

# REPORT FOR CSE 311 PROJECT PROJECT NAME : ONLINE JOB PORTAL

submitted by

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# Introduction

Bangladesh is a populous country. Bangladesh ranks seventh in the world in terms of population. According to the Department of Youth Development, about one third of this population or 53 million is the youth population. Although the country's GDP has increased over the years, with growing youth population, struggles continue for job seekers to find their desired jobs, resulting in the rise of unemployment. Among other reasons, one cause is the lack of knowledge about job availability, which is hindering employment opportunities. With job applications like LINKEDIN, UPWORK and SHEBAXYZ already there on the market, the problem to find the most desirable job opportunities still remains.

## ABOUT

Well Job Seeking web application will not only be more user friendly but the job seekers will find all different sorts of job listings under one umbrella. Starting from regular jobs which is educational based, part-time full-time and internships, to contractual jobs and even day-to-day jobs e.g. plumbing, delivery man etc our platform will connect with every type of job seeking individuals across the country.

## PURPOSE AND BENEFITS

Every organization, whether big or small, has challenges to overcome and managing the information of Vacancy, Job, Jobseeker, Call Later, Interview. Every Online Job Portal has different Job needs, therefore we design exclusive employee management systems that are adapted to your managerial requirements. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals. Also, for those busy executive who are always on the go, our systems will provide them with one click solution to choosing their best fit candidate for a particular job. One employee will simply search with the job name and see the job seeker's profile and if he likes the reviews select that person for a job. They can choose first that if they want employees that will work online jobs like freelancing, or offline jobs like plumbing.

## FEATURES AND ADVANTAGES:

Register Account- This use case denotes a set of actions required for Employer and Job seeker to register with the application.

Login- This use case denotes a set of actions required for Employer and Job seeker to login into the application.

Search - Employers can search for job seekers and choose among the best employees

Logout - Can Logout like any other platform

Make Profiles - both employer and employees will make profiles.

View - Employees can view a seeker's profile, reviews and his work experience as well as the minimum salary he is demanding and leave behind a review.

Notify: Seekers that get chosen will be alerted my messages.

Advantages include the easy mechanism of the website, anybody with minimum knowledge can use it. Rather than a lot of job seekers apply for a particular job now the employers are in control as they are the one choosing without having to post for go through other hassles. Time and efficiency is achieved. The salary argument is negligible as the salary is already mentioned in a job seekers profile. Through this website people can now stop worrying if some electrician, for example is going to take advantage of them and charge more money as they can search and choose according to their price range. The biggest advantage is that Employers would not have to go through several resumes/CVs to make a decision as a job seeker's profile itself will contain all necessary informations.

# USER STORY

## • USE CASE 1

Mr.X has moved into a new apartment in Dhaka and needs electricians plumbers and a local guide to give him a tour of this new country.

- He can easily make an account and then search for affordable electricians, plumbers, tour guides according to his choice by searching using the job name.

## • USE CASE 2

Biplop has graduated and is looking for a job but at the same time he want to keep earning.

- He can sign up into our website and provide all the necessary information about his skills and wait for various employers to reach out to him.

## LIMITATION

Only Job Providers can do the choosing

Job seekers cannot apply for a job

Posting is unavailable

Seekers may provide wrong or false information to get selected

# SOLUTION DESCRIPTION

- **Architecture**

The website is connected with the MySQL database and as soon as someone signs up or update or edit any information, it is stored in the database. Later on during searches the information stored in the MySQL tables are shown as views to the employers

## EXAMPLES OF OTHER JOB PORTALS

LINKEDIN

SHEBA XYZ

CHAKRI.COM

PROTHOM ALO JOBS

## FRONT END PLAN

1. Main page
2. Job Seeker Profile page
3. Job Provider Profile page
4. Admin Profile page
5. Sign up Page (same for all)
6. Sign in page (Same for all)
7. Online or Offline Choosing Page
8. Search Page

## **BACK END DEEOPMENT**

1. Account Creating
  - a. Sign up form
  - b. Login
  - c. Forgot Password
  - d. Verifying through database
2. Profile Management:
  - a. Job Seeker Profile
  - b. Job Provider Profile
3. Searching facility:
  - a. Job Seeker Search

## **TOOLS AND TECHNOLOGY**

MySQL

BOOTSTRAP

PHP

HTML

CSS

JAVA SCRIPT

# Hardware/Hosting Plan

Here is a list of possible cloud plans. We have to choose one that fits best and also economical.

Table 1: Cloud hosting plans

Cloud Provider	DC location	Latency (ms)	Starter description	Starter price (USD)	Mobile app ext. (with Redis)	Mobile app ext. price (USD)	Total expense (USD/mo)
AWS (Amazon Inc.)	Singapore	83	EC2- small, EBS, Transfer 20TB, 0.12\$/GB	\$16.84	0.022/hr for a cache.t2.micro, goes lower (\$0.009/hr) with 3 year term	\$15.84	\$32.68
Godaddy (Godaddy Inc.)	Singapore	80	1 GB memory, 1 core, 30GBSSD, 2TB Transfer	\$14.99	512 MB memory 1 CPU 20GB SSD 1TB transfer	\$5.00	\$19.99
Azure (Microsoft)	Chennai	110	1 core, 20 GB Disk, \$0.018/hr, 0.75GB memory	\$13.39	250MB, \$0.022/hr	\$16.37	\$29.76
Azure (Microsoft)	Singapore	88	1 core, 20 GB Disk, \$0.018/hr, 0.75GB memory	\$13.39	250MB, \$0.022/hr	\$16.37	\$29.76
GCP (Google Inc.)	Singapore	??	1 shared vCPU .6 GB memory 10 GB disk	\$4.28	0.6 GB memory, 10 GB disk	\$4.28	\$8.56



# Collaboration Plan

Table 2: Collaboration plan

Tasks	Schedule	YOURCOMPANYATOZ	XYZ
Host dev-site and develop	ongoing basis	y	
Build and release	every Thursday	y	
Run Build Verification Tests (BVT)	every Sunday morning	y	
Functional testing and reporting on JIRA	every Sunday morning	y	y
Full testing for QA check (Black box)	every alternate Sunday	y	y
Summary and discussion	every alternate Sunday	y	y
provide feedback on UI and functionality	as per need	y	y
use case testing	as per need	y	y
User data population (job, hr employer, candidates etc.)	as per need		y

# Project Schedule

Phase 1 will take a total of 6 weeks from the day of start.  
Calculated Man-month =  $8.5/3 = 2.83$ . Excluding front end development it will become

Table 3: Phase 1 Schedule

SL	Deliverable	Week					Man-week
		1	2	3	4	5	
1	Front end development*	-	-	-	-		2.5
2	Profile management		-	-	-		1.5
3	Account management			-	-	-	1.5
4	Search facility			-	-	-	2.0
5	Deployment and final release					-	1.0
	Total duration	1.5	2.5	2.5	1.5	0.5	8.5

# Budgetary Price

Excluding front end development (2.5 man-week) total time plan = 6 weeks. Following table shows Job Portal expense. In addition, based on requirement as it reveals during project Job Portal will help one choose the appropriate cloud hosting. That expense is not included here.

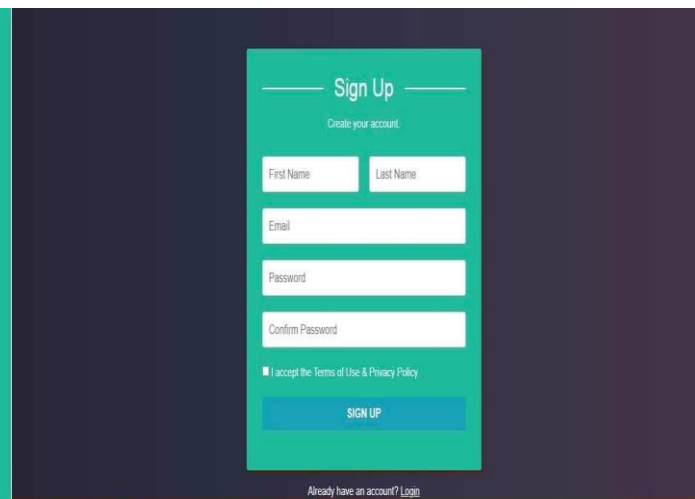
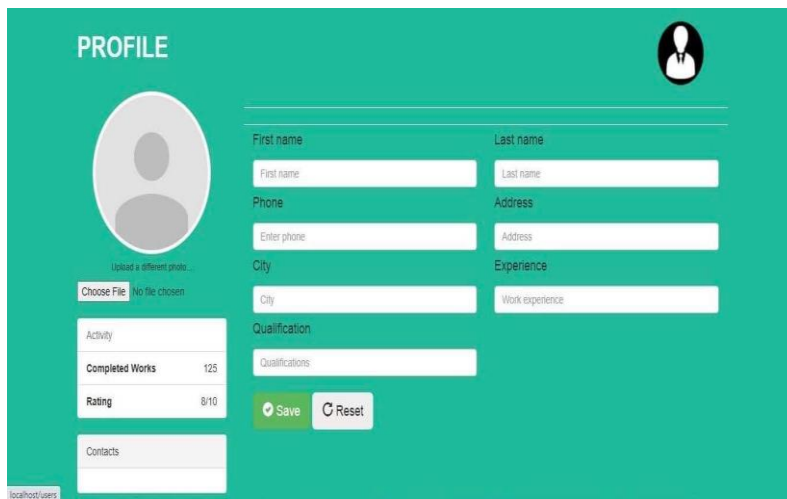
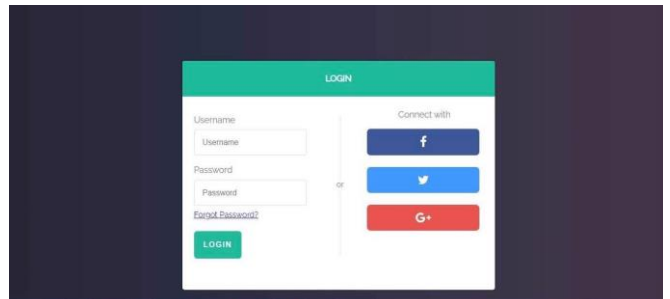
Table 4: Expense Breakup for Development

SL	Deliverable	Expense	Comment
1	UI design	xxxxx	
2	Front end development (HTML)	xxxxx	
3	back-end development	xxxxx	
4	Database design (MySQL)	xxxxx	
6	Setting up middleware	xxxxx	
7	UI integration ( HTML clean up and optimization)	xxxxx	
	Total	xxxxx	

Note: Price is excluding of any Tax, VAT and other levies.

# Some Screenshots of the project

Homepage, LogIn page, Signup page and profile page



# Conclusion

The job seeking portal that we created is a technological tool used to create a healthy easy communication between people looking for jobs and people trying to hire employees. This platform allows job seekers to sign up and put up their information so that the job providers can choose them. At the same time seekers may edit their profile however they want to.

In this world of new technologies one should be able to do things easily and from anywhere, and looking for a employee or a job is nothing different. our main objective of this project was to make their lives easier.

## APPENDIX

### CONTACT INFORMATION

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