitable remote possibilities.

2.3.4 Consideration of Other Artefacts

Although there are other job search tools, the Remote Job Finder platform stands out since it is focused on remote employment prospects. It guarantees a reliable and scalable solution to manage a growing user base and job postings by using Django as the backend.

2.3.5 Full Details of the Artefact

The primary components that will be part of the Remote Job Finder platform:

User Registration and Login System: Job searchers and employers can register and log in safely and easily.

Job search Functionality: can find suitable remote jobs using a robust search engine with filters (keywords, location, category, and job type).

Job Posting and Management: Employers can post remote job vacancies, modify details, and manage their job listings using this user-friendly interface.

Job Application and Review: Employers should have tools to efficiently review and handle applications, as well as a streamlined application process for job seekers.

User and Company Profiles: In-depth profiles that allow job searchers to highlight their abilities and experiences, as well as company profiles that allow employers to introduce their business.

Job Bookmarking: A feature that makes it simple to save many jobs you like and apply for them later.

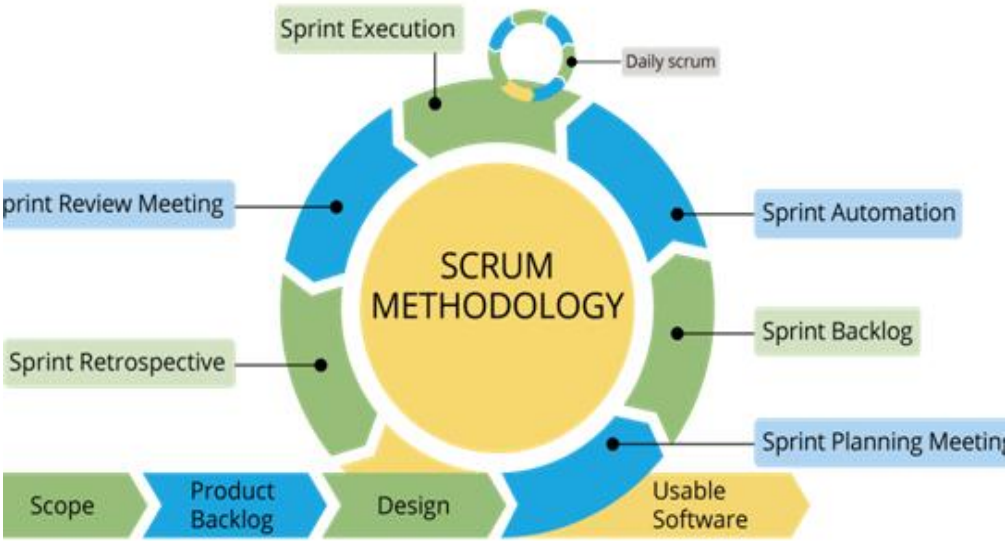
Analytics and Insights: Employers will gain access to statistics and insights regarding the effectiveness of job postings.

2.3.6 Development Approach

The project will be developed using the Scrum development approach, which divides the development process into sprints of iterative work. The team will work closely together, having frequent meetings and prioritizing features based on user input and project objectives.

2.3.7 Methodology Justification

Scrum is chosen as the development approach because of its adaptability to changing needs, openness, and flexibility. It will make it possible for the development team to regularly release platform functional increments, assuring ongoing development.



(Agile Arena, 2020)

Figure 8: Scrum Methodology

2.3.8 Tools and Techniques

Django will be used as the backend foundation for the "Remote Job Finder" platform's development, while a combination of HTML, CSS, JavaScript, and SCSS will be used for the frontend. The integrated development environment (IDE) will be Visual Studio Code (VS Code), and Figma will serve as a tool for wireframing and design collaboration. Git will be used to maintain version control, ensuring effective work and code management.

2.3.9 System Testing

Unit Testing: Unit tests should be performed on individual components to verify their accuracy and functioning.

Integration Testing: To guarantee smooth operation, test the integration of various parts.

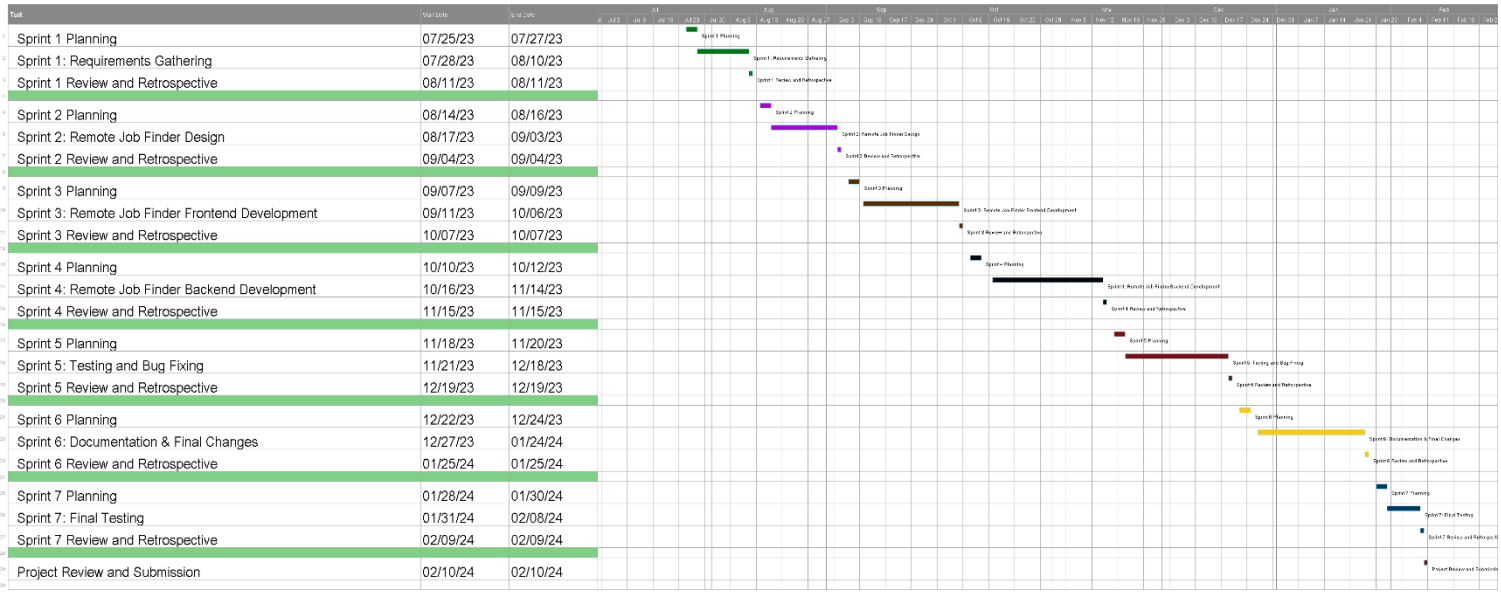
Blackbox Testing: To ensure software functionality and fulfilling specifications.

User Acceptance Testing: During each sprint, collect user input to confirm the platform's usefulness.

Performance Testing: Examine the platform's scalability and response times under various user loads.

3. Plan/Schedule

3.1 Gantt Chart



Task	Start Date	End Date
Sprint 1 Planning	07/25/23	07/27/23
Sprint 1: Requirements Gathering	07/28/23	08/10/23
Sprint 1 Review and Retrospective	08/11/23	08/11/23
Sprint 2 Planning	08/14/23	08/16/23
Sprint 2: Remote Job Finder Design	08/17/23	09/03/23
Sprint 2 Review and Retrospective	09/04/23	09/04/23
Sprint 3 Planning	09/07/23	09/09/23
Sprint 3: Remote Job Finder Frontend Development	09/11/23	10/06/23
Sprint 3 Review and Retrospective	10/07/23	10/07/23
Sprint 4 Planning	10/10/23	10/12/23
Sprint 4: Remote Job Finder Backend Development	10/16/23	11/14/23
Sprint 4 Review and Retrospective	11/15/23	11/15/23
Sprint 5 Planning	11/18/23	11/20/23
Sprint 5: Testing and Bug Fixing	11/21/23	12/18/23
Sprint 5 Review and Retrospective	12/19/23	12/19/23
Sprint 6 Planning	12/22/23	12/24/23
Sprint 6: Documentation & Final Changes	12/27/23	01/24/24
Sprint 6 Review and Retrospective	01/25/24	01/25/24
Sprint 7 Planning	01/28/24	01/30/24
Sprint 7: Final Testing	01/31/24	02/08/24
Sprint 7 Review and Retrospective	02/09/24	02/09/24
Project Review and Submission	02/10/24	02/10/24

Figure 9: Gantt Chart

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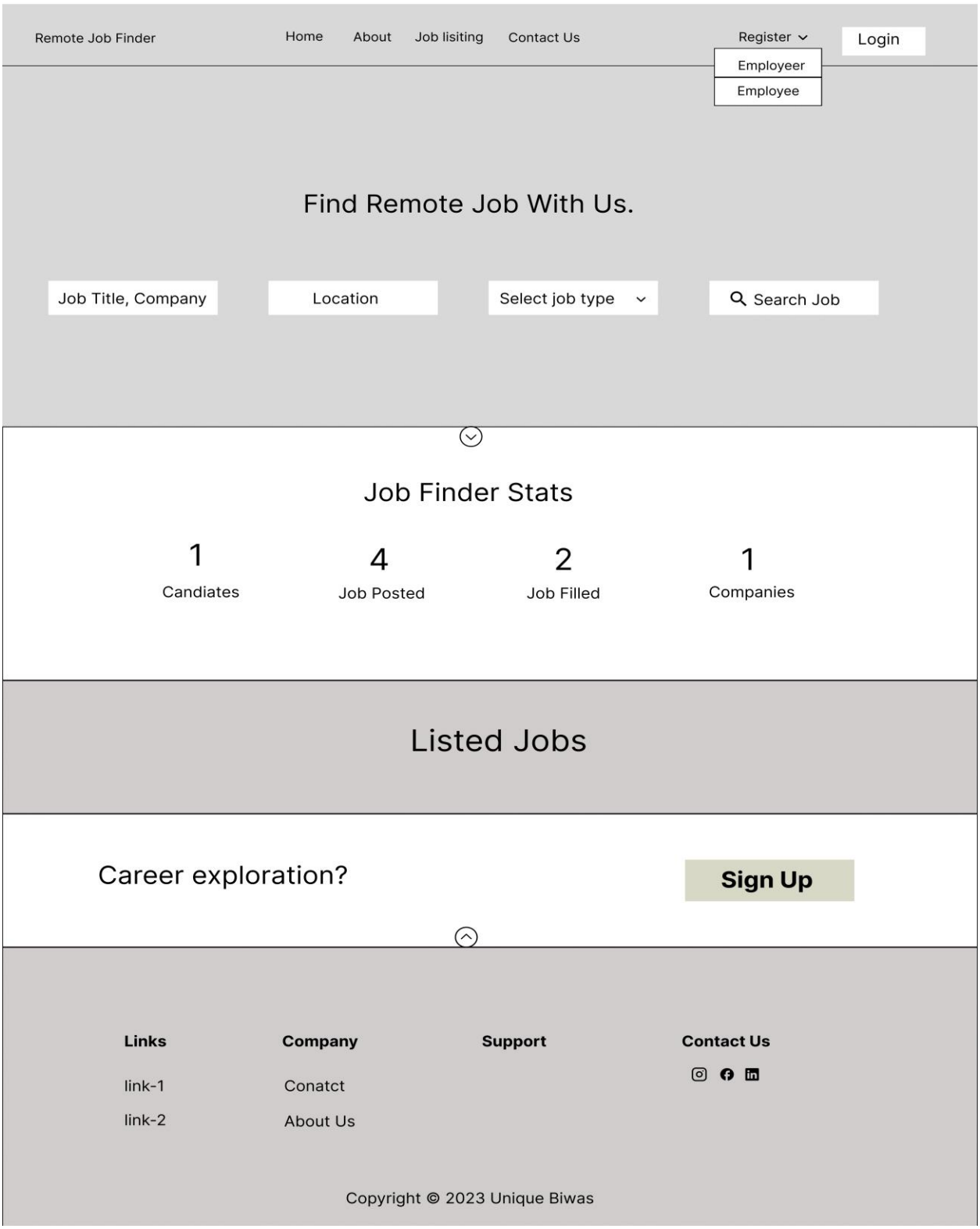
5. Appendices

Rough wireframes



IMG

Save Job

Apply Now

Job Summary

- Published on: 01 Aug 2023
- Employment Status: Part Time
- Job Location: kathmandu
- Salary: 100000
- Application Deadline: 28 Dec 2023

Job Description

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Apply Now

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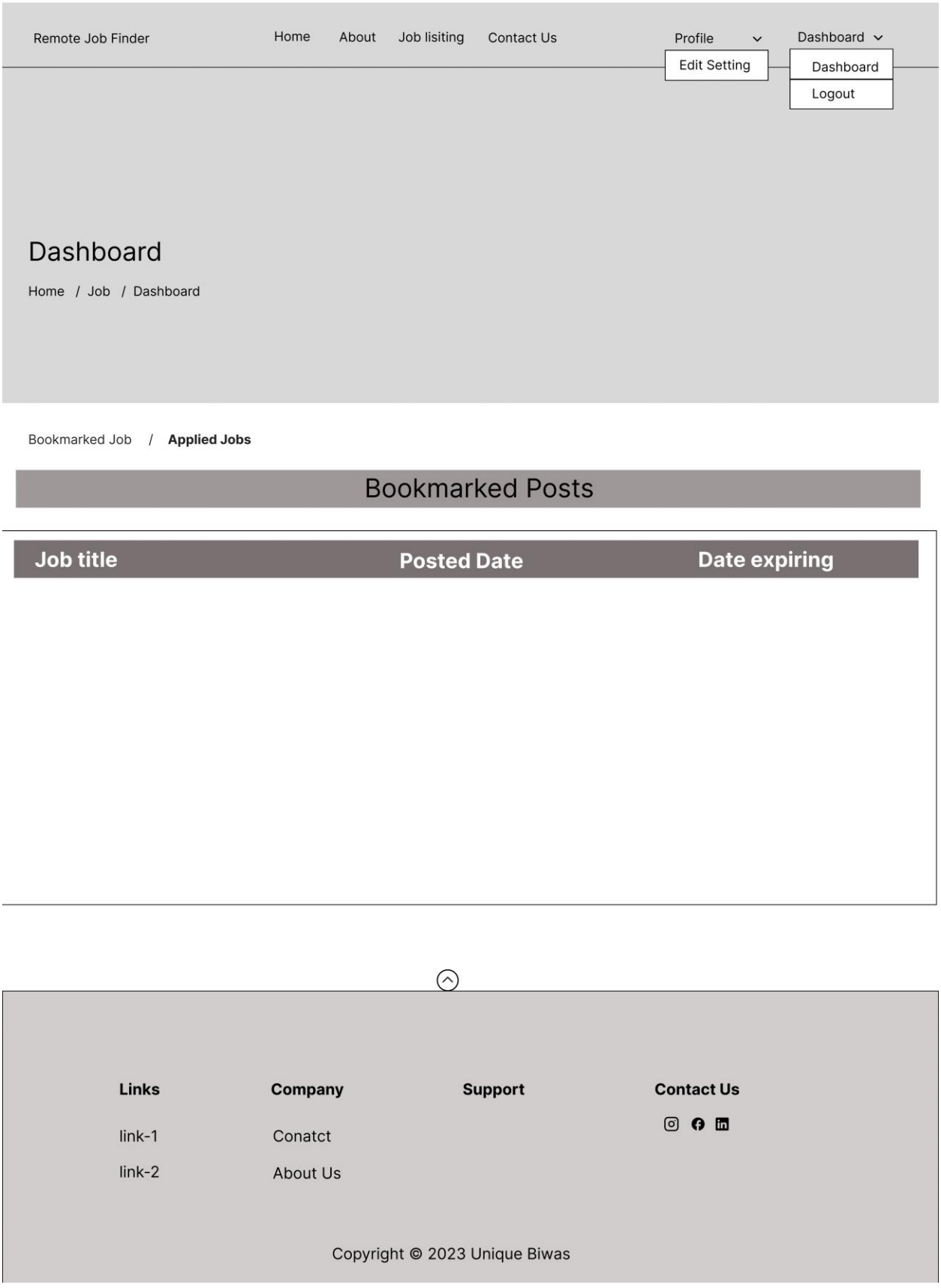
Remote Job Finder
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Job title
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Date expiring
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Bookmarked Job / Applied Jobs

Bookmarked Posts

Job title	Posted Date	Date expiring	Actions

Update Profile

First Name:

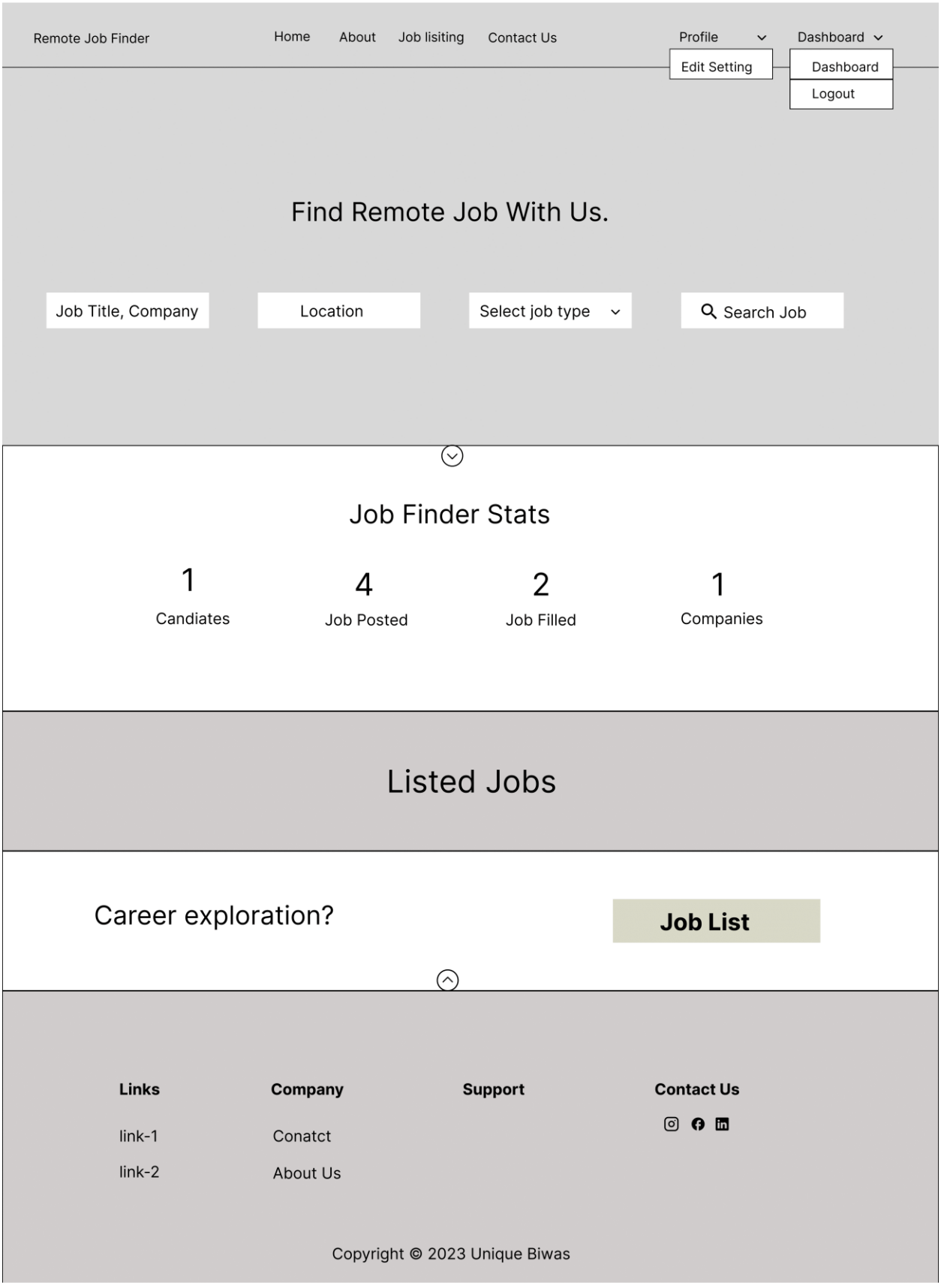
Last Name:

Phone Number:

Gender:

○ Male ○ Female

Update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Job Title, Company
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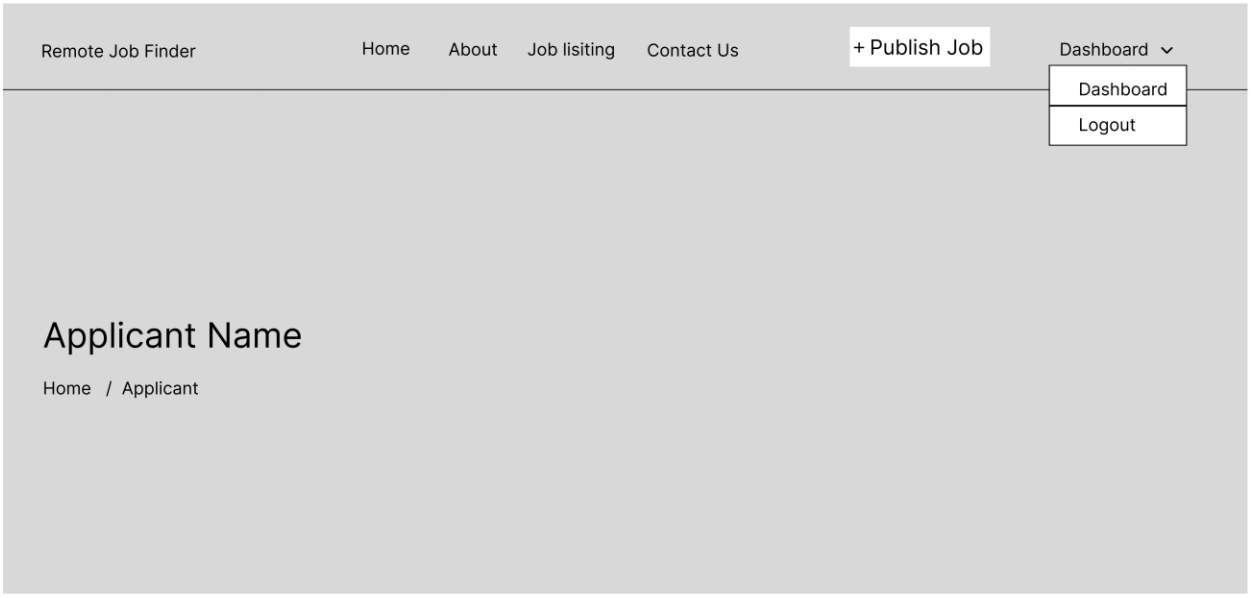
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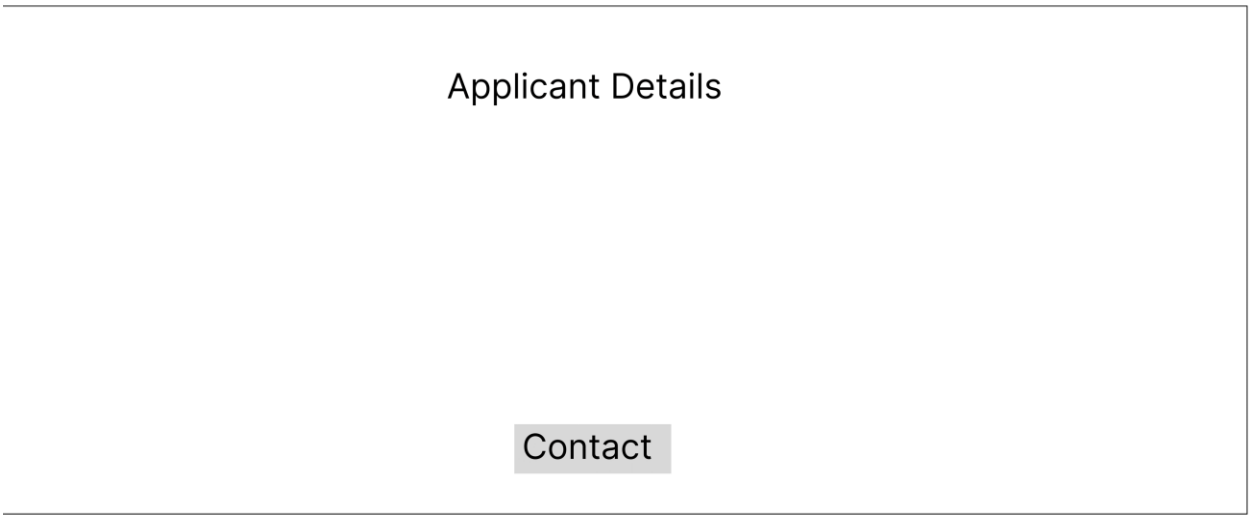
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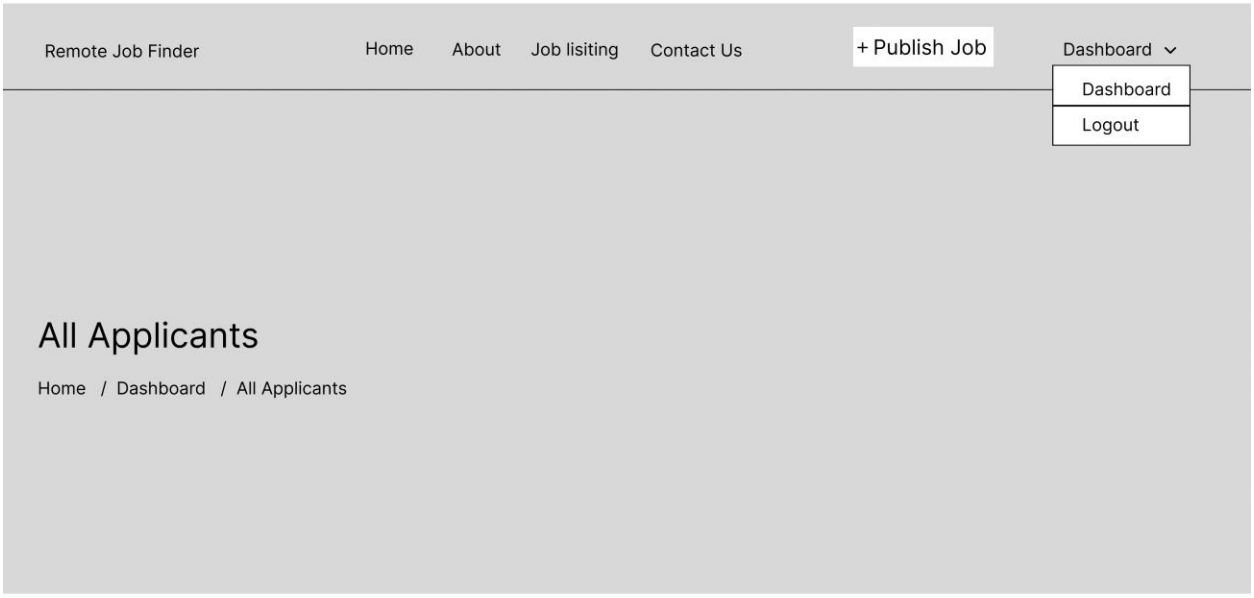
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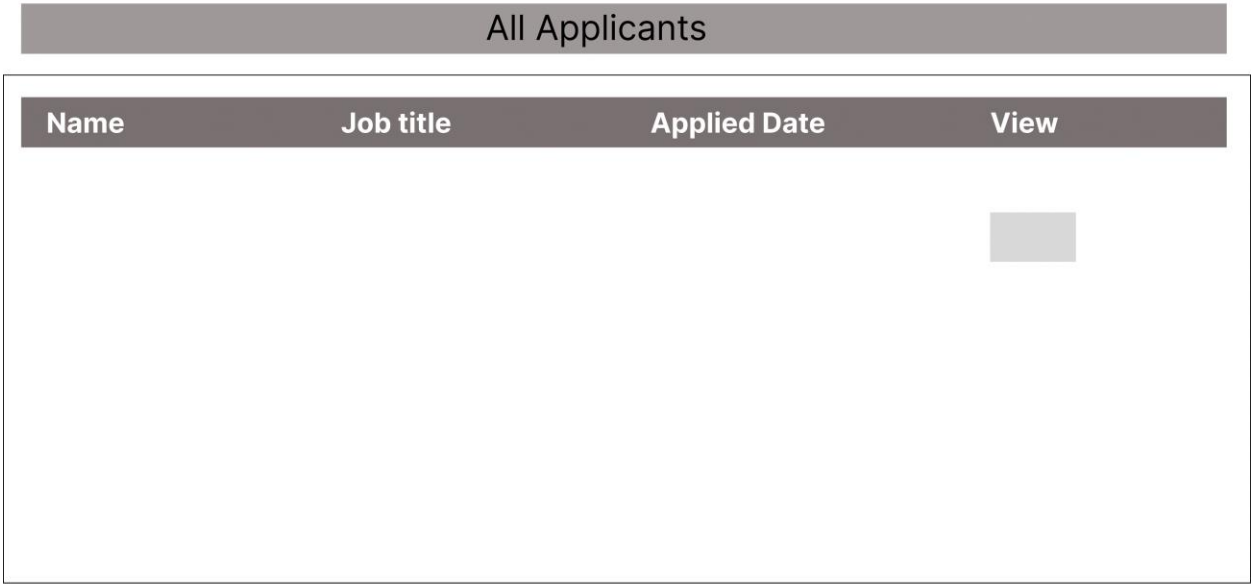
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Applied Date
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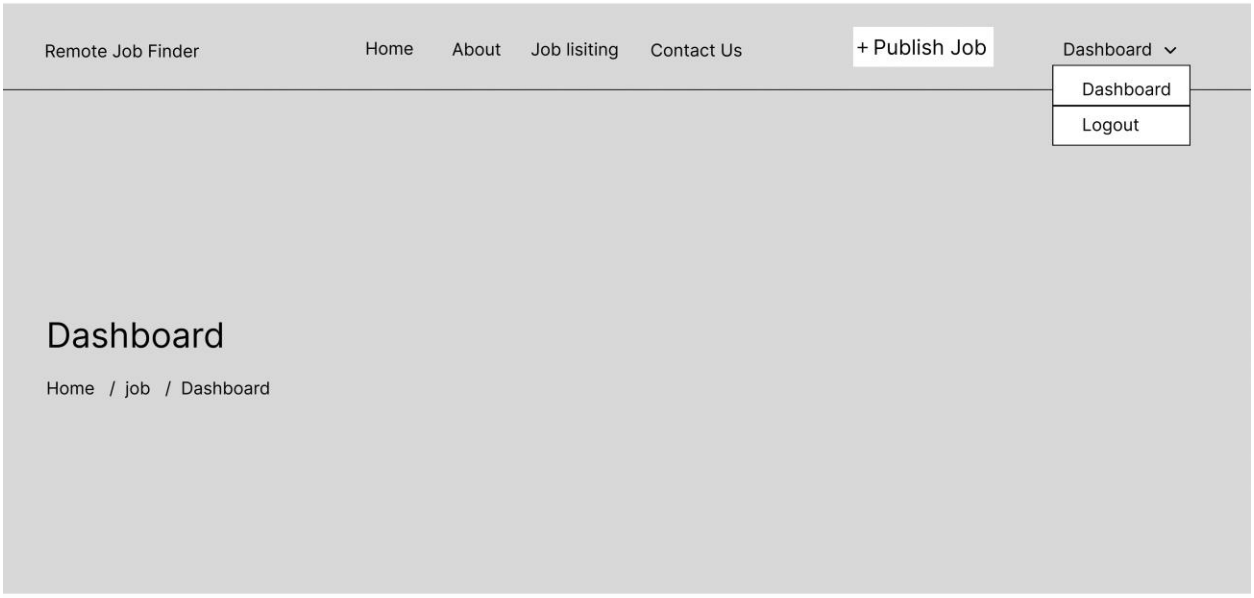
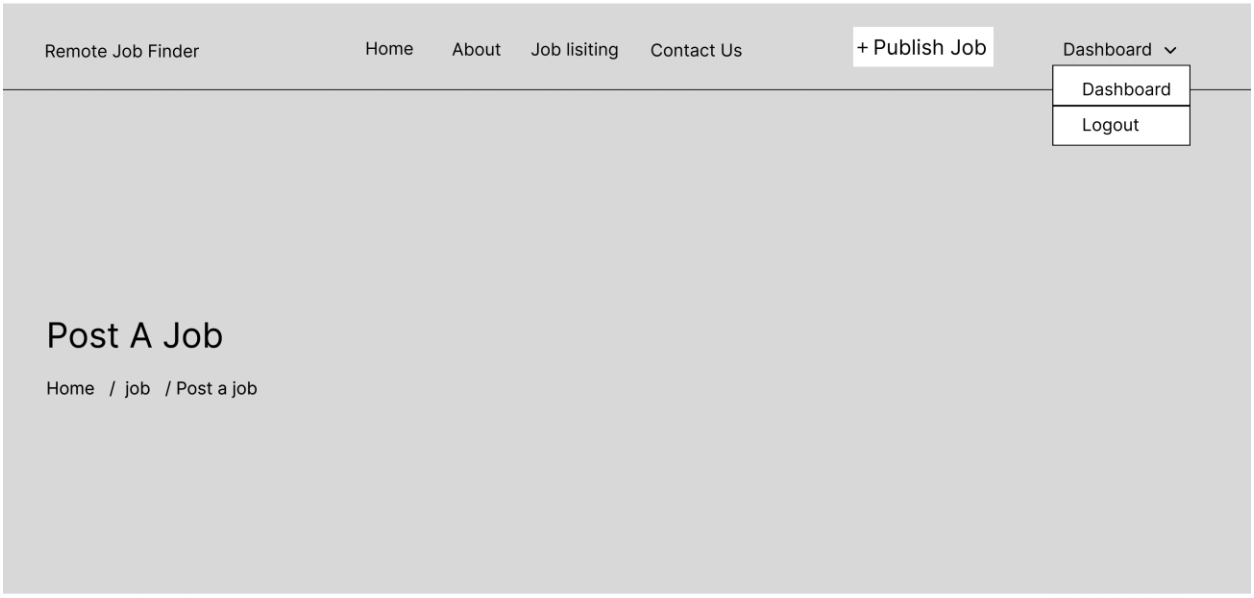


My all Job

Job Title	Posted Date	Date expiring	Status	Applicants	Action



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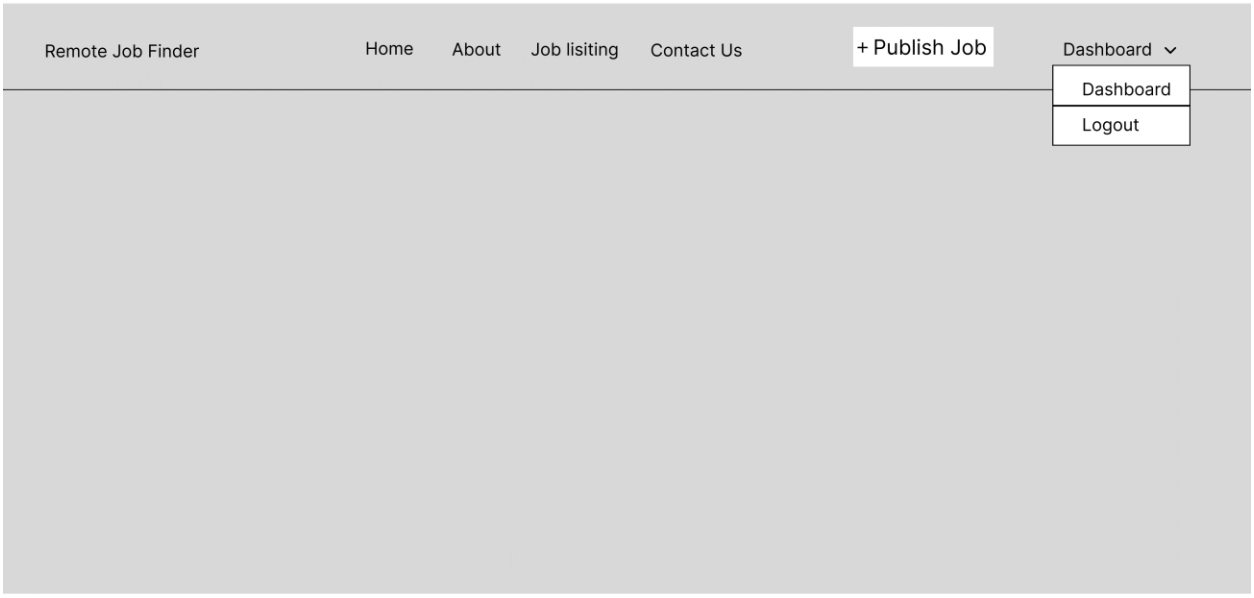
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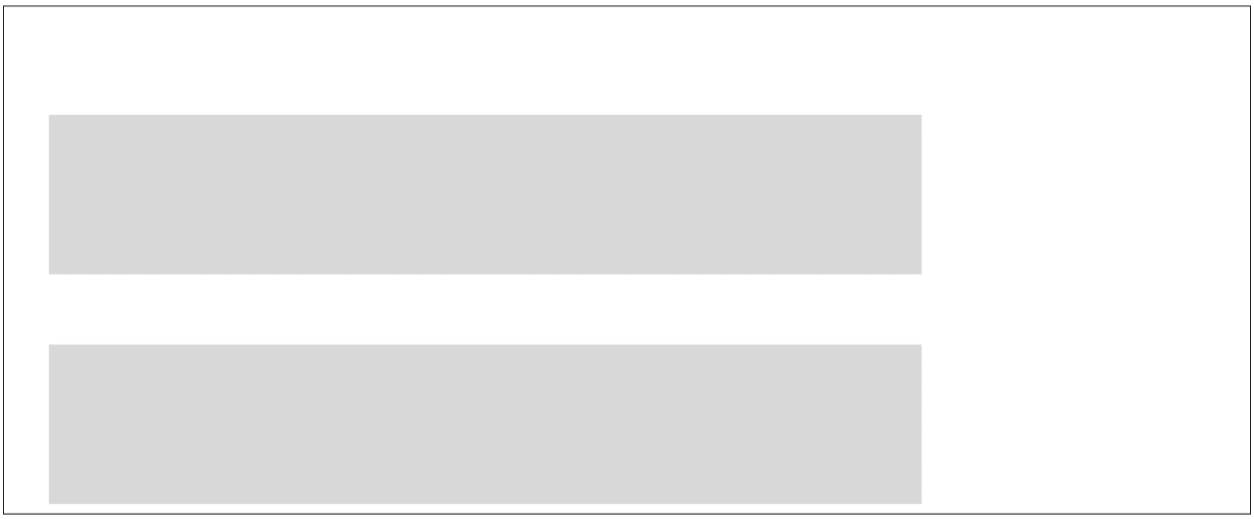

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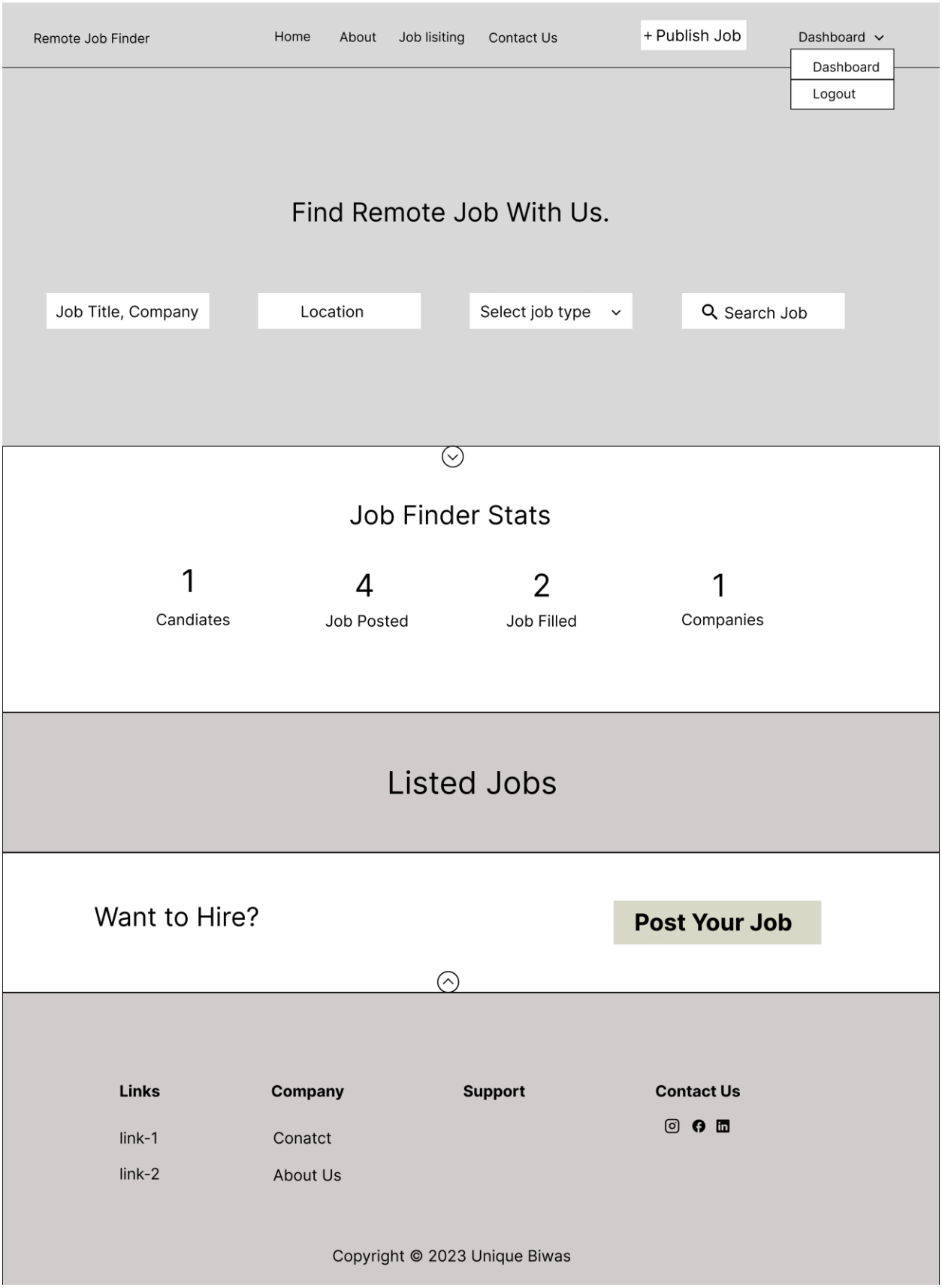
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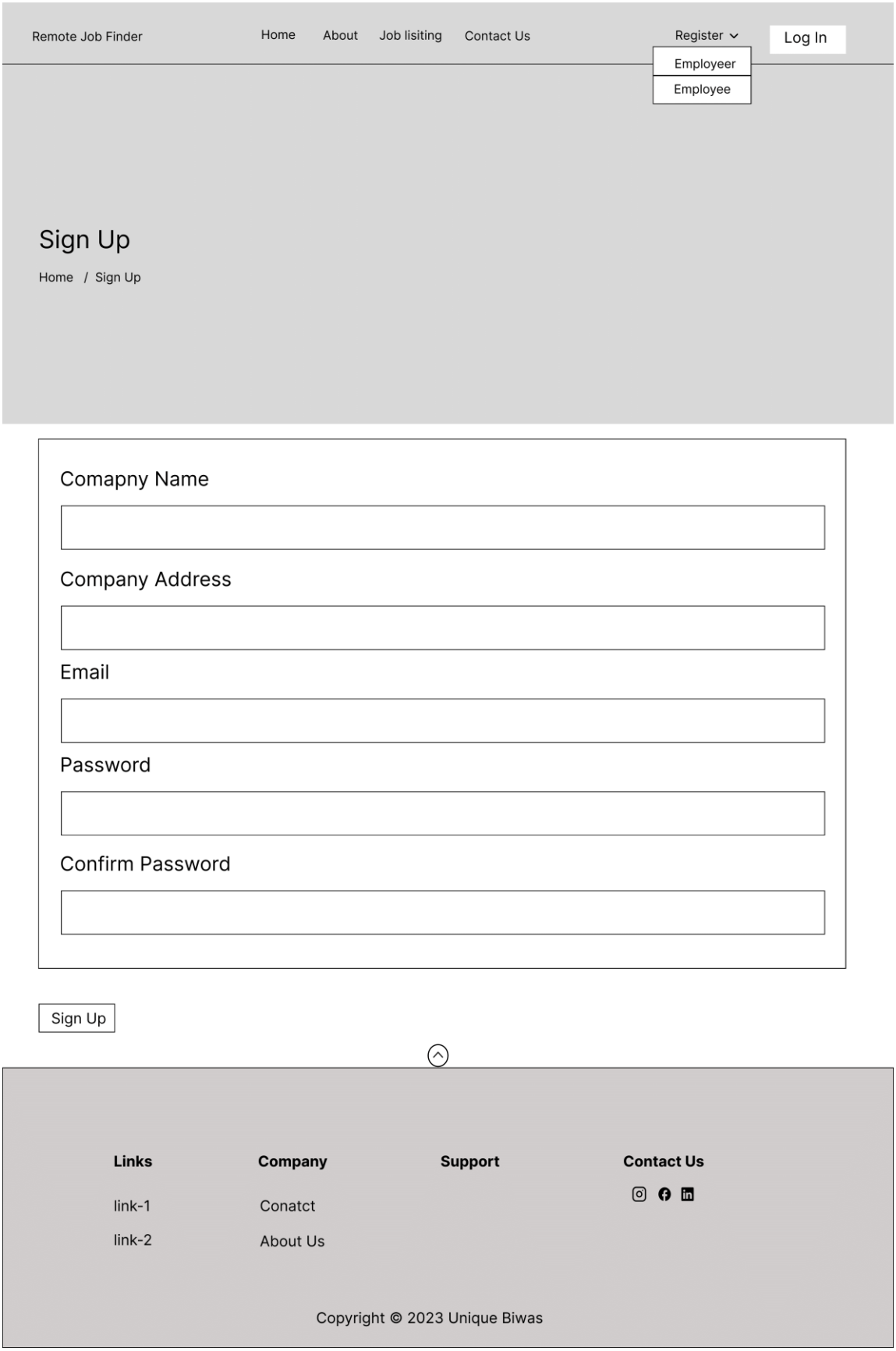
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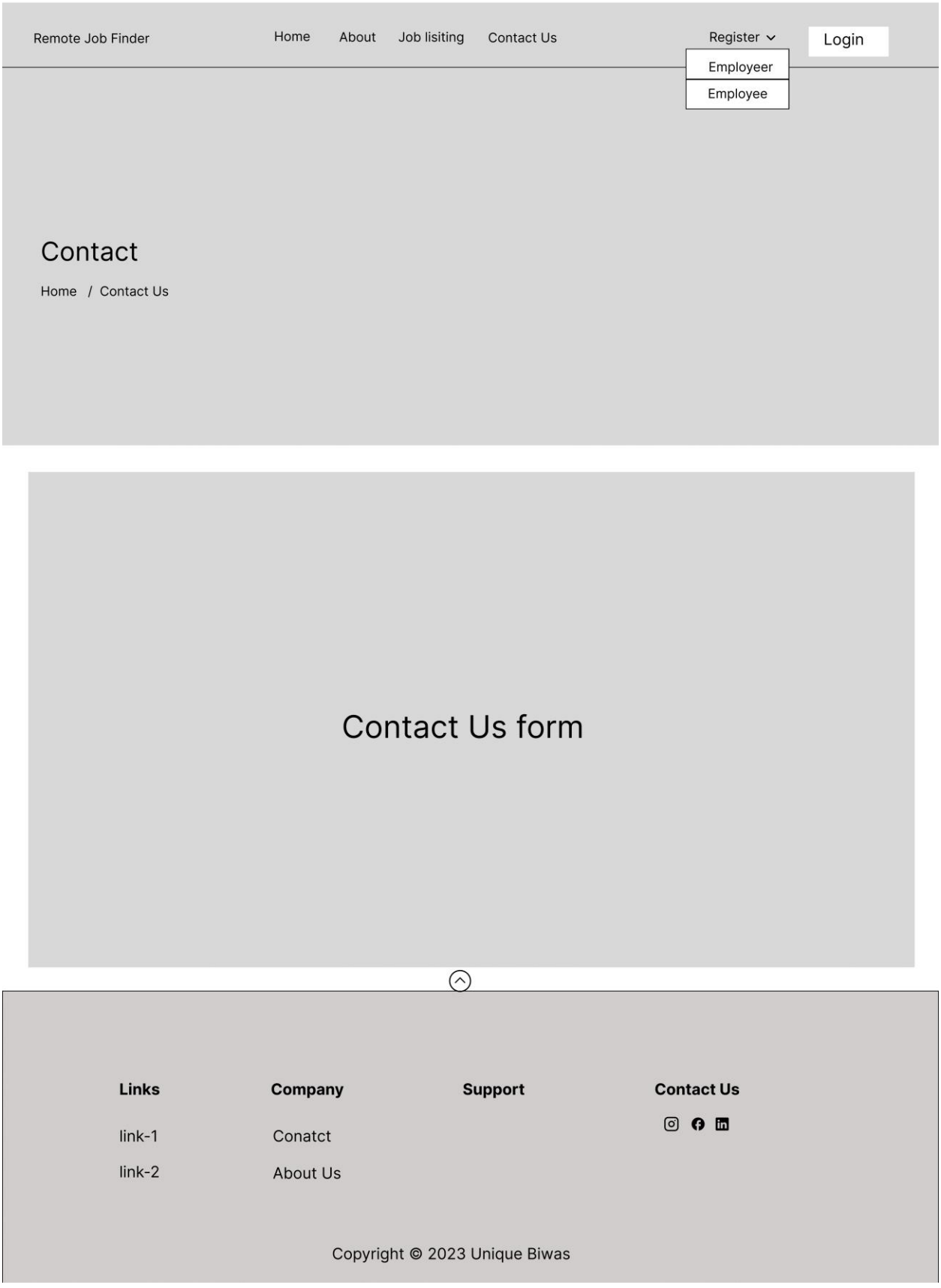
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