Shadheen - Online Employment Exchangement Portal

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System Analysis and Design Lab Report

(Group-5)

CSI-312 Sec-B

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Department of Computer Science and Engineering
United International University

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1. Introduction

1.1 Project Overview

Shadheen is a job portal site where users can create an account as a job recruiter or a job seeker. Job seekers can create their portfolio by providing their details. They can see available jobs on their homepage. They will see a search box where they can search their desired job by giving job title, salary & location. They can apply for these jobs. Employers will get notified when there is a new application. Employers can view applicants for a particular job they have already posted. They can post new jobs on our sites after they have subscribed. They can boost their post to show them on top of job seeker's Job Feed. Also, they can search portfolios after giving a specific skill.

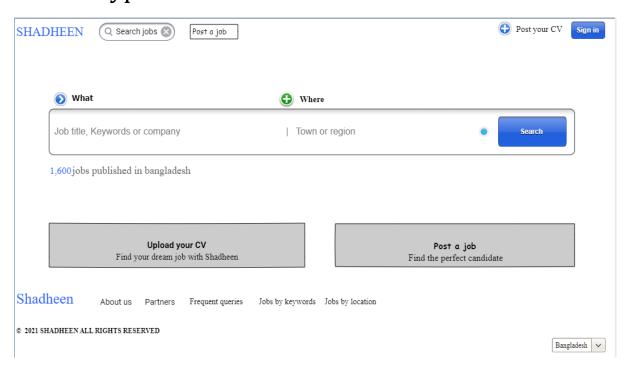
1.2 Motivation

- Can search with a rich filter to find the perfect job
- Can create CV & Recruiter can view CV
- Apply & hire easily
- Flexible payment system
- Communication between members

1.3 Objectives

- Common benefit for both job seeker & recruiter
- To save time & money
- Easy to use

2. Prototype



3. SWOT Analysis

SWOT Analysis

Strengths

- → We have financial capability to stand up with our project.
- → We are the only job site which features part time jobs, research jobs, and full time jobs.
- → We have ensured security and strong infrastructure.

Opportunities

- → We have some rare features like Create CV, CV Search, Company Review, Boost Job Post.
- → We have investors to grow our product.
- → We can manage technical support to implement a feature in a short time.

Weaknesses

- → No documentation of previous similar projects.
- → We don't have business experts to work on this project.
- → We don't have enough financial backup to continue if we don't make revenue.
- → We can't promote our website for so long.

Threats

- → We have a lot of competitors.
- → People can take our service if they are inside our country.
- → We didn't integrate social networking features.
- → We didn't implement the Job suggestion feature.

Strategy

Our product will be useful for unemployed people and employers who want to offer and get a job conveniently and at a flexible cost. Also our product features specialized jobs, part time jobs and full time jobs. If we can get a large user base we will improve our product & implement features at such a level we can catch the international market.

4. Benchmark Analysis

4.1 Benchmark Websites

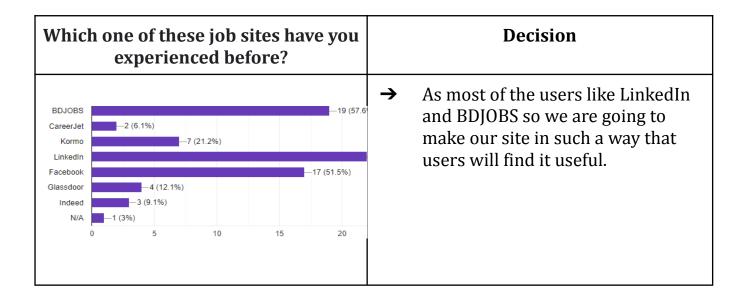
- Careerjet
- Bdjobs
- Fiverr
- BDjobsToday
- LinkedIn
- Facebook

4.2 Benchmark Chart

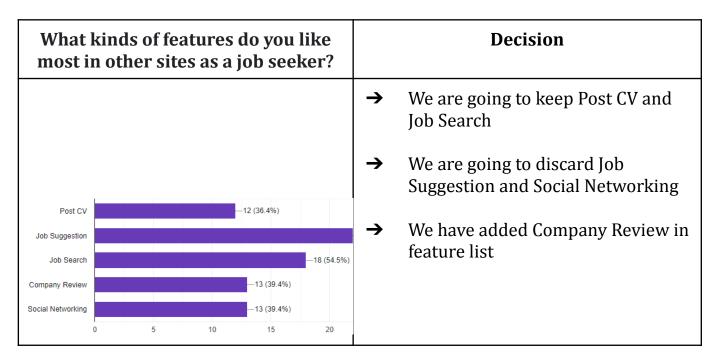
Features	Careerjet	BDJOBS	Fiverr	BDJobsToday	LinkedIn	Facebook	Shadheen
Search Job	Y	Y	N	Y	Y	Y	Y
Search by Location	Y	Y	N	Y	Y	N	Y
Search CV	Y	N	Y	N	Y	N	Y
Create CV	Y	Y	Y	Y	Y	N	Y
Post Job	Y	N	Y	Y	Y	Y	Y
Easy Apply	Y	Y	Y	Y	Y	N	Y
Message	N	Y	Y	N	Y	Y	Y
Notification	Y	N	Y	Y	Y	N	Y
Job Feed	Y	Y	Y	Y	Y	Y	Y
Suggest Job	N	Y	Y	N	N	N	N
Payment	Y	Y	Y	Y	Y	N	Y
User Profile	Y	Y	Y	Y	Y	N	Y

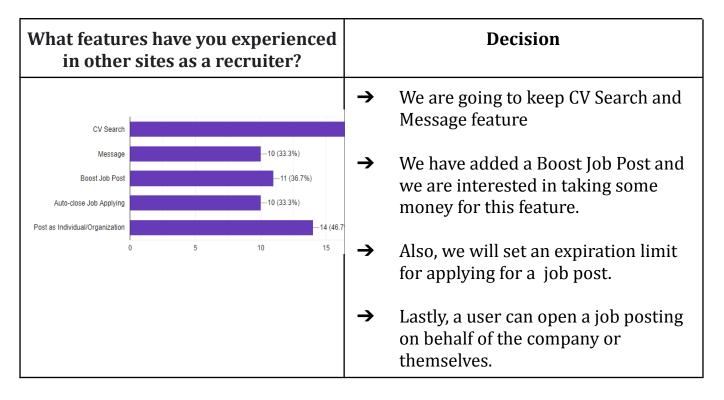
5. Feasibility Analysis

Ques-1

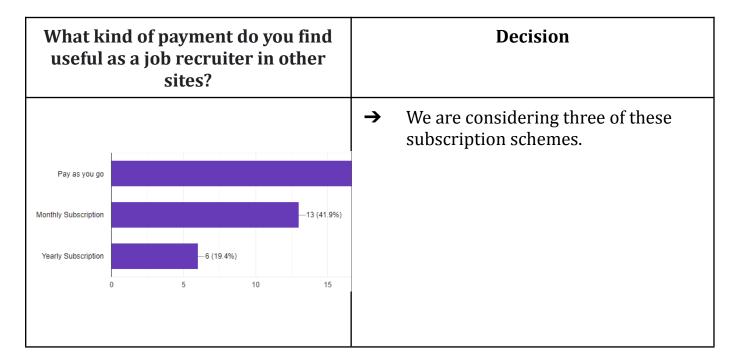


Ques-2

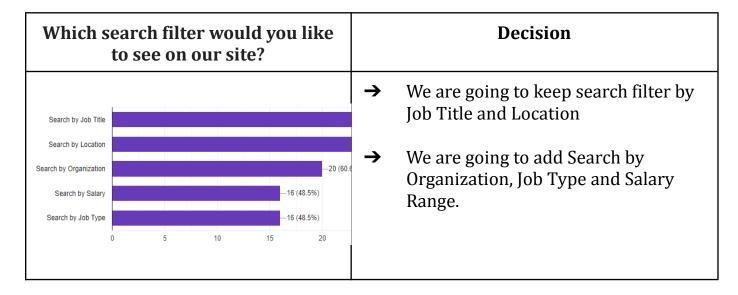




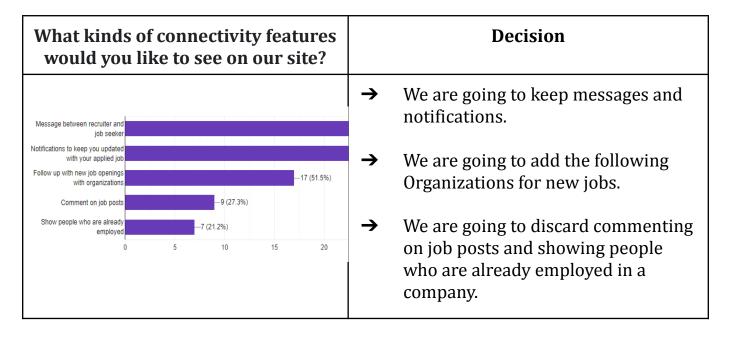
Ques-4



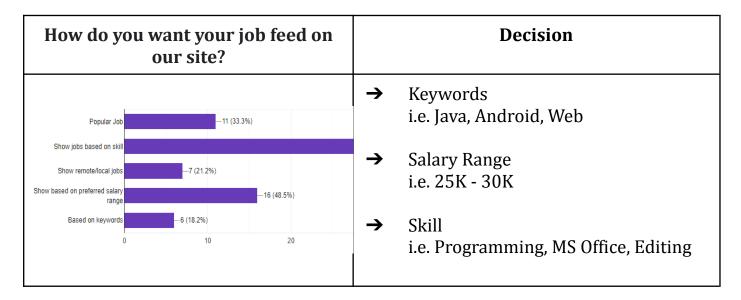
Did you find any of this lacking in other sites?	Decision
Special Skilled Jobs —9 (27.3%)	→ A recruiter must mention salary range
Salary Range Not Specified Non-native Language —5 (15.2%) Applying without Sign-in —7 (21.2%) Part Time Job / Research Jobs —14 (42.4%)	→ Job seeker can apply for special skilled jobs
	→ Also we will have part time and research jobs



Ques-7

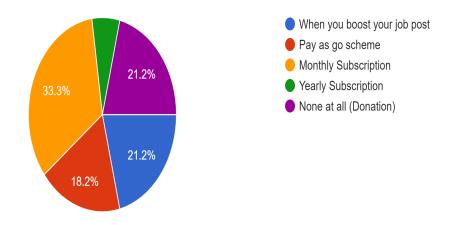


Ques-8



How do you like to pay us?

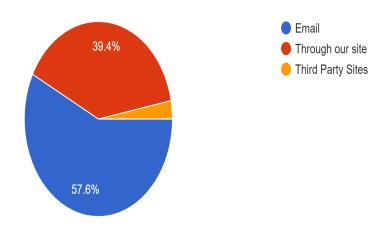
33 responses



• Ques-10

How do you prefer to apply on a job?

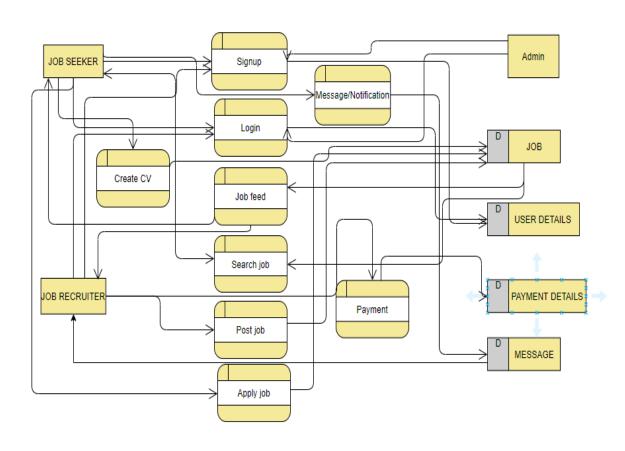
33 responses



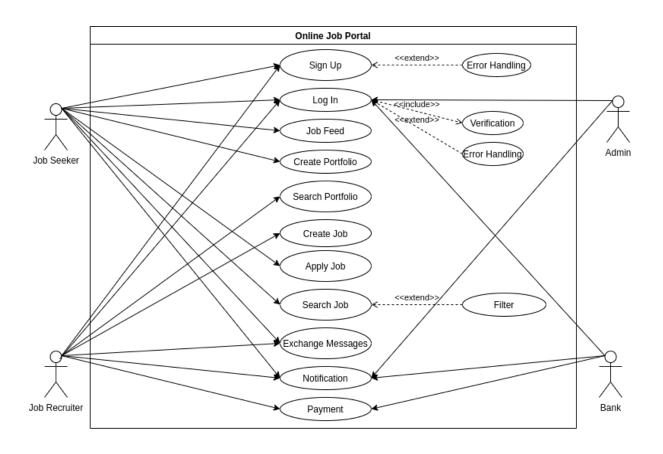
Justification: We have set 10 Questions, from the above table we can see that almost all our features got a positive response. So we have decided to include all the features. Our survey participants also requested some other features like Job Suggestion, Social Networking features as we don't have the experience to implement such features. Additionally, from user feedback we are going to implement a boost job post, auto close job post.

6. UML Diagrams

6.1 Data Flow Diagram



6.3 Use Case Diagram



6.3 Job Feed Descriptive Form

Primary Actor: Job Seeker

Stakeholders and Interests:

Job Seeker:

As Job Feed will update for a job seeker with popular jobs, skill, location, salary range, favorite keyword and company they follow.

• Job Recruiter:

New jobs posted by Job Recruiter will be shown to the Job Feed.

• Admin Panel:

Admins can remove spam job posts to keep job feed clean.

Pre Condition:

- Users must have prior an account to see their job feed.
- There must be at least some jobs to show on the job feed.
- Job post must have details about the job.
- As well as, job seekers have to give their details.

Post Condition:

• Everything will remain the same unless another feature overwrites the database.

Main Success Scenario

- 1. Job seeker will get notified if there is new messages or notification
- 2. Job seeker can see their job feed
- 3. Job seeker can navigate through available jobs
- 4. Job seeker can view any job by clicking the job title
- 5. Job seeker can apply the job

Alternative Scenario

*a. The system may not respond

Solution: Wait for the system to respond

1a. Job seeker may not get notified

Solution: Contact with system admin

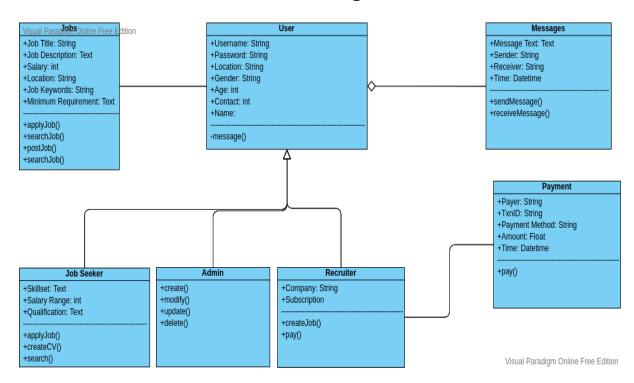
2a. Job seeker my not see posts in job feed Solution: Update your profile information **3a.** Job seeker can't view by clicking job title

Solution: Refresh the browser

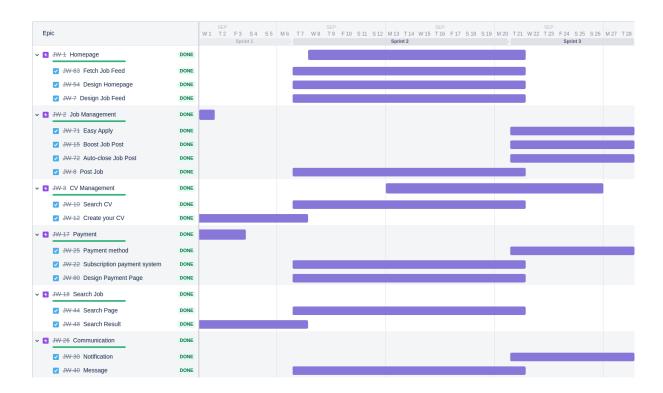
Issues

1. Job seeker preferences are not common in our database, Then errors will be shown.

6.4 Class Diagram

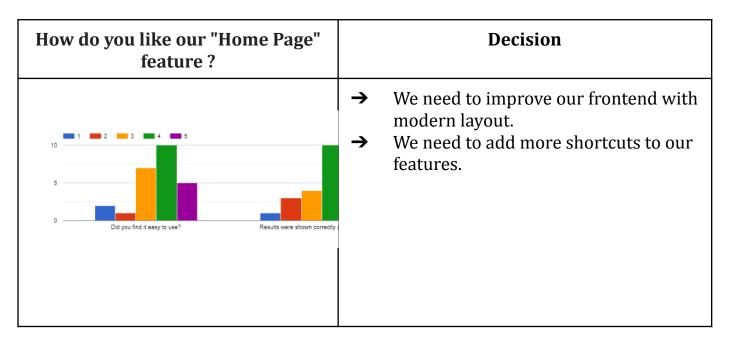


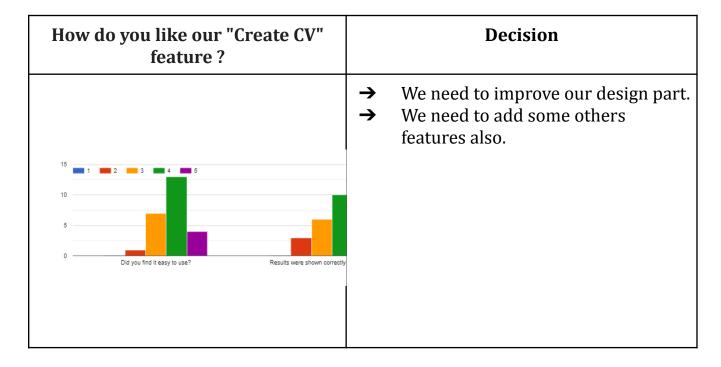
7. Gantt Chart

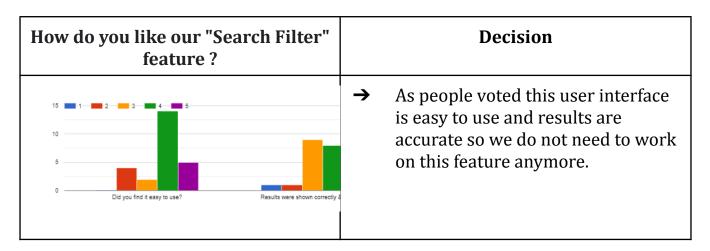


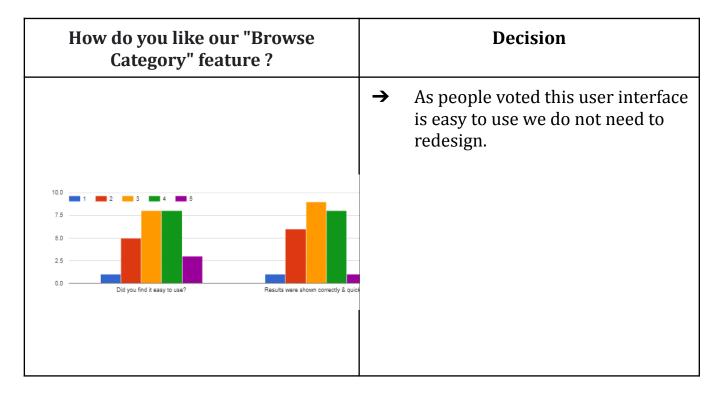
8. UI & UX Survey

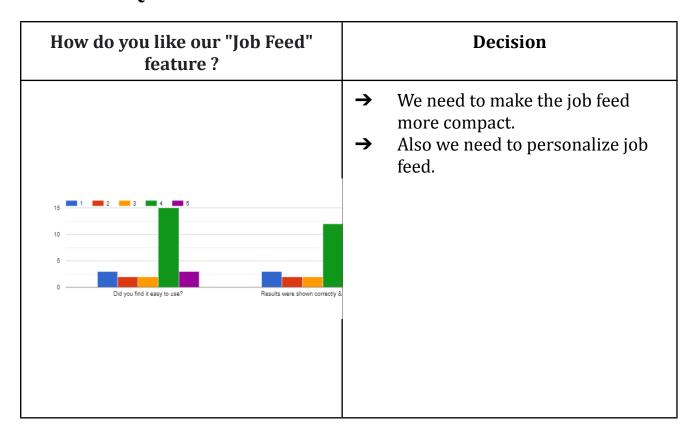
• Ques-1

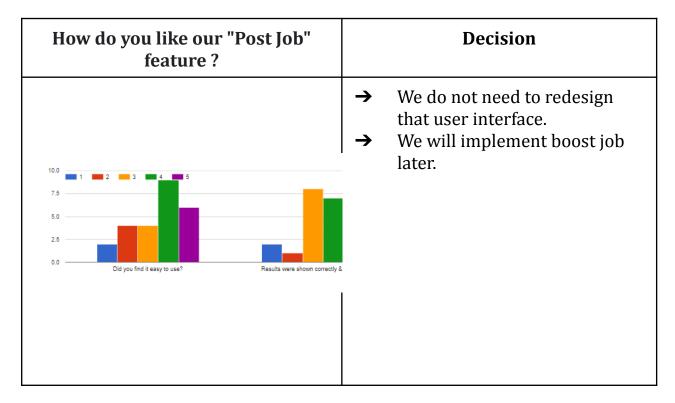


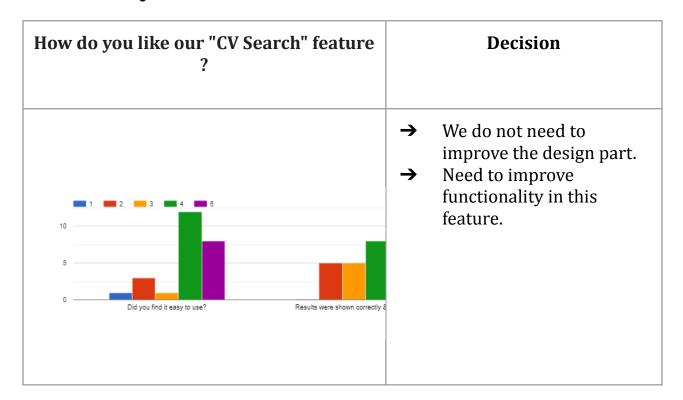


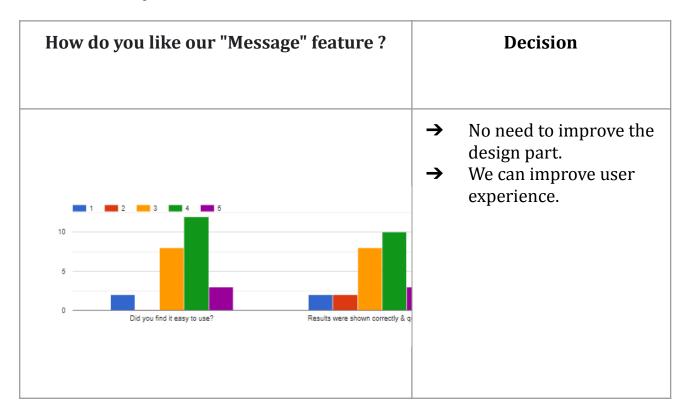


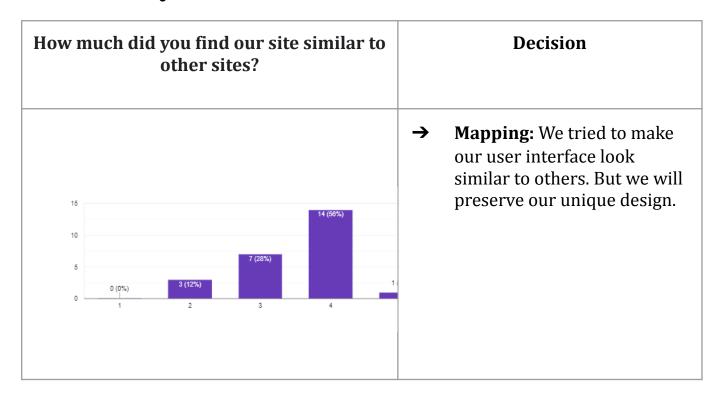


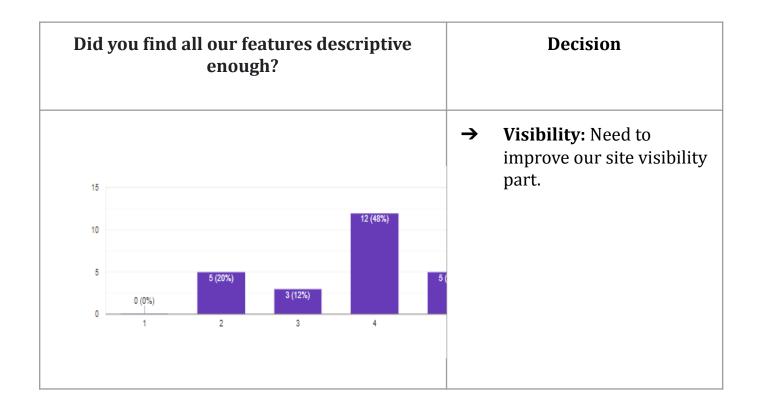


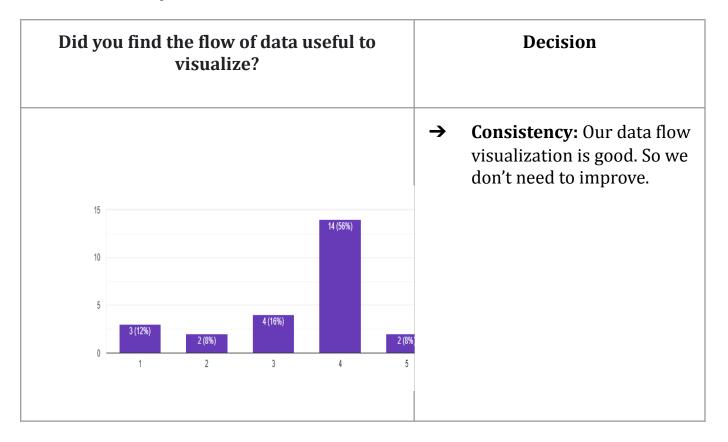


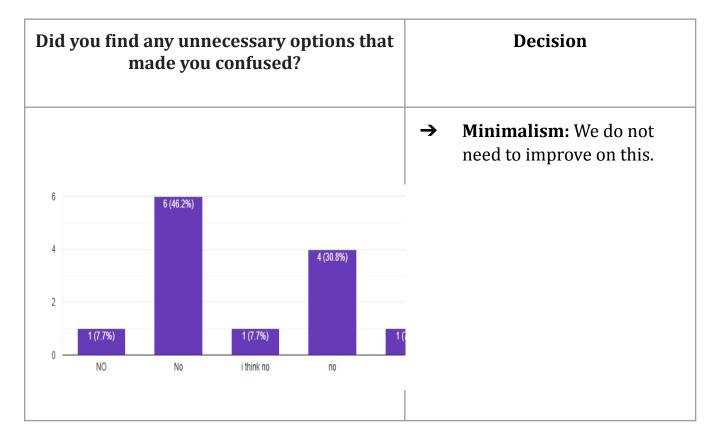






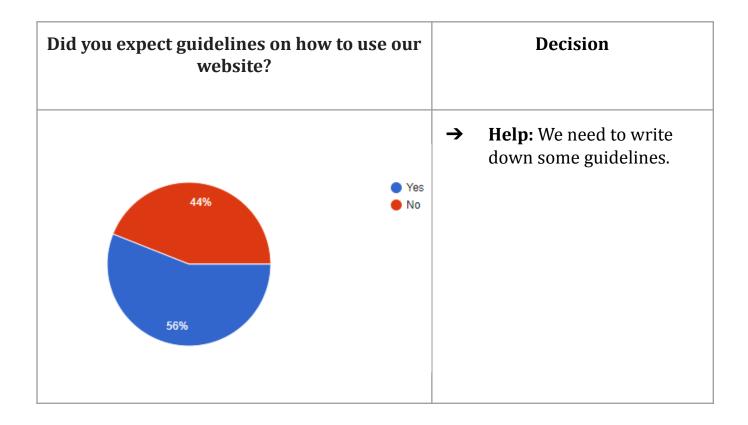






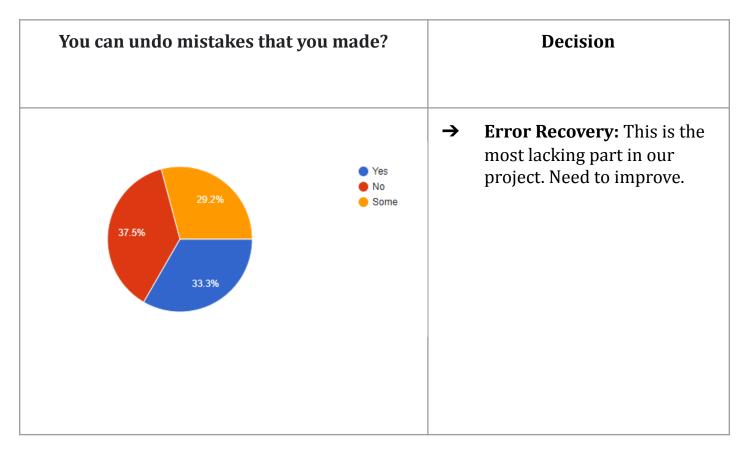
• Ques-13

Do you find all the features handy when you need them?		Decision	
16%	• Yes • No	→	Recognition: We need to improve on the shortcuts part.

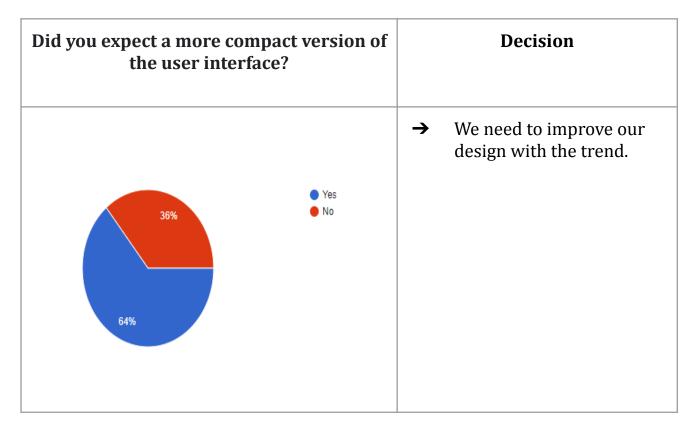


• Ques-15

Did you find inconsistency in the pages on our website?	Decision
24% • Yes • No • Some	→ Consistency: We need to redesign some of our pages to look more alike.

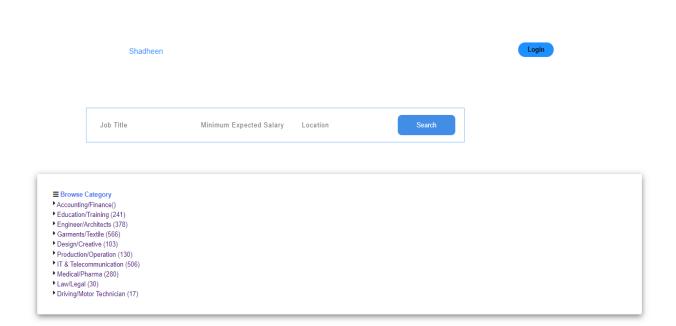


You were warned about errors that should be notified?	Decision	
24% No warning message	→ Error prevention: We need to be careful about waring part.	



9. Screenshots of The Project

Mainpage



• Job Seeker Homepage

Create CV Log Out Shadheen

SPONSERED

• Financial Control Manager(Lead Manager)

Chittagong

The financial controller (FC) is a pivotal and senior role within an accounting function. They oversee the accounting function of a company, ensuring that accounting records are kept appropriately and that reported results comply with accounting standards and relevant legislation

Deadline: 2021-10-27

SPONSERED

• Java Software Developer







• Apply Job

Shadheen

Log In

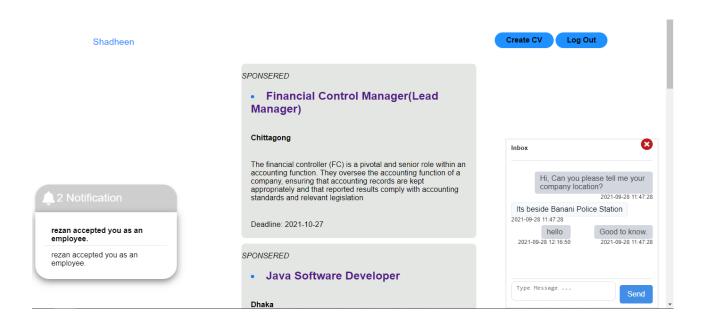
Financial Control Manager(Lead

Financial Control Manager(Lead Manager)

Accounting
Location: Chittagong
Description: The financial controller (FC) is a pivotal and senior role within an accounting function. They oversee the accounting function of a company, ensuring that accounting records are kept appropriately and that reported results comply with accounting standards and relevant legislation
Salary: 40000
Posted on: 1

Appy for this job

• Message & Notification



• Create CV

Username
ари
Employment History
Employment History
/.
Education
Education
Figure 1
Skill skill
Language
Language
Certificates
Certificates
Award
Award
Link
link
Volunterring
Volunterring
Interest
Interest
Reference
Reference
Submit

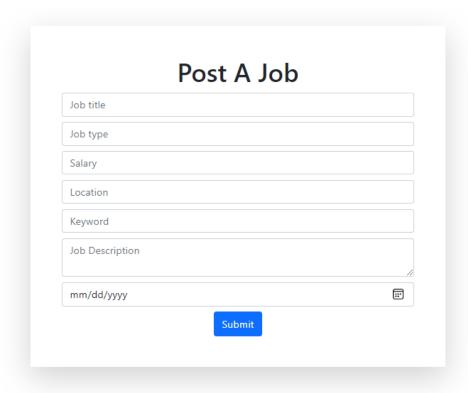
• Recruiter Homepage

SHADHEEN

YOUR NEXT HIRE IS HERE



Post Job

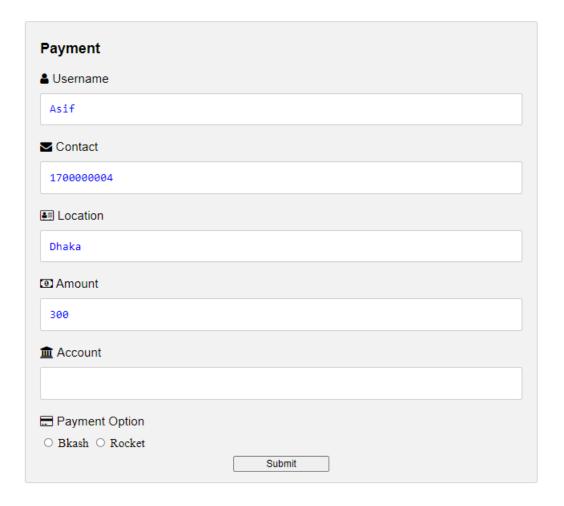


Boost Job Post

Your jobs post is here!

Financial Control Manager (Lead Manager) The financial controller (FC) is a pivotal and senior role within an accounting function. They oversee the accounting function of a company, ensuring that accounting records are kept appropriately and that reported results comply with accounting standards and relevant legislation **Boosted** Java Software Developer Contribute to all aspects of the product development process specification and design, throughout integration, release, Participate in the decision making process regarding the software customization and support of the array of software engineering tools the engineering group: i.e. version control, change management, know repository, JAVA, UML modeling, etc. Create quality source code, document code and procedures throughout prescribed by the engineering standards. Cross review the quality of co-workers' design and implementation. Lead, coach software Developer and review the quality of their design implementation. Assist leader to communicate with customer if any. Report to leader and line manager

• Subscription Page



• CV Search

Shadheen

Log In

Username	Education	Skill	Reference
sabbir	B.Sc in CSE (2018-2022)	JavaScript, PHP, SQL	Md. Nurul Haque

• View Applicant

Shadheen Log In



Show Applicant Details

Username apu **Employment History** Α Education В Skill C Language D Certificates E Award Link G Volunterring Н

10. Future Update

- → Upload CV
- → Company Review
- → Follow Companies
- → Buy Boost Job Post Token
- → Reactive Frontend