

A WEB APP FOR ONLINE JOB PORTAL

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This Report Presented in Partial Fulfillment of the Requirements for
The Degree of Bachelor of Science in Computer Science and
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APPROVAL

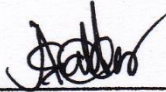
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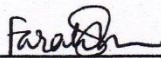
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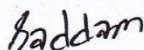
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DECLARATION

We hereby declare that, this project has been done by us under the supervision of **Mohammad Rayhan Amin, Lecturer, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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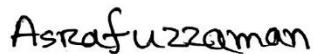
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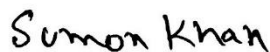
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ABSTRACT

This project titled “**A web App for Online Job Portal**” is a web application for Job Seeker and Job provider of Bangladesh. By Using this application job seeker can search job and apply for the job throw online. Job provider can post job and can get application from job seeker by our web app. Now a days Computer and smart phone turns into a part of our life. We can't think a single moment without Computer & Smart phone. We are bound to utilize our Computer for useful reason in our day by day life. Among these Computer OS, Web has greater percentage. Computer and mobile phone OS are likewise an open source stage and it has enormous number of clients. For this we thought, that we should build something in Web that has practical use to the user. Our app will help you with all the information about getting Job. Our project will increase the security and decrease crime. It also saves money & reduces time. We think for rural people and community. In rural area, there have many job fields to work part time or full time. But there is no media to search employee and get job. We try to make it user friendly. For Design and develop our web app, we use Bootstrap, html and CSS for front-end design and PHP framework for back-end design. We use My SQL as our main database. After finishing all the task and test process this application proved to be working effectively.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Online Job Portal is an online job portal system project that is a medium between job provider and job seeker. By this system job provider can post job with requirements and job seeker can apply to the post for job. This System allows only registered users to login and new users are allowed to register on the application.

1.2 Motivation

Now-a-days large number of technologies have been developed in world. Computer and mobile technology are one of them. Day by day world become easy for us. But searching employee for Job Provider and Getting job for job seeker was hard. Job provider post job by circular in News-paper, print media & television. That was more costly and recruit procedure needs long time. Job seeker have to always update with news-paper and various option for getting circular and he/she have to submit cv in office by going there. Job seeker can't verify that circular is right or wrong. Some dishonest person used this chance to hassle job seekers for money and others.

But if they use online job portal both are safe. Job provider can post job easily and can get perfect job holder by requirements. Job seeker can see all post in one medium and can apply easily and send CV easily using this system. They can easily verify that circular is authentic or not. There have review system in company profile and fake circular are removed by admin. The project work is about the designing and hosting the web portal for job provider and job seekers. Using HTML, CSS, PHP, CODEIGNITER, jQuery and MySQL for the database, this web portal has been developed.

1.3 Objectives

The goal of this system is help for searching employee and getting job easily.

The goals of our system are:

- Job provide can post job.
- Job Seeker can see circular, and search circular by category.
- For apply to the job user need login at first.

- Admin can Approved job post, manage post, remove post.
- Job Provider can send message job seeker.
- User can give review to job provider company and report to admin.
- When job posted, user get notification.

1.3 Expected Outcome

By using this web app job provider can job post by paying less money. When job post approved by admin job seeker those who have matching job category when they registered are get notification and can apply to the job by login. He/she can make CV by fill up CV form in our portal. Job seeker can give review to the job provider company so that every job seeker can be careful while applying to the job. It is mainly design for rural and local job. Job seeker can get job locally and unemployment will go away locally. Both Job Provider and job seeker can communicate by send message via our system.

1.4 Report Layout

Chapter 1 we will discuss about introduction, objectives, motivation and the expected outcome of our project.

Chapter 2 we will discuss about related works, comparative studies and challenges that we have face to implement our project.

Chapter 3 contains requirement such as business process modeling, requirement analysis and modeling, logical data model & design specification.

Chapter 4 we will discuss about Front-end design, back-end design interaction design & UX and implementation requirements are described in this section,

Chapter 5 we discuss about the implementation of data base, implementation of front-end design, implementation of interaction, testing implementation and test results and reports.

In chapter 6 we discuss about conclusion and the future scope of our project.

CHAPTER 2

BACKGROUND

2.1 Introduction

Job portal website is a web app that can provide the service for posting job and apply for getting the job where job provider company post job circular by paying needed money sometimes it's free. This web application enables employers to post work necessities for a situation to be filled and are normally known as job sheets, boss surveys, vocation and quest for new employment guidance, and portray diverse sets of expectations or manager [7]. By this job seeker can locate and fill out a job application or submit Resumes over the Internet for the advertised position [7]. The goal of the web app is to get job and searching employee. It is designed for rural people where they can get job locally and job provider can get trusted employee. It was easy to determine that job circular, job provider company and job seeker are authentic or not by using review option. All user can see all category and job post in home page. User can search job by category, company name and location. Job provider company need to create company profile by registering as a job provider. After completing registration, they can post job. Job seeker can apply to the job by login as a job seeker. For new user they have to complete registration at first. Sometimes job provider needs to urgent communicate with job seeker they can do it easily by send message. Notification system will more helpful for user to search job timely.

2.2 Related Works

There is some web app almost similar with our web app but this have many differences with our web app. Some web apps are:

BDJOBS: It is an interior design web application which provides job post for job provider and job search and apply by category for job seeker [1].

BANGLACYBER: They provides only government job circular of Bangladesh [2].

Careerjet.com.bd: It is also a job searching website that's provide job search by category and location and apply online [3].

2.3 Comparative Studies

In our job portal web application, all user can see the job post and search job by category and location. Job Provider Can post job buy paying less money. When money received by admin can Approves job post. For posting job they have to log in first if he/she registered already. For new user they have to Registration first by providing necessary information and then log in to their account. Job seeker can apply to the post by log in. If they are also new user, they have to register first by providing necessary information. They can upload cv manually or can create cv from our web application. When new user registered him/her self they have to provide job category and location where they can want job and which job they want. When Job provider post job, all matching category job seeker user get notifications. Job seeker can review and rating to the job provider company.

2.4 Scope of the problem

It's web application, so if the job seeker and job provider does not have computer and smartphones or they do not know how to use computer or smartphone it will be no effect for them. In this application should contain job provider/job seekers user id and password to post job and apply job. It is not a free web app so when job provider post job they have to pay first otherwise job post will not approved by admin. We want to add Fraud Act in our app. But most of the people do not know how to implement this law in their day to day life.

2.5 Challenges

- i. The main challenges are to language barrier. Because most of the people in our country do not know English.
- ii. We use English to develop our application.
- iii. The application user connected by using internet. So, they must have internet connection.
- iv. The next challenge is to implement this app in rural area.
- v. Use a suitable database that store all the information and give security.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Business Process Modeling

Business Process Model is a procedure of making a constructional view of a system or process. It contains some process, starts, symbol, condition as like a flow chart [4]. In our project system we make a BPM model its show how to send job seeker information to the company. Then company verifies the information will send the job providers of company. It is also view what will happen if the job seeker information is not verified. If the information data is correct satisfying all quality then the job seeker information data save on database and call for interview by company. Business process model shows in Figure 3.1.

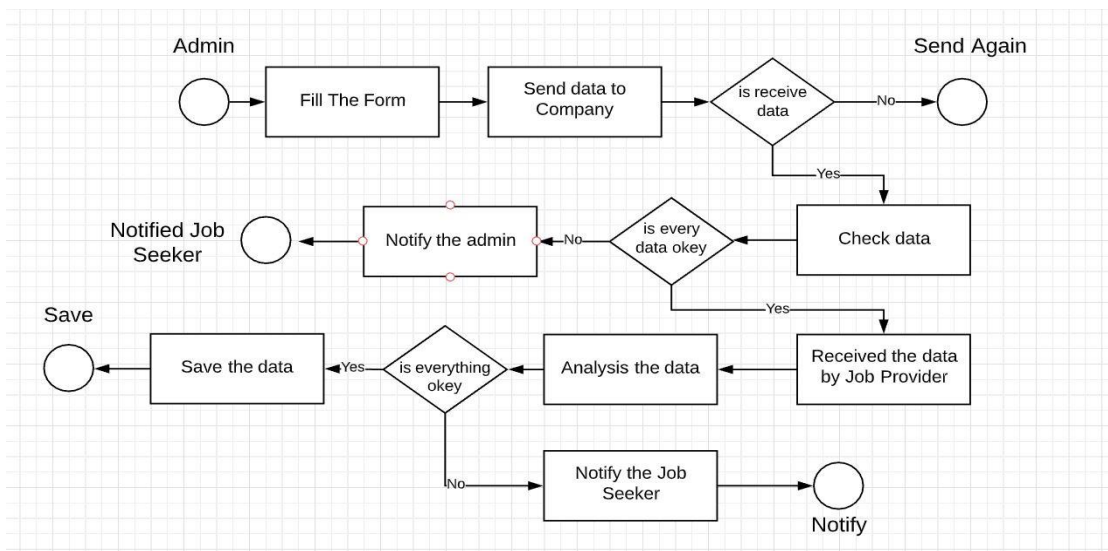


Figure 3.1: Business Process Model

3.2 Requirement Collection and Analysis

For development a system of any kind of web application Requirement collection and analysis are very important part. It reached the goal of the user, admin. Our application concern with requirement of job portal, job seeker, job provider and admin. We want to them and tried to know that their requirement for the web application. In this project company is job provider and user are a job seeker. Company suggest developing a web

application which they can provide job to the job seeker of best pleasurable requirement.

3.3 Use Case Modeling

A use case model described graphical description of the interactions among the elements of a system. A use case is a methodology used in system analysis to identify, clarify and organizing system requirements [5]. Use case modeling of the app is shows in Figure 3.2.

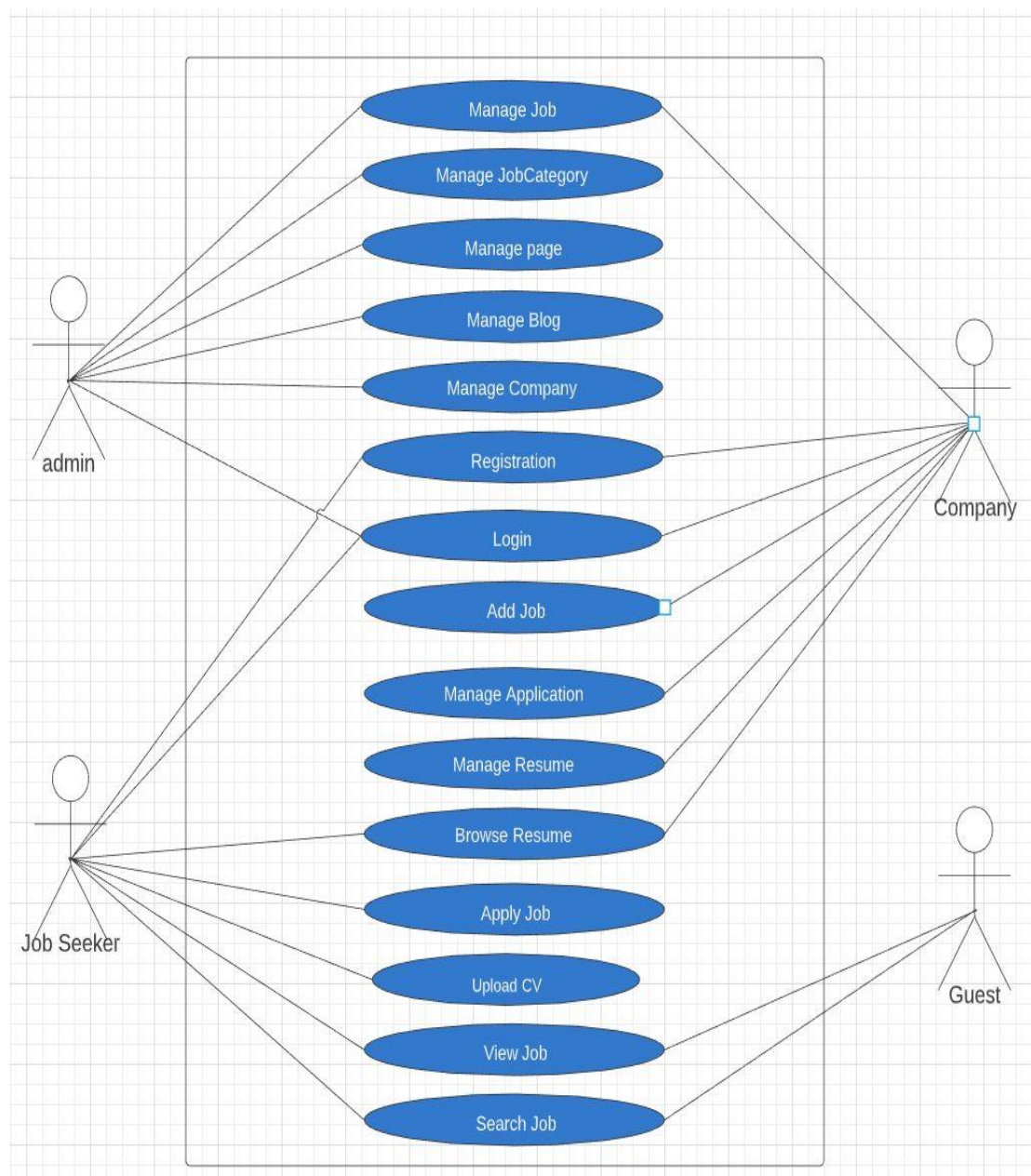


Fig 3.2: Use Case Diagram

Use Case: Admin Sign In

Actor: Admin

Precondition: None

Primary Path:

1. Username
2. Password
3. Click on “Sign In” button

Alternate Path:

1. Username or Password is incorrect

Use Case: Receive information

Actor: Admin

Precondition: Provide key

Primary Path:

1. Verify information

Alternate Path:

1. Information is not Received

Use Case: Store information

Actor: Admin

Precondition: Information received

Primary Path:

1. Check the accuracy
2. Manage database

Alternate Path:

1. Inform the seeker register

Use Case: Admin sign out

Actor: Admin

Precondition: Sign In

Primary Path:

1. Click on “Sign Out” button

Alternate Path:

1. None

Use Case: Job Seeker Registration

Actor: Seeker

Precondition: None

Primary Path:

1. Enter name
2. Enter email
3. Enter password
4. Enter mobile number
5. Enter address
6. Upload profile picture
7. Click on “Register” button

Alternate Path:

1. Enter valid email or password

Use Case: Job Seeker Log In

Actor: Seeker

Precondition: Register

Primary Path:

1. Enter name
2. Enter email
3. Enter password
4. Enter mobile number
5. Enter address
6. Upload profile picture
7. Click on “Log In” button

Alternate Path:

1. Email or Password is incorrect

Use Case: Company Register

Actor: Company

Precondition: None

Primary Path:

1. Enter company name
2. Enter company email

3. Enter author name
4. Enter location
5. Enter password
6. Click on “Register” button

Alternate Path:

1. Enter valid email or password

Use Case: Company Log In

Actor: Company

Precondition: Register

Primary Path:

1. Enter user email
2. Enter password
3. Click On “Log In” button

Alternate Path:

2. Email or Password is incorrect

Use Case: Manage Job

Actor: Company, Admin

Precondition: Log In

Primary Path:

1. Click On “Manage Jobs” link

Alternate Path:

1. No data found

Use Case: Manage Job Category

Actor: Admin

Precondition: Log In

Primary Path:

1. Click On “Job Category” dropdown menu

Alternate Path:

1. No data found

Use Case: Manage Page

Actor: Admin

Precondition: Log In

Primary Path:

1. Click On “Page” dropdown menu

Alternate Path:

1. No data found

Use Case: Manage Blog

Actor: Admin

Precondition: Log In

Primary Path:

1. Click On “Blog” dropdown menu

Alternate Path:

- 1.No data found

Use Case: Manage Company

Actor: Admin

Precondition: Log In

Primary Path:

1. Click On “Company” dropdown menu

Alternate Path:

1. No data found

Use Case: Add Job

Actor: Company

Precondition: Log In

Primary Path:

1. Click On “Add Job” menu
2. Enter job title
3. Enter location
4. Select job type
5. Select category
6. Enter job salary
7. Enter job tags
8. Enter description
9. Enter email

10. Enter closing date
11. Enter tagline
12. Upload logo
13. Upload file
14. Click On “Add Job” button

Alternate Path:

1. Must enter value without optional
2. Enter valid email

Use Case: Manage Application

Actor: Company

Precondition: Log In

Primary Path:

1. Click On “Manage Application” menu

Alternate Path:

1. No data found

Use Case: Manage Resume

Actor: Company

Precondition: Log In

Primary Path:

1. Click On “Manage Resume” menu

Alternate Path:

1. No data found

Use Case: Browse Resume

Actor: Company, Seeker

Precondition: None

Primary Path:

1. Click On “Browse Resume” menu

Alternate Path:

1. No data found

Use Case: Apply job

Actor: Seeker

Precondition: Log In

Primary Path:

1. Click On “Apply for This Job” button
2. Enter name
3. Enter email
4. Enter message
5. Upload CV
6. Click On “Send Application” button

Alternate Path:

1. Enter valid email

Use Case: Search job

Actor: Admin, Company, Seeker, Guest

Precondition: None

Primary Path:

1. Fill Search box
2. Click On “Search” button

Alternate Path:

1. Enter valid text

3.4 Logical Data Model

The logical data model or Entity Relationship (ER) diagram of our web app contains relational table named tbl_user, seeker, seeker_education, seeker_tag, tbl_company, applications, pages, tbl_category, tbl_job_category, tbl_job, tbl_blog. Here, we can describe how these entities are connected with each other. Figure 3.3 shows the ER diagram.

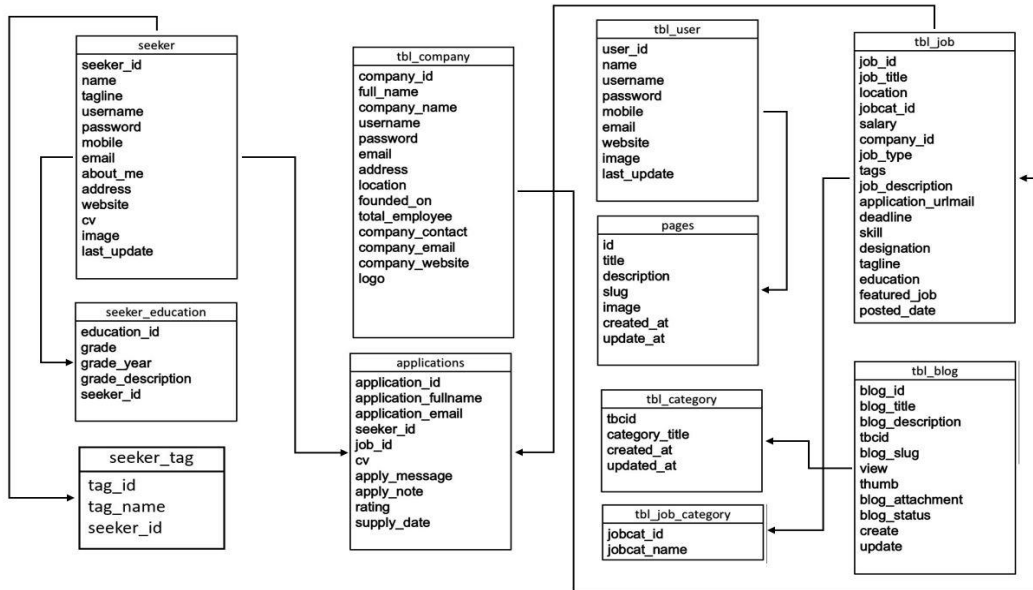


Figure 3.3: ER Diagram

3.5 Design Requirement

Always a user-friendly designed web app is pleasure to use. Our app provides service to searching employee and search job for getting job locally in rural area of Bangladesh. Though the users of our web app are the local people so, we try to develop and design the interface of our web app user friendly. A well design web app is very indispensable, but we should solidify to the output design of the web app first. User typically use this app to find expected job locally, easily and safely. Through the users of our site are the job seeker so, we try to make the interface of the website convenient to the user. Job Provider company use this website to post job and getting cv from job seeker for finding good and experienced employee. So, it's our responsibility to simplifying this app by making user interface simple.

CHAPTER 4

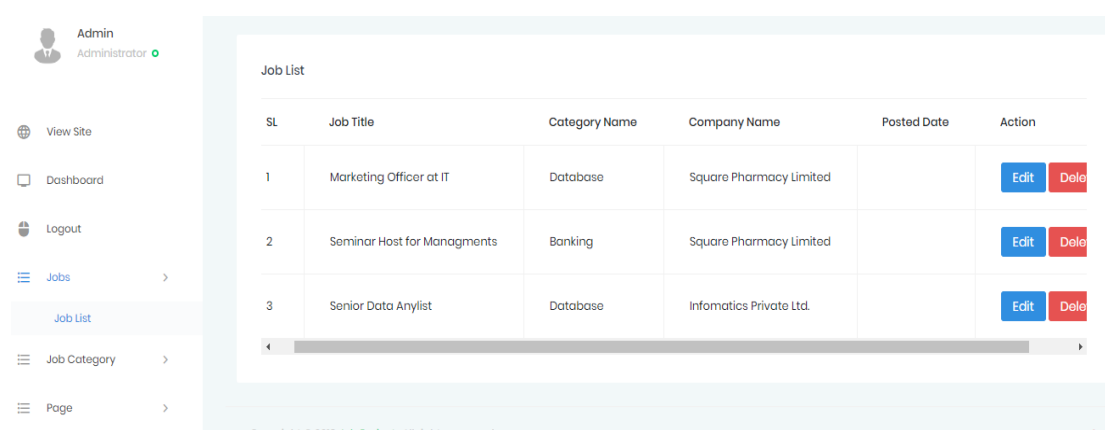
DESIGN SPECIFICATION

4.1 Front end design

Front end design is very important for take the attraction of users. For this we use many graphical user interface (GUI). Our front-end design is easily understandable by users. In our front page we set a job search box in the middle. Login & registration option. To sign in this app the user must complete the registration [8]. Our front-end design is highly attractive. We make our front-end pages responsive. User within 10 seconds can find out his desire thing.

4.2 Back end design

Back end design is only visible by developer. Back end design determines how the front-end design interact with users. To develop our project, we use Codeigniter framework. It's a framework of PHP programming language. User send their information to our website to register, post job, send job application. So, we were need a database. So, we built database to store user data. We use MySQL to create the database. We make so many database Table to store data. Because we normalize our database how much possible. We have different database for job seeker, job provider, job, company etc. When a user sign in this app, a database is automatically generated for the user [9]. Figure 4.1 shows how much jobs in our site are posted.



SL	Job Title	Category Name	Company Name	Posted Date	Action
1	Marketing Officer at IT	Database	Square Pharmacy Limited		Edit Dele
2	Seminar Host for Managements	Banking	Square Pharmacy Limited		Edit Dele
3	Senior Data Anylist	Database	Infomatics Private Ltd.		Edit Dele

Figure 4.1: Job list on admin panel.

In this figure we can see how much job are currently available. In figure 4.2 shows how job category we enlisted here.

Sl	Category Name	Action
1	Anyllsis	Edit Delete
2	Banking	Edit Delete
3	Datobase	Edit Delete
4	Fine Arts	Edit Delete
5	Journalism	Edit Delete
6	Low Enforcement	Edit Delete
7	Marchandzng	Edit Delete
8	Marchandzng	Edit Delete
9	Marketing	Edit Delete
10	Marketing	Edit Delete
11	Modio Marketing	Edit Delete
12	Service	Edit Delete

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Figure 4.2: Job category dashboard.

In above figure 4.2 we can see how much job category have in our website. We add some static web page for our website rules, FAQ, terms and condition, contact us. These pages we can see in figure 4.3.

Sl	Page Title	Description	Action
1	About Us	Freshers Is Steadfast To Protect The Privacy Of	Edit Delete
2	Terms and Conditions	Please Road The Entire Terms And Conditions Car	Edit Delete
3	Privacy Policy	We Use To Gather Some Information About The Use	Edit Delete
4	Help and Faq	We Use To Gather Some Information About The Use	Edit Delete
5	Contact Us	We Use To Gather Some Information About The Use	Edit Delete

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Figure 4.3 Page List

Then we have blog option in our website how much blog in our website these we can see in figure 4.4.

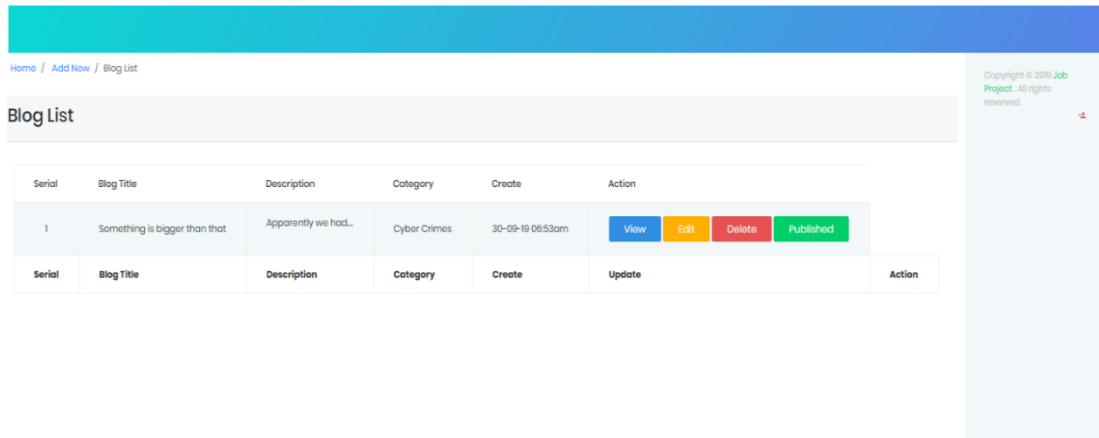


Figure 4.4: Blog list

How much company registered in our website these we can see in figure 4.5.

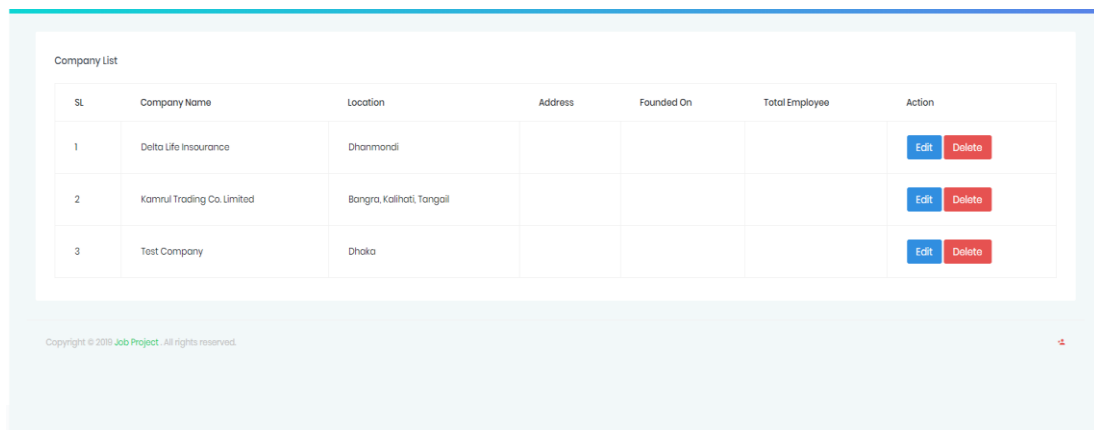


Figure 4.5: Registered company.

seeker_id	name	tagline	username	password	mobile	email	about_me	address	website	rate	cv	image	last_update
6	Ariful Islam	Professional Content Writer	NULL	202cb962ac59075b964b07152d234b70	NULL	arif@gmail.com	Here is the definition boss	Elanga, Tangail	NULL	10	NULL	img7668792.png	2019-10-27 04:57:19
7	Shamim	PHP Developer	NULL	202cb962ac59075b964b07152d234b70	NULL	shamim@gmail.com	Something is better than nothing	Dhalapara, Ghatail, Tangail	NULL	15	NULL	img3838134.png	2019-10-27 05:13:47
8	Kamal Uddin	Database Administrator	NULL	202cb962ac59075b964b07152d234b70	NULL	kamal@gmail.com	This is best i have ever seen in my life	Morbi convalis bibendum urna ut viverra. Maecenas...	NULL	50	NULL	img7509496.png	2019-10-27 05:37:28
9	Asraf Uz Zaman	NULL	NULL	81dc9bdb52d04dc20036dbd8313ed055	NULL	asraf729838@gmail.com	NULL	25, Shkrabad, Dhanmondi 32, Dhaka, Bangladesh	NULL	NULL	NULL	NULL	2019-10-29 16:38:25
10	Shakil Reza	NULL	NULL	81dc9bdb52d04dc20036dbd8313ed055	NULL	shakilreza@gmail.com	NULL	Mirpur 2, Dhaka, Bangladesh	NULL	NULL	NULL	img4558767.PNG	2019-10-29 23:46:21
11	Salekin Saiyed	NULL	NULL	21232f297a57a5a743894a0e4a801fc3	NULL	salekin@gmail.com	NULL	Mirpur 2, Dhaka Bangladesh	NULL	NULL	NULL	NULL	2019-10-29 23:47:46
12	Sumon Khan	NULL	NULL	21232f297a57a5a743894a0e4a801fc3	NULL	sumon@gmail.com	NULL	West Rajabazar, Dhaka Bangladesh	NULL	NULL	NULL	NULL	2019-10-29 23:48:42

Figure 4.6: Seeker Information

In Figure 4.6 Shows all the information by seeker id of Job seeker.

These was the major back end design of our project.

4.3 Interaction Design and UX

Relationship between the application and the user is describes in Interaction Design. How much web application is well known among the user Interaction design describes the relationship between the application and the user. How much an android application will popular among the user that depends on the interaction of the app with the user. If the app is convenient to use and it provides a great outcome to the user then it will gain the popularity. Experience is very essential for interaction design. Because mainly the user experiences focused on the experience between the user and the application. From this experience we tried to make most of the features of our app that can interact with the user. Though our app is an information-based web app so we tried to provide great information to them by using the registration option which required valid email id and password of the user [8].

UX design or user experience design is the most challenging part for a programmer. Always they need to focus on the experience of user for using android app and how they become satisfy with a product. We keep attention on this sector and tried to implement an application that has satisfactory interface which should be accepted by the user.

4.4 Implementation Requirement

To implement a project, we need different types of tools, components, and software. We also used some tools and component to implement our project. Since it is a web-based application project so we used web based design tools and components to implement our application. Here is a short description of the tools and components that required to implement the application.

4.4.1 Web platform

Web platform is a popular platform to implement any kind of Web application. It provides the great features to the programmer to implement a web app. It provides almost all the components and tools and framework for developing web app easily and quickly. We use web platform as our application IDE. It's an open source platform so, programmer prefers Web application to develop various types' web application.

4.4.2 MySQL

MySQL is the most popular real time database. We need a database to store the information of the user. We use MySQL as the main database of our application to store and maintain the information of the user. We also had to maintain the security of the personal information of the Job Provider Company and Job seeker. It synchronizing the data in real time to every connected user in the application. If we build apps that has a cross platform with PHP all of the user used the real time database instance and the user will automatically receive with the newest data by MySQL [6].

CHAPTER 5

IMPLEMENTATION & TESTING

5.1 Implementation of Database

Here we discuss about how we implement database in our system. Previously we say that we use MySQL as our database. It's the OOP version of MySQL. We know that MySQL is a real time database. So, we don't need to perform SQL query to perform action. MySQL also have all MySQL features and some extra features like prepared statements, multiple statements & transaction. Now how we use database to describe the data we explain with proper diagram [6].

In our website to be stored user data he must have to register and login. Our database normalized user data into multiple tables. The admin dashboard briefly describes the overview of our database. figure 5.1 shows the admin dashboard.

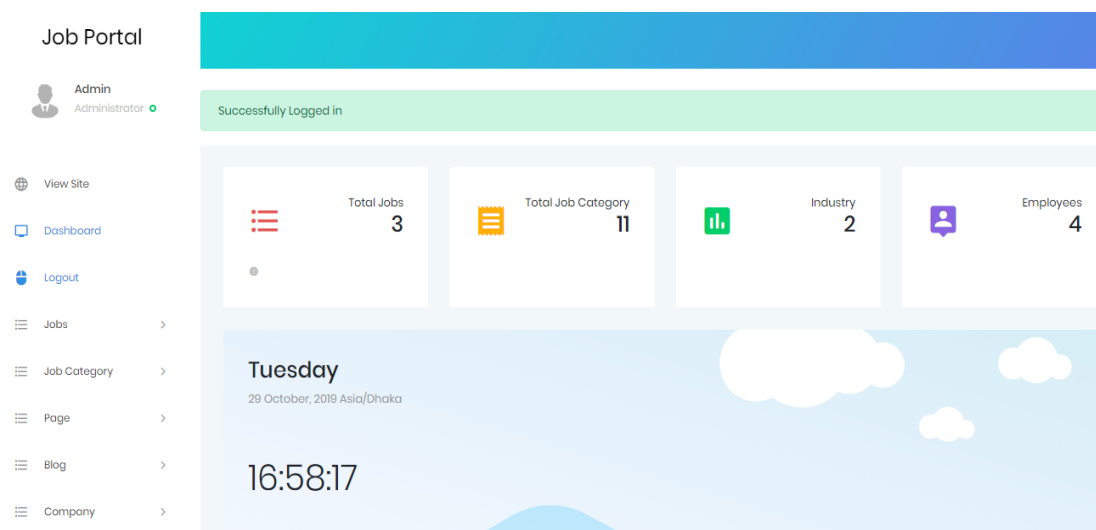


Figure 5.1: Admin dashboard.

Figure 5.1 is admin dashboard. Where admin can see Total Jobs, Total Job category, Registered company and employees.

When a job seeker registration themselves on our website his data are stored like figure 5.2 in our database.

Showing rows 0 - 4 (5 total. Query took 0.0009 seconds.)

SELECT * FROM `seeker`

Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Options	seeker_id	name	tagline	username	password	mobile	email	about_me	address	website	cv	image	last_update
Edit Copy Delete	1	Ariful Islam	Professional Web Developer	NULL	202cb962ac59075b964b07152d234b70	NULL	arif@gmail.com	Captain, why are we out here chasing comets? Maybe...	Dhaka	www.phpdark.com	NULL	NULL	2019-10-14 03:46:00
Edit Copy Delete	2	Jalal Ahmed Bhuiyan	Server Administrator	NULL	202cb962ac59075b964b07152d234b70	NULL	jalal@gmail.com	NULL	Ghatal, Tangail	www.facebook.com	NULL	NULL	2019-10-14 03:50:39
Edit Copy Delete	3	Kader Ahmed	Data Analyst	NULL	202cb962ac59075b964b07152d234b70	NULL	kader@gmail.com	NULL	Kader Alliance, Dhaka, Bangladesh	www.google.com	NULL	NULL	2019-10-14 03:51:20
Edit Copy Delete	4	Kamrul Islam	NULL	NULL	202cb962ac59075b964b07152d234b70	NULL	kamrul@gmail.com	NULL	Dhaka, Bangladesh	NULL	NULL	img7767828.png	2019-10-15 01:39:17
Edit Copy Delete	5	Khallur Rahman Borhan	NULL	NULL	202cb962ac59075b964b07152d234b70	NULL	khall@gmail.com	NULL	Dhaka, Bangladesh	NULL	NULL	img6266955.png	2019-10-15 03:10:59

Check all | With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations: [Print](#) [Copy to clipboard](#) [Export](#) [Display chart](#) [Create view](#)

Bookmark this SQL query: Label: Let every user access this bookmark [Bookmark this SQL query](#)

Figure 5.2: Job seeker database.

In this above figure 5.2 we see how job seeker data store in database. Here we see a unique id generate for user. In figure 5.3 we see company database.

Showing rows 0 - 2 (3 total. Query took 0.0007 seconds.)

SELECT * FROM `tbl_company`

Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Options	company_id	full_name	company_name	username	password	email	address	location	founded_on	total_employee	company_contact	com
Edit Copy Delete	102	Ariful Islam	Test Company	NULL	202cb962ac59075b964b07152d234b70	test@gmail.com	NULL	Dhaka	NULL	NULL	NULL	NULL
Edit Copy Delete	108	Azrul Haque	Delta Life Insurance	NULL	202cb962ac59075b964b07152d234b70	delta@gmail.com	NULL	Dhanmondi	NULL	NULL	NULL	NULL
Edit Copy Delete	109	Kamrul Islam	Kamrul Trading Co. Limited	NULL	202cb962ac59075b964b07152d234b70	kamrul@gmail.com	NULL	Bangra, Kalihati, Tangail	NULL	NULL	NULL	NULL

Check all | With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations: [Print](#) [Copy to clipboard](#) [Export](#) [Display chart](#) [Create view](#)

Bookmark this SQL query: Label: Let every user access this bookmark [Bookmark this SQL query](#)

Figure 5.3: Company database.

This was the overview of our database implementation.

5.2 Implementation of front-end Design

Only the front-end design is visible to user. User interact with front end so we tried our best to make this attractive and reliable to user. It also affectionate, user friendly & convenient to use. We already say that this website work as medium between job provider & seeker. So, in home page there is sign in or sign up option for both of them.

And there is a search option for job seeker in middle of page. Figure 5.4, 5.5, 5.6 and 5.7 briefly describe how is our home page.

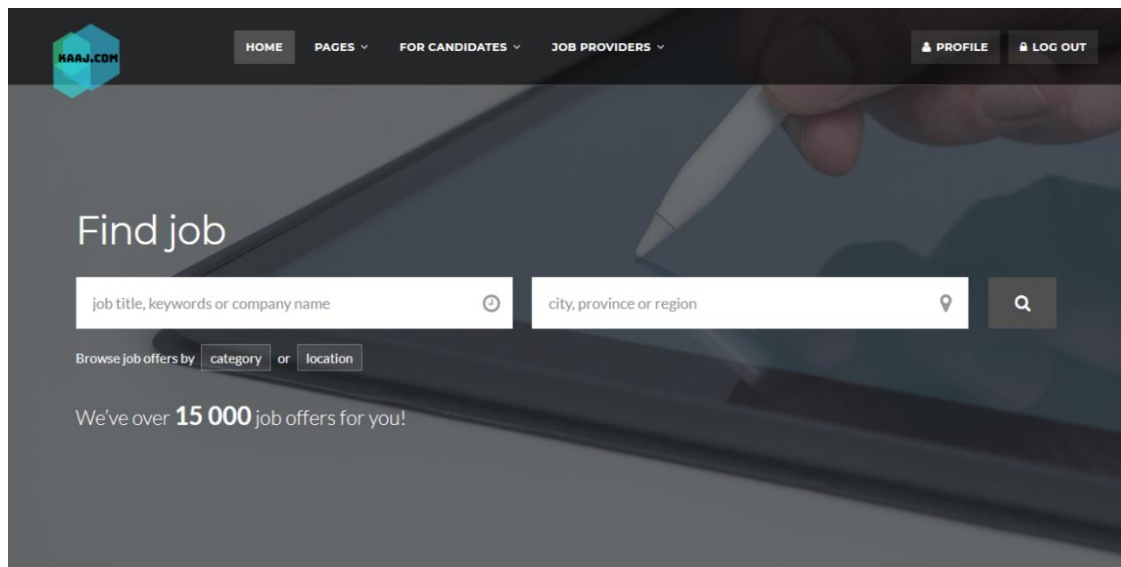


Figure 5.4: Home page

In Figure 5.5 shows home page. When user visit to our site they see this interface where they can registration, login, see profile, job post and search job.

If any user wants to apply for job or job provider post job they have to register first. In Signup option Job seeker have to register. In job provider option there is an option for register as a job provider. If they already registered, they have to sign in. If any user wants to apply job login and registration is mandatory. In login option both can login from here.

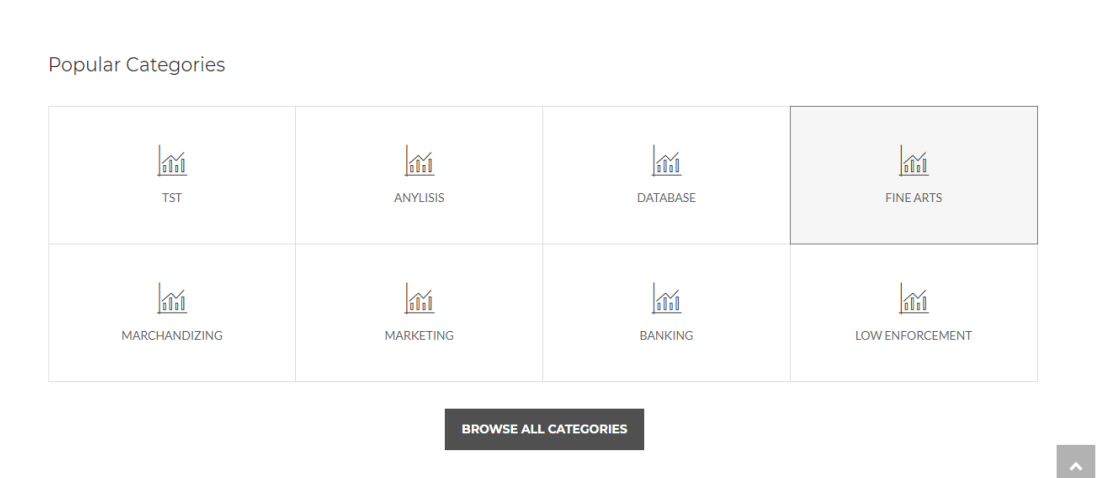


Figure: 5.5: Home Page Categories Section

In figure 5.5 shows that is a middle part of home page where user can see all popular categories.



Figure 5.6: Recent Jobs and Job Spotlight

In figure 5.6 shows is also a part of home page where user can see recent job that is posted by company and job spotlight.

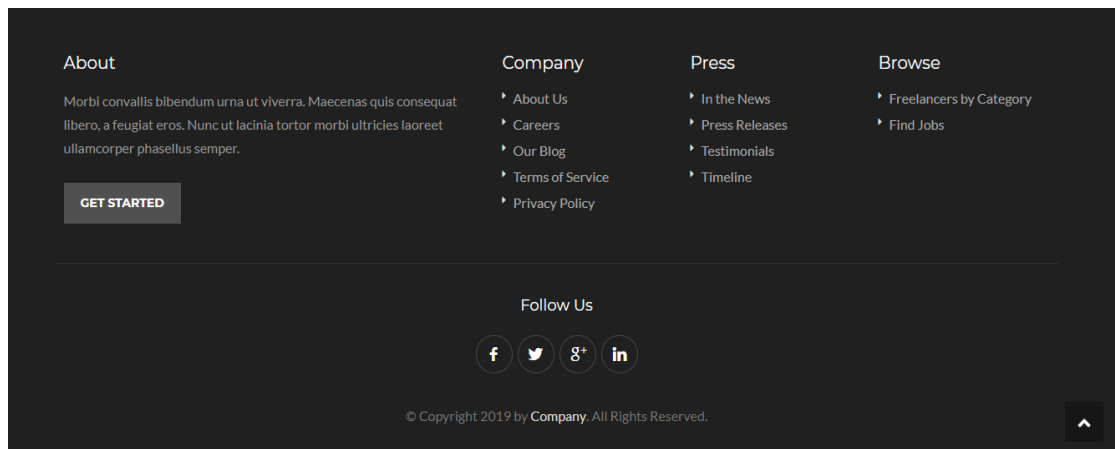
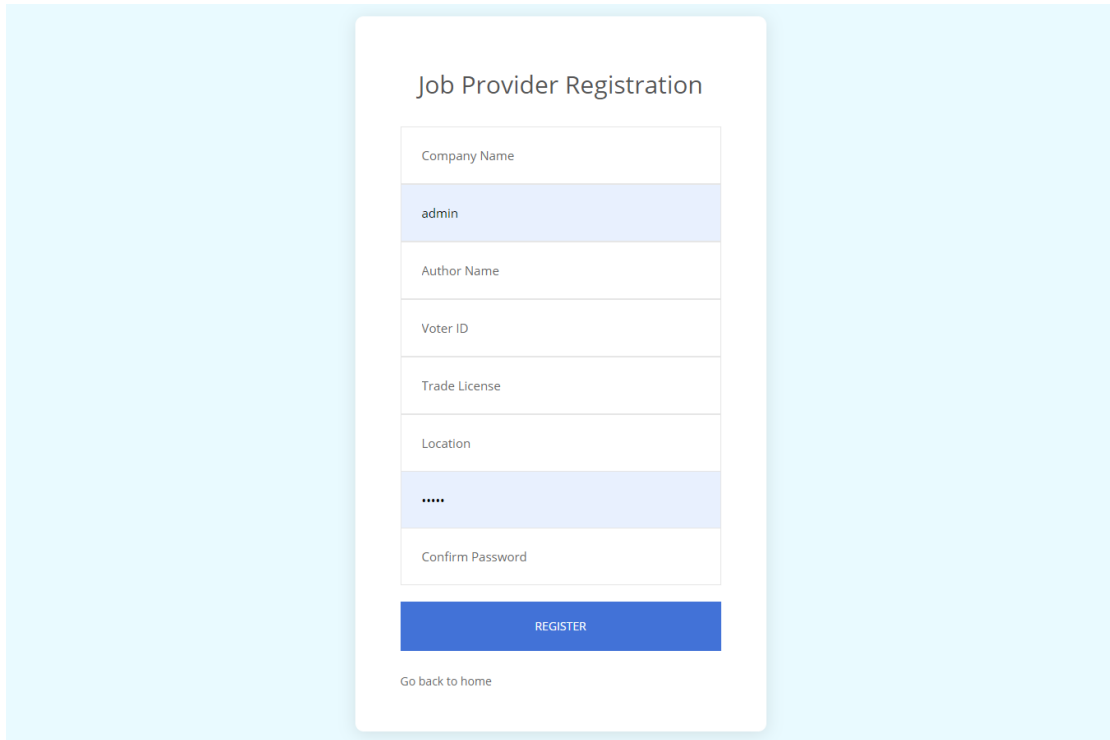


Figure 5.7: Footer Section of Home Page.

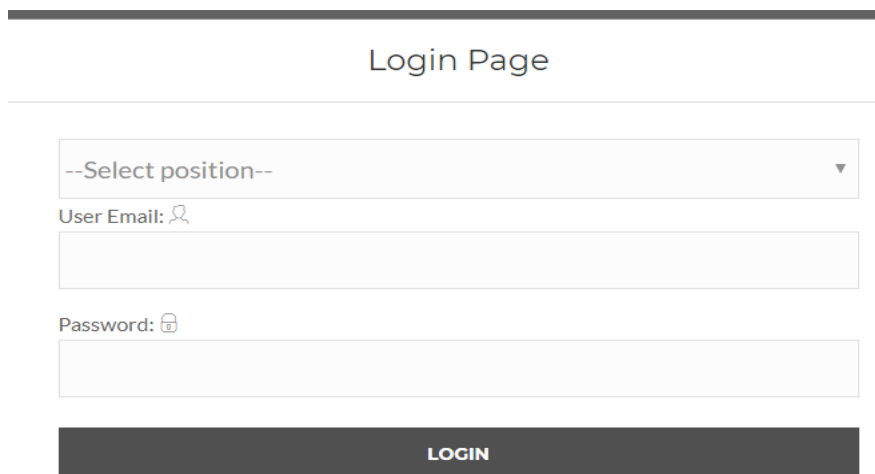
Figure 5.7 Shows the footer section of home page.



The image shows a 'Job Provider Registration' form. It consists of several input fields stacked vertically: 'Company Name' (with 'admin' entered), 'Author Name', 'Voter ID', 'Trade License', 'Location', a password field (with four dots), and 'Confirm Password'. Below the fields is a blue 'REGISTER' button and a link that says 'Go back to home'.

Figure: 5.8 Job Provider Registration

Figure 5.8 Shows how to register as job providers. To register as a job provider, they have to fill up the above form that are in figure 5.8. Where they have to provide their company name, E-mail, author name, voter ID number, Trade License number, location, password to registration.



The image shows a 'Login Page' form. It features a dropdown menu with the text '--Select position--' and a downward arrow. Below this are two input fields: 'User Email:' with an eye icon and 'Password:' with a lock icon. At the bottom is a dark grey button labeled 'LOGIN'.

Figure 5.9: Login Page

The figure 5.9 Shows how is our login page. From here job provider & job seeker both can login. For this first they have to select their position either they are job seeker or provider. Then they have to give email & password then they can login.

Seeker Registration Page

Name:

Voter ID:

Birthdate:

Gender:

Email:

Password:

Mobile:

Address:

Image: No file chosen

Figure 5.10: Job Seeker Registration

To register as job seeker, the seeker has to fill up the above form that are figure 5.10. Here user have to provide their name, voter id number, Birth date, Gender, email, password, mobile number, address & they have to provide their image. Then they can register as a job seeker.

+ Add Job

Please fill up all data correctly

Job Title

Location (optional)

e.g. London

Leave this blank if the location is not important

Job Type

Select Type

Category

Select Category

Job Salary

Salary

Job Tags (optional)

e.g. PHP, Social Media, Management

Comma separate tags, such as required skills or technologies, for this job.

Description

Application email / URL

Enter an email address or website URL

Closing Date (optional)

yyyy-mm-dd

Deadline for new applicants.

Tagline (optional)

Briefly describe your company

Logo (optional)

 **BROWSE** No file selected

File (optional)

 **BROWSE** No file selected


ADD JOB 

Figure 5.11: Add Job

Figure 5.11 shows add job by job provider company. By fill up this form job provider company will be able to add job.

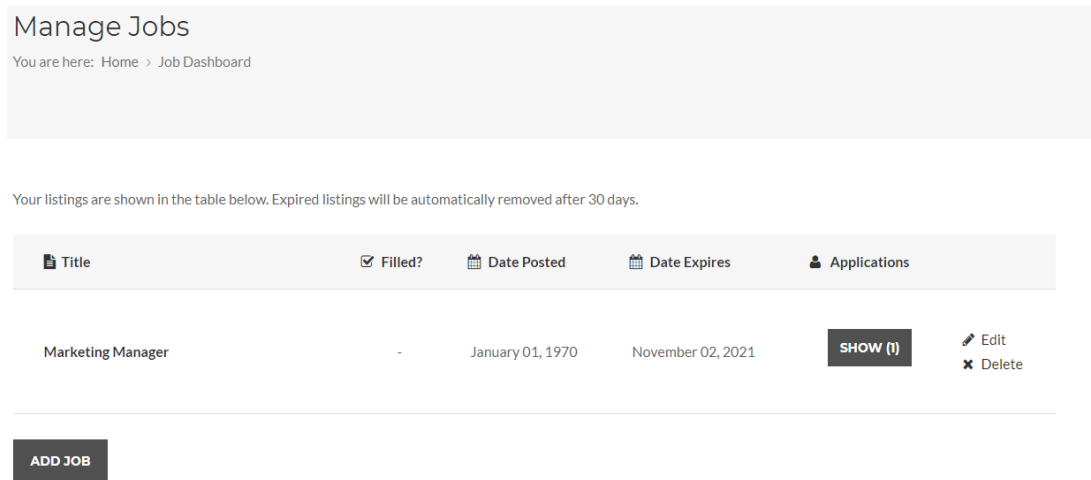
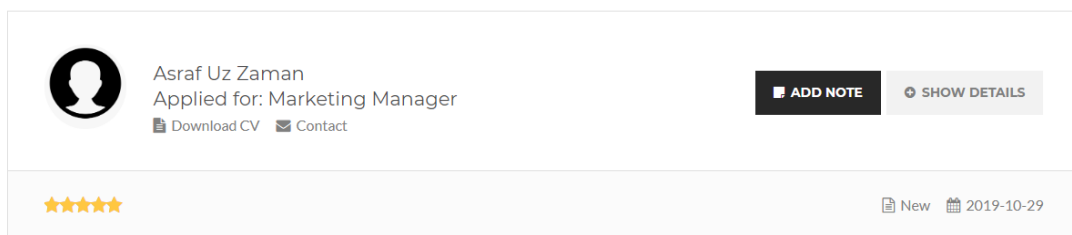


Figure 5.12: Manage Job

In figure 5.12 shows job provider can manage job post, edit job post and delete job post that is posted by them. They can also see how many applicants apply to the job and their application.

You are viewing applications of all jobs



1

Figure 5.13: Manage Application

In figure 5.13 shows, job provider company can see the applicant profile, cv and can contact. Job provider also can add a note on applicant profile for future use.

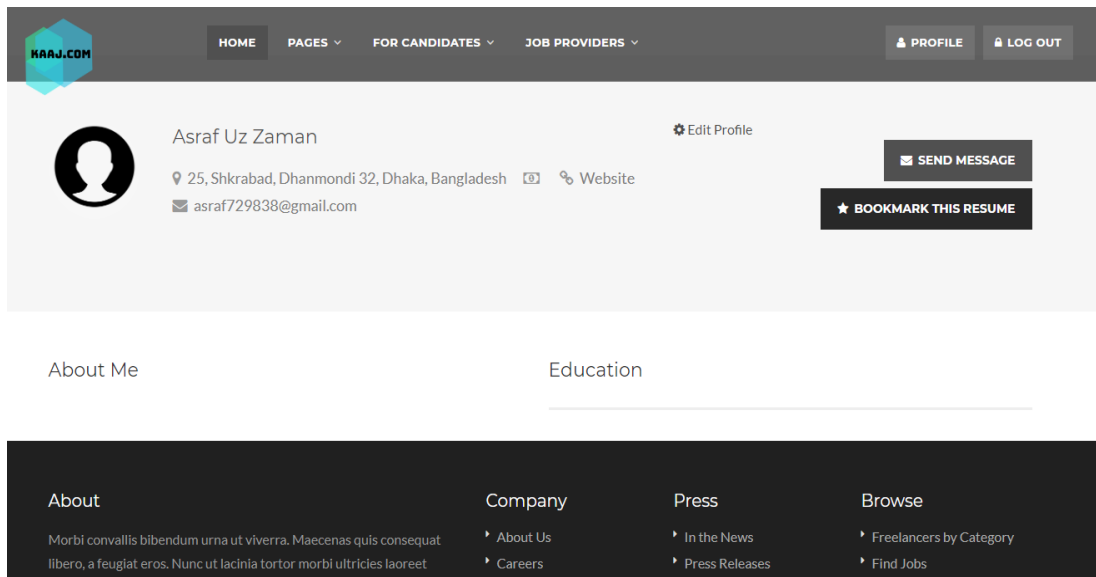


Figure 5.14: Job Seeker Profile

In figure 5.14 shows job seeker profile. They can edit their profile.

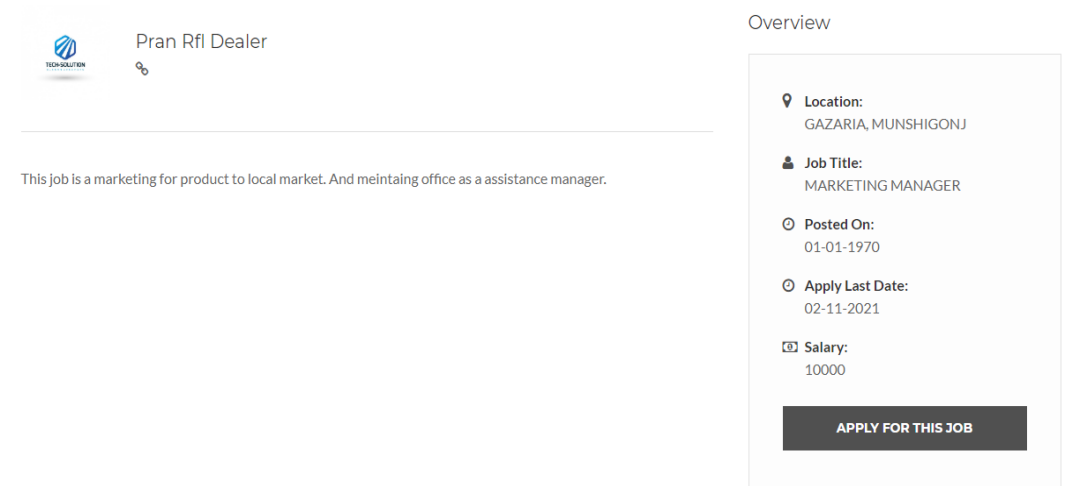


Figure 5.15: Job Details

Figure 5.15 shows job details that is provide by job provider company. Here they can apply by clicking apply for the job.

Asraf Uz Zaman

asraf729838@gmail.com

Your message / cover letter sent to the employer

Upload your CV (optional) Max. file size: 5MB

Choose File No file chosen

SEND APPLICATION

Figure 5.16: Application form

Figure 5.16 Shows application form for apply to the job. Here user have to give there, name, email, message to job provider and upload their cv. Then by clicking Send Application they can apply successfully.

5.3 Implementation of interaction

Our website is made to work as medium between job provider and job seeker. So, it's very important that it should be very interactive with user. we make our system very much interactive for both job provider & seeker. We implement better responsive UI in our system. Its gives better user experience to the users. We make our system easily usable that give better user experience to user. We implement easily understandable button, icon, form, menu bar, text, option. Within 10 seconds user can find out their needs.

So, our system successfully implements all features that can give better user interaction to user. And our web app is very much interactive to users.

5.4 Testing implementation

Our goal is making test case series that can find out logical errors. Our test case series is highly possibility of finding errors. These techniques provide systematic guidance for designing [10] :

1. Exercise the internal logics that are we used in this system
2. Exercise the input & output of the software to remove the error functions, perform, dealing & performance of the web app.

Table 5.1: Test Case. Following test case shows the test case has been done for several time to detects error.

Serial no	Test case id	Test case name	Test case description	step	Expected result	Actual result	Test case status (pass/fail)
1	Job seeker login	Validate login	To verify that password & email Should be correct	Enter invalid password and click sign in button	Login successful or an error message, Email and password should have matched”	Login failed & error message ” Email and password should have matched ”	pass
2	Job provider login	Validate login	To verify that password & email Should be correct	Enter valid password and click sign in button	Login successful or an error message, Email and password should have matched”	Login successful	pass
3	Admin login	Validate login	To verify that password & username	Enter valid password and click sign in button	Login successful or an error message, username and password should	Login successful	pass

			Should be correct		have matched”		
4	password	Validate password	To verify that password should be correct & when error message given” password is incorrect”	Enter invalid password	Login failed and error message, password is incorrect”	Login fail & no message	Fail
5	Registration form	Validate form	To verify that registration would not complete without providing mandatory data	Stay blank email option	Registration failed & an error message, email is required to complete the registration.	Registration failed & message, email is required to complete the registration”	pass

5.5 Test result and reports

The result of testing represents report of test case in a formal way. It describes is our project is ready to finalize or not. Through test cases we validate our system. When an error finds out through test cases, then we solve it. For example, in test case 4 there was error. Later we solve it. And now our project is 100% ok. And it passed all test cases. And now our project is ready. To test our software, we make a table where every column describes how step by step. These testing steps are adding to the test case ID, name, test case description, “step” where we write what we do for test the web app, expected result, actual result, and finally the test case passed or failed. Using these steps, we test our web app. Now our web app is 100% error free and our app is now 100% ready to use.

CHAPTER 6

CONCLUSION AND FUTURE SCOPE

6.1 Conclusion

Now-a-days finding perfect job is very tough job. Because in our country people believe that if you don't have any uncle and nephew there is no job for you. Because most of the people don't know for job where they have to go, what to do for job, what skill do you need. Through Our website people can find perfect job for themselves. And job provider did not need to hire uncles, nephew. They can hire skilled people from our website. Our website works as medium between job seeker & provider.

And finally, if job seeker & provider started using our web app, our project will be successful.

6.2 Future scope

We were wanted to add some features in our system but we can't implement these features due to some limitations. But the development of our project will not stop. We working in future for development of our project. We were wanted to add video conference features in our project but we can't due to resource limitation. Later we working on this future. In future we will add skill development course in our website. By this job seeker can develop his skills & prepare him for better job. Because more skills make man highly demandable in job market. We will add company license information and verification from government server and national id verification for security. We also develop an Android app, where smart phone users can easily use our project. These are the main features that we wanted to add in futures and a lot of features ideas we have that we can add in this project.

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APPENDIX

Appendix A: Project Reflection

We Started our journey from fall 2018 to implement this web application. We work to make this project user friendly. The main feature of our project is to job post for getting cv from job seeker and search job and apply to the job for job seeker. Security is a major issue for user. Our project provides best security for users. It is very easy to post job for job provider and search and apply for getting the job. In this time people are more likely to use computer and smartphone in their day-to-day life. This web app provides them a service in there day to day life. For implementing this application firstly, we make a model of or web app then we Implement our app step by step. After Passing a long journey and our hard work finally we able to reach our goal.

Our app provides service for both job provider and job seeker. It will reduce time, save money. Information that provides by both job provider and job seeker can be stored in a single database which helps to reduce data Redundancy. By using this app job seeker can easily apply for the job and job provider can post to the job.

Appendix B: Related Works

To implement our proposed application at first, we build a model of our app. We use some diagrams and use case model to analyze how we can implement our app. The first diagram we create the use case diagram. From the use case diagram, we can know about user of our app and what is their activity in the app. In our Job Portal app there is three user and that is the Job Provider Company, Job Seeker and the Admin Panel. We also use business process model which acts a flow chart. In this section we describe the activity of the user and how they interact with the system. We implement our application using web platform editor and MySQL Database.

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