



Daffodil
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A Project Report On
Freelancing Platform with Q&A

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This Project report has been submitted in fulfillment of the requirements for the Degree of
Bachelor of Science in Software Engineering.

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APPROVAL

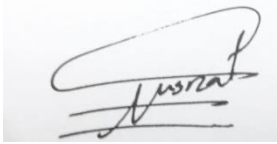
This project titled on “Freelancing Platform With Q&A”, submitted by Rakib Mahbub Khan, ID: 173-35-2263 to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

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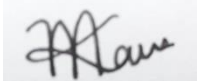
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DECLARATION

I hereby declare that I have done this project under the supervision of **Khalid Been Badruzzaman Biplob**, Senior Lecturer, Department of Software Engineering, Daffodil International University. I also declare that this project or any part of this is unique and has not been submitted elsewhere for the award of any degree.

Submitted By:



Rakib Mahub Khan

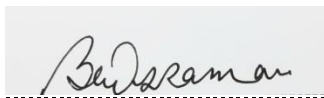
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ABSTRACT

Freelancing has become a significant career option today. Not just among adult, people at their old-age, the young students too have started pursuing their career in the field of freelancing. With the rise in the scope of freelancing, the industry is seen growing vastly. The question here arises about what has led to such a massive change? How and why can we say that the future of work lies in freelancing? Here are some viewpoints that prove that freelancing is the future of work!

The youth may engage on a full-time basis for a job. But the new generation people have grown with their smartphones at all time. They have a desperate craving for novelty, connection and immediacy. The expectations of these millennials are so high that they will not like working at a company for a decade and waiting for a decent hike. While they think for their career, they expect much more than their experience. They hold a frustration of slow success. An added reason to why this flexibility exists is the ease of getting a freelancing task. All they need to do is search online, and they will be able to see many freelance jobs posted on several platforms. They end up connecting with the ultimate customer evading the middlemen and earning huge.

Freelancing allows a person to earn as much as they want. Their earnings are entirely based on the time they invest and the output they produce. Unlike a regular job, it is not constant no matter how much more or less they work. Thus, more the efforts you put in, more would be the earnings.

So this project will help all the youth people to get the job which they're skilled for and gain as much as they provide their services and also they person who needs the service, he/she will be benefited too by choosing the perfect candidate for their need.

Also, if any user faces any difficulties during work or any time, the can get help by the other users in Q&A section.

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CHAPTER 1

INTRODUCTION

1.1 Project Overview

The unemployment problem is one of the greatest problems of our country. At present a large part of the active educated and skilled people in our country are unemployed. In other words, there are fewer jobs and facilities for work than there are people who can work and are ready to work. As a result, many people are unemployed and have to live in utter poverty.

So, my project is designed for those unemployed people to show their skills and provide their services to the other users.

JOBKOI is the open-source platform that will help our youths to gain the achievements that they are skilled for. This platform is also a big support for the knowledge gainers who stuck in a middle of work and couldn't get any supports to complete their tasks. This will work for each buyer, seller and the fresh new commers.

This system will work as a medium for the service provider and the consumer. The consumer will post the services he/she wants and the service provider will serve the service. They will contact each other by private chat/email/phone. The both users can also be a part of the Q&A section, where they can ask anything and other users can answer those questions.

1.2 Project Purpose

JOBKOI will help each and every of its users to make them safe and work remotely from their home. Because we know, the novel corona virus has globally created a big economical problem for every small or big businesses. So that the small countries are running towards to a great disaster.

The spread of the COVID-19 pandemic, the partial lockdown, the disease intensity, weak governance in the healthcare system, insufficient medical facilities, unawareness, and the sharing of misinformation in the mass media has led to people experiencing fear and anxiety. The present study intended to conduct a perception-based analysis to get an idea of people's psychosocial and socio-economic crisis, and the possible environmental crisis, amidst the COVID-19 pandemic in Bangladesh.

Users also can ask or answer, vote and mark as favorite any kind of questions from the “Ask a question” area. The best solution will be mark as a best answer.

So, by using this platform, people of this country would be beneficial and earn a lot of international currency from home by keeping them safe during this pandemic.

1.2.1 Background

The term “freelance” dates back to the 1800s when a “freelance” referred to a medieval mercenary who would fight for whichever nation or person paid them the most. The term “lance” referred to the long weapon that knights on horseback used to knock opponents off of their horses (think jousting). Over time, the term continued to mean “independent” but left the battlefield to be applied to politics and finally work of any kind.

Freelancing provides a lot of flexibility and control to the individual. Most freelancers choose their own hours, the work that they do, the clients they work with, and may even be able to work remotely.

Freelancing is also a form of entrepreneurship, which means the freelancer has total control of their earning potential. Freelancers aren't locked into a salary, and so they can earn as much as they are able to bill to their clients.

Freelancing provides a lot of variety in the type of work you can do, too. If you are someone with a lot of interests and are drawn to trying new things, freelancing can help you explore all kinds of projects and industries.

Historically, freelancing isn't something people typically do forever. They either hire other freelancers or employees to build a full agency, they build their own products to replace their freelance income, or they go back to working full time.

Freelancing provides the flexibility many people want in order to figure out their next career move.

1.2.2 Benefits & Beneficiaries

1. Freedom Of Work.
2. Boost up Your Skill Set.
3. Various Sources of Income.
4. Financial Development.
5. The permanent WFH Life.
6. Global Exposure.
7. Communication with international clients.
8. Production of Brilliant Quality Projects.
9. Improve your interpersonal skills.
10. Get solution for any kind of questions from the experts.
11. Competition for sharing knowledge

1.3 Stakeholders

According to project management, project stakeholders “a person, group or organization will be influenced or affected by in a decision, activity or outcome of the project.”

This project will have two stakeholders:

- Buyer
- Seller

Buyer will post a job and seller will send a proposal to the buyers post and after having a conversation the buyer will award the job to the seller.

1.3.1 Buyer

Buyer Will normally post a job and find the perfect candidate and award the job to the seller. Buyer also can ask or answer, vote and mark as favorite any kind of questions form the “Ask a question” area.

1.3.2 Seller

Seller will search for the jobs form the “Browse jobs” area make a cover letter, bargain and send proposal to the job post. Sellers can also can ask or answer any kind of questions form the “Ask a question area”

1.4 Proposed System Model

I designed this model to visualize and control the system’s architecture.

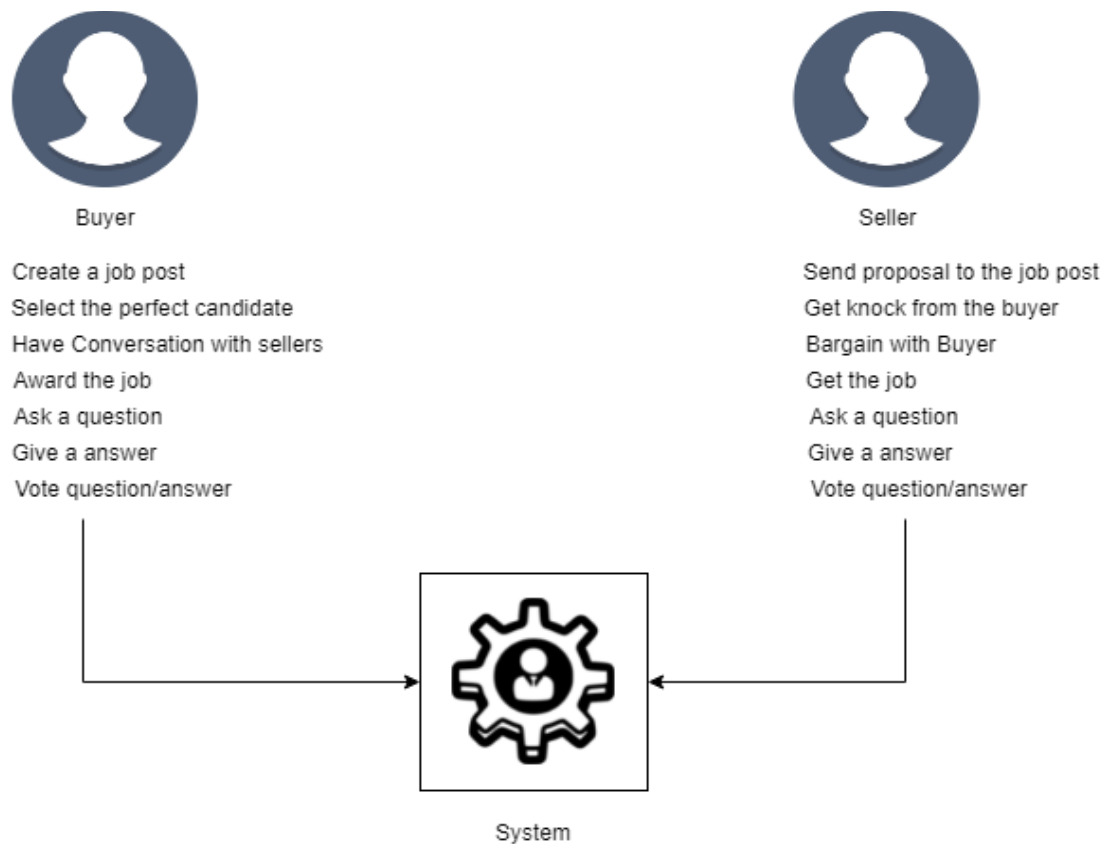


Figure 1.4: Proposed system model

1.5 Modules of This System

- Registration: For user authentication
- Login: For user authentication
- Dashboard: For showing the user dashboard
- About Page: For knowing about the platform system
- Browse Job: For showing all the posted jobs
- Job Posting: For posting a job
- Sending Proposal: For sending the posts proposal
- Show Questions: For showing all the questions
- Ask a Question: For create a new question
- Answer a Question: For answer a question
- Live Chat: Live chat for both buyer and seller
- User Profile: For showing user's profile

1.5.1 Focused Modules

- **Registration:**

The user will register by giving Name, Email, Password, Mobile number, Birth Date and User role.

Every data will be stored in database

- **Login:**

After providing the correct username and password, the user logs in to the system homepage.

If the user enters a wrong username or password, then he cannot enter into the system.

- **Dashboard:**

The dashboard is the first landing page for the platform. It is mainly created to show users current status.

- **Browse Job:**

All the jobs will be showed in descending order so that the sellers can view all the latest posted jobs.

- **Job Posting:**

The buyers will create a job form this page. Buyer can attach their necessary documents through this page.

- **Sending Proposal:**

Sellers can send proposal to the buyer's post, and the buyer can only see the proposals. No sellers would be able to see the sending proposals

- **Browse Questions:**

All the questions will be showed in descending order so that the users can view all the latest posted jobs.

- **Ask a Question:**

The buyers will create a question form this page. Buyer can attach their necessary documents through this page.

- **Answer a Question:**

In this module the question details will be showed and the other users can answer, vote and mark as a favorite answer. The asker will be able to mark the best answer in this module.

- **Workstream:**

This module is for connecting both buyer and seller for their project as a conversation. Users can knock bargain and award the job though this workstream module.

- **User Profile:**

This Module is to show user profile, their hourly charges user rating and other stuffs. Users can also edit and update their profile.

1.6 Objective

“Freelancing Platform” is a web application, where buyers can work with different seller for their necessary needs and seller can help/sell their services to the buyers. Generally, the buyer will post a job and the seller will send proposal through the post. The buyer will contact with the seller from the bidder list by viewing his profile. Also, if any user faces any difficulties during work or any time, they can get help by the other users in Q&A section.

CHAPTER 2

REQUIREMENT ENGINEERING

2.1. Functional Requirement (FR):

Functional requirement defines a function of a system, where a function is described as a specification of behavior. The functional requirement can be a calculation, data manipulation, business process, user interaction, or any other specific functionality which defines what function a system is likely to perform. Now, I am showing functional requirements associating with this project:

2.1.1 Registration

FR 1	Registration
Description	Users must be registration for login to the system.
Stakeholders	Buyer, Seller

2.1.2 Login/logout

FR 2	Login / logout
Description	Login is compulsory for this system. Users must login before using the system.
Stakeholders	Buyer, Seller

2.1.3 Dashboard

FR 3	Dashboard
Description	The dashboard is the first landing page for the platform. It is mainly created to show users current status.
Stakeholders	Buyer, Seller

2.1.4 Browse Jobs

FR 4	Browse Jobs
Description	All the jobs will be showed in descending order so that the sellers can view all the latest posted jobs.
Stakeholders	Seller

2.1.5 Post A Job

FR 5	Post A Job
Description	The buyers will create a job form this page. Buyer can attach their necessary documents through this page.
Stakeholders	Buyer

2.1.6 Send Proposal

FR 6	Send Proposal
Description	Sellers can send proposal to the buyer's post, and the buyer can only see the proposals. No sellers would be able to see the sending proposals
Stakeholders	Seller

2.1.7 Browse Question

FR 7	Browse Question
Description	All the questions will be showed in descending order so that the users can view all the latest posted jobs.
Stakeholders	Seller

2.1.8 Ask Question

FR 8	Ask Question
Description	The buyers will create a question form this page. Buyer can attach their necessary documents through this page.
Stakeholders	Seller, Buyer

2.1.9 Answer Question

FR 9	Answer Question
Description	In this module the question details will be showed and the other users can answer, vote and mark as a favorite answer. The asker will be able to mark the best answer in this module
Stakeholders	Seller, Buyer

2.1.10 Workstream

FR 10	Workstream
Description	In this module the question details will be showed and the other users can answer, vote and mark as a favorite answer. The asker will be able to mark the best answer in this module
Stakeholders	Seller, Buyer

2.1.10 User Profile

FR 11	User Profile
Description	Connect both buyer and seller for their project as a conversation. Both can knock bargain and award the job though this workstream module.
Stakeholders	Seller, Buyer

2.2. Non-Functional Requirement (NFR):

Non-Functional Requirement (NFR) specifies the quality attribute of a software system. They judge the software system based on Responsiveness, Usability, Security, Portability and other non-functional standards that are critical to the success of the software system. Now, I am showing non-functional requirements associating with this project:

2.2.1 Performance:

NFR 1	All services will be provided without interruption by the system
Description	When users browse to perform a particular job and then this outcome appears must be faster.
Stakeholders	Buyer, Seller

2.2.2 Capacity:

NFR 2	System will able to record up to 10000 profiles.
Description	The information of this System will be stored in the database.
Stakeholders	Buyer, Seller

2.2.3 Reliability:

NFR 3	The system should be able to fulfill all of its functions flawlessly.
Description	The system should complete the required tasks efficiently, when some important actions are performed, the completion has to be done by confirmation. The System update is necessary and regularly.
Stakeholders	Buyer, Seller

2.2.4 Performance:

NFR 4	All services will be provided without interruption by the system
Description	When users browse to perform a particular job and then this outcome appears must be faster.
Stakeholders	Buyer, Seller

2.2.5 Capacity:

NFR 5	System will able to record up to 10000 profiles.
Description	All the information of this System will be stored in the database.
Stakeholders	Buyer, Seller

2.2.6 Reliability:

NFR 6	The system should be able to fulfill all of its functions flawlessly.
Description	The system should complete the required tasks efficiently, when some important actions are performed, the completion has to be done by confirmation. The System update is necessary and regularly.
Stakeholders	Buyer, Seller

CHAPTER 3

SYSTEM ANALYSIS DESIGN AND SPECIFICATION

3.1 Development Model

Because of this project is a freelancing based application, I had to check various sides to make the application flawless and run the system smoothly. So, I choose agile model due to its dexterity. This model helped me a lot to fix bugs and resolve the issues. This project is primarily designed for flexible use. So that the system can be updated efficiently without major changes Part of my project. The Agile model gets us the chance to create a system that can be easily updated, frequently tested for efficiency, quality products, and in short development time.

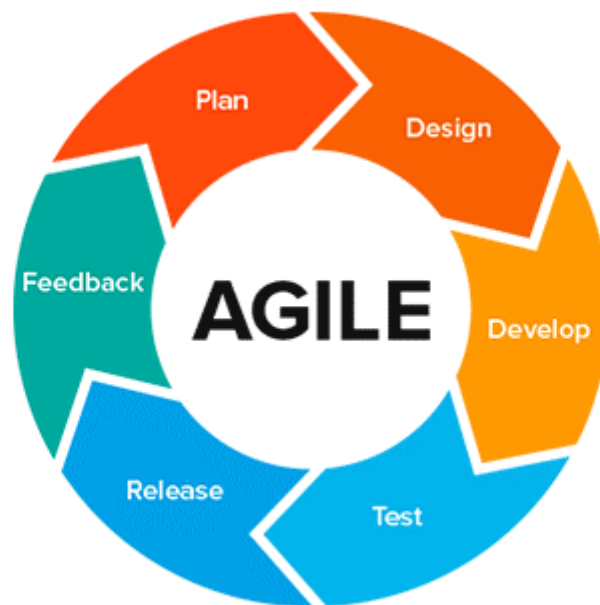


Figure 3.1: Agile Model

3.2 Use Case Diagram

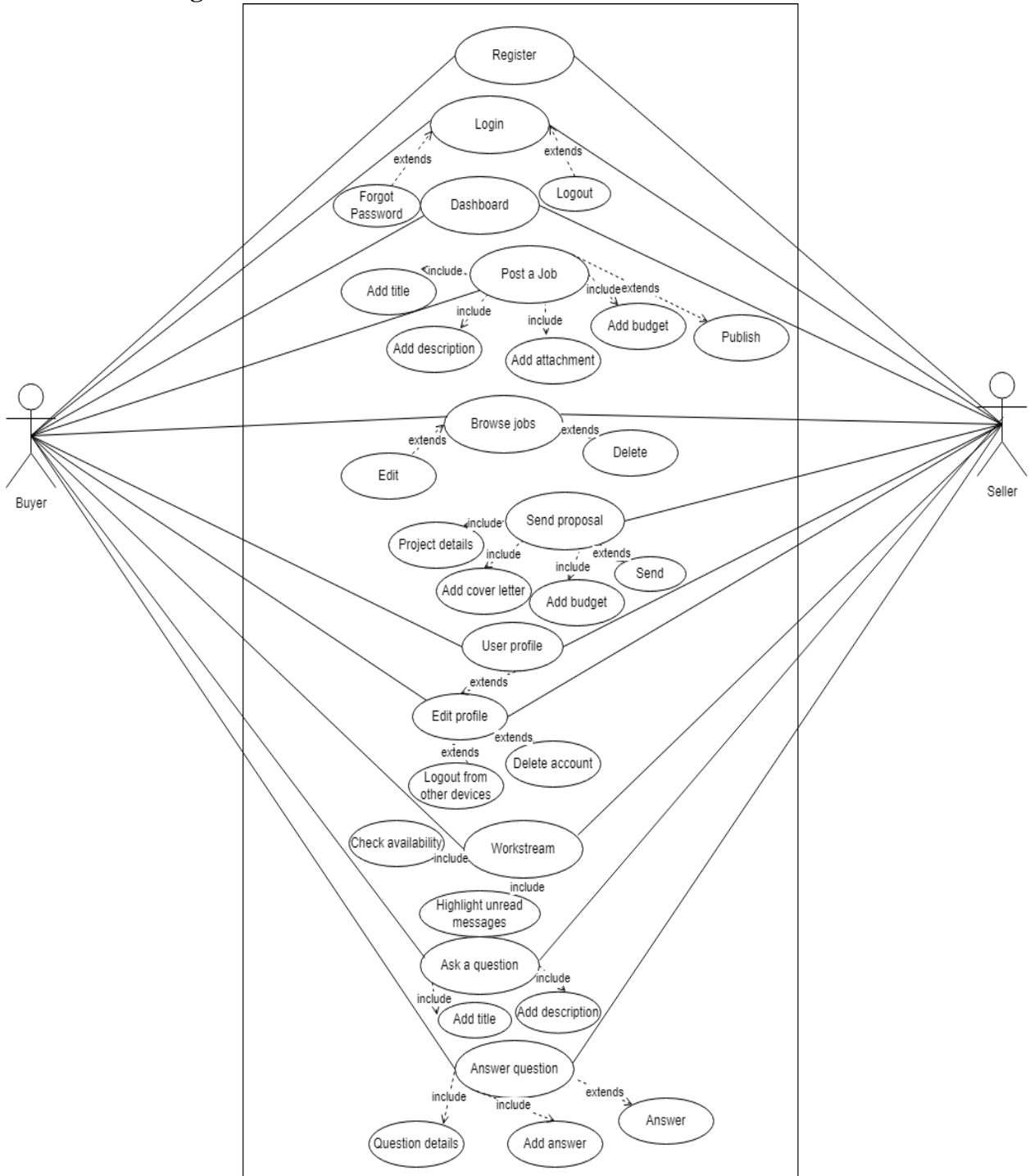


Figure 3.2: Use Case Diagram

3.3 Use Case Description

3.3.1 Register

Users must register by his/her valid information to get access to use the platform.

Use case ID	UC-01	
Use Case Name	Register	
Goal	To create a new user profile in the system.	
Preconditions	The user must have an email address.	
Primary Actor Secondary Actor	Buyer, Seller	
Trigger	Button	
Description / Main Success Scenario	Step	Action
	1	To enter into the system
	2	To create a new user profile
Post Condition	Users can Log In.	
Alternative Flow	N/A	

3.3.2 Login

All the users have to login to enter the platforms dashboard. If they're already logged in, they will be direct redirected to the dashboard without login.

Use case ID	UC-02	
Use Case Name	Login	
Goal	Login to the System	
Preconditions	User must be Register with the valid information	
Primary Actor	Buyer, Seller	
Secondary Actor		
Trigger	Button	
Description / Main Success Scenario	Step	Action
	1	To enter into the system.
	2	To access all features available for a user.
Post Condition	Users can Log Out anytime.	
Alternative Flow	Sign Up	

3.3.3 Dashboard

Dashboard will be the main / first page of this platform. Users will get general information form this section

Use case ID	UC-03	
Use Case Name	Dashboard	
Goal	To Enter the main page	
Preconditions	User must be Login with email and password.	
Primary Actor Secondary Actor	Buyer, Seller	
Trigger	Button	
Description / Main	Step	Action
	1	Entering to the first page.
	2	To view the user current status.
Post Condition	N/A	
Alternative Flow	N/A	

3.3.4 Post a Job

After registering as a buyer, the buyer will be logged in, then in the “Post A Job” menu, there is a form, where the buyer will post the job that contains the valid information about what services they need or which work the need to get done.

Use case ID	UC-04	
Use Case Name	Post a Job	
Goal	Posting a new job with tittle, description and budget	
Preconditions	Buyer must be post a job with valid information.	
Primary Actor	Buyer	
Secondary Actor		
Trigger	Button	
Description / Main	Step	Action
	1	To create / post a new job.
Post Condition	N/A	
Alternative Flow	N/A	

3.3.5 Browse Jobs

After posting the job, the post will be directed to the “Browse Jobs” section, where the sellers will browse the jobs, that they are skilled to.

Use case ID	UC-05	
Use Case Name	Browse Jobs	
Goal	Browse all jobs	
Preconditions	N/A	
Primary Actor	Seller	
Secondary Actor		
Trigger	Post title	
Description / Main	Step	Action
	1	To browse all the jobs.
	2	To view all the job description.
Post Condition	N/A	
Alternative Flow	N/A	

3.3.6 Send proposal

After the buyer posts a job, the seller will browse job. If the seller finds any jobs they are interested to, they can send a proposal by writing a cover letter and the budget for the project.

Use case ID	UC-06	
Use Case Name	Send proposal	
Goal	Send proposal for the interested posts.	
Preconditions	N/A	
Primary Actor	Seller	
Secondary Actor		
Trigger	Button	
Description / Main	Step	Action
	1	To make a proposal with the buyer
	2	The proposal will be shown to the buyer's view.
Post Condition	N/A	
Alternative Flow	N/A	

3.3.7 User Profile

Every user's will have a profile, where they can add their works, edit the information, change the profile picture, Logout from multiple devices and also delete account

Use case ID	UC-07	
Use Case Name	User Profile	
Goal	View the user's profile	
Preconditions	N/A	
Primary Actor Secondary Actor	Seller, Buyer	
Trigger	Button	
Description / Main	Step	Action
	1	To view the user's profile.
	2	To edit, update and delete the user's account.
Post Condition	N/A	
Alternative Flow	User's name	

3.3.8 Workstream

Workstream is the place where the buyer and the seller both connects. Here Buyer and seller will have a conversation about their work. Also they can bargain if they want.

Use case ID	UC-08	
Use Case Name	Workstream	
Goal	To connect between buyer and seller	
Preconditions	N/A	
Primary Actor	Seller, Buyer	
Secondary Actor		
Trigger	Button	
Description / Main	Step	Action
	1	To have a chat between buyer and seller
	2	The buyer and seller will have conversation about their project
Post Condition	N/A	
Alternative Flow	User's profile	

3.3.9 Ask a Question

Ask a question is a unique section for the freelancing platform. Here every user can take the advantages by the experts by asking a question by any topics they want. This section can be a big relief for the fresher and the students.

Use case ID	UC-09	
Use Case Name	Ask a Question	
Goal	To get the solution where users stuck	
Preconditions	N/A	
Primary Actor	Seller, Buyer	
Secondary Actor		
Trigger	Button	
Description / Main	Step	Action
	1	To ask a question about any kind of problems
	2	Vote and mark favorite the question
Post Condition	N/A	
Alternative Flow	N/A	

3.3.10 Answer Question

Answer question will be the section, where user will view the question details, vote the question and see the other answers. Also, the best answer will be marked as “✓”.

Use case ID	UC-10	
Use Case Name	Answer Question	
Goal	To get the answers from experts.	
Preconditions	N/A	
Primary Actor	Seller, Buyer	
Secondary Actor		
Trigger	Question title	
Description / Main	Step	Action
	1	To get the answer of the question.
	2	Vote the answer
Post Condition	N/A	
Alternative Flow	N/A	

3.3.11 Logout

User (Contributor & Student) should log out from the system click on logout button.

Use case ID	UC-11	
Use Case Name	Log Out	
Goal	To terminate the session from the system.	
Preconditions	User must be Logged In with username and password.	
Primary Actor Secondary Actor	Buyer, Seller	
Trigger	Button	
Description / Main Success Scenario	Step	Action
	1	To log out from the system
	2	To finish user session
Post Condition	Users can Log In anytime.	
Alternative Flow	Close Window.	

3.4 Activity Diagram

3.4.1 Register

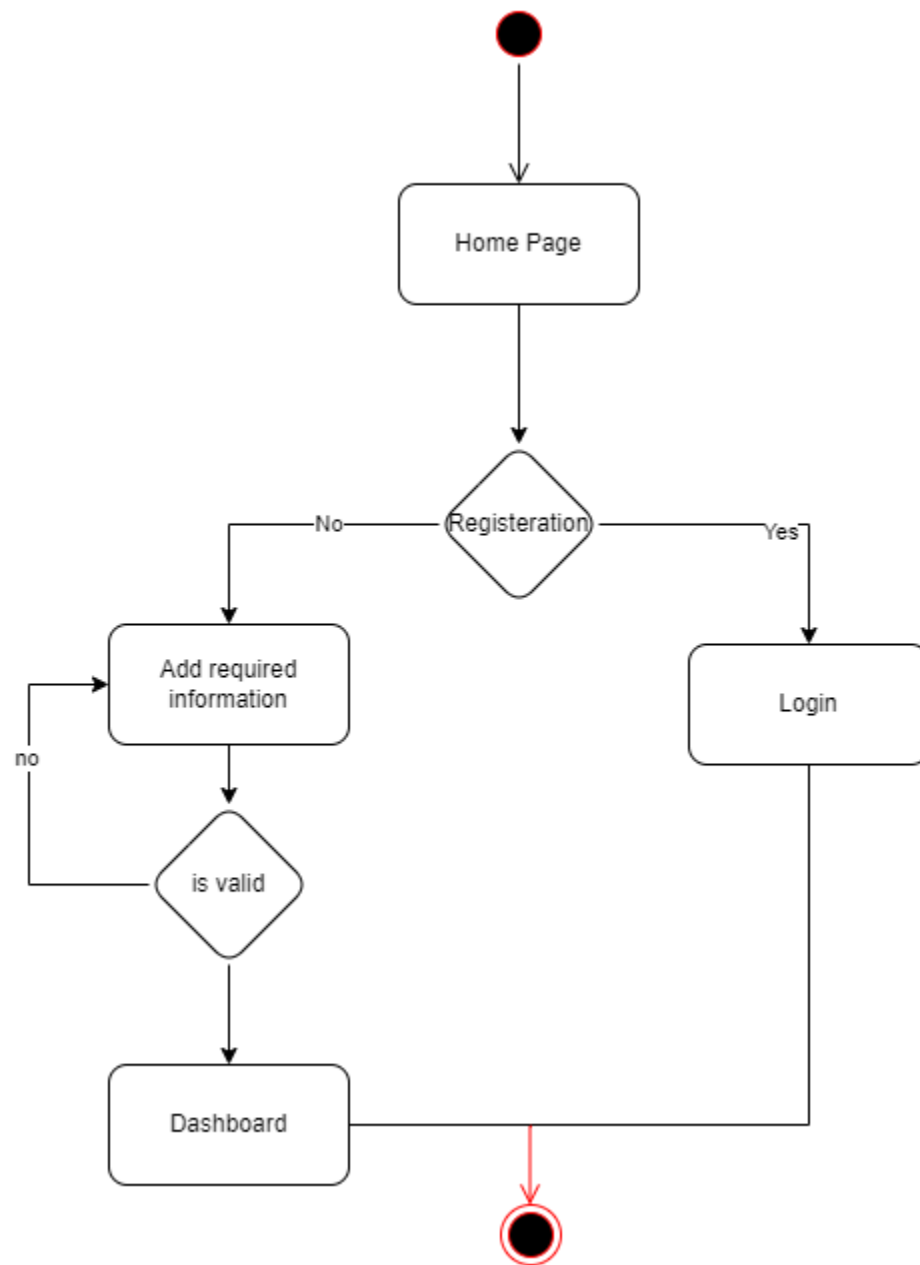


Figure 3.4.1: Activity Diagram: Register

3.4.2 Login

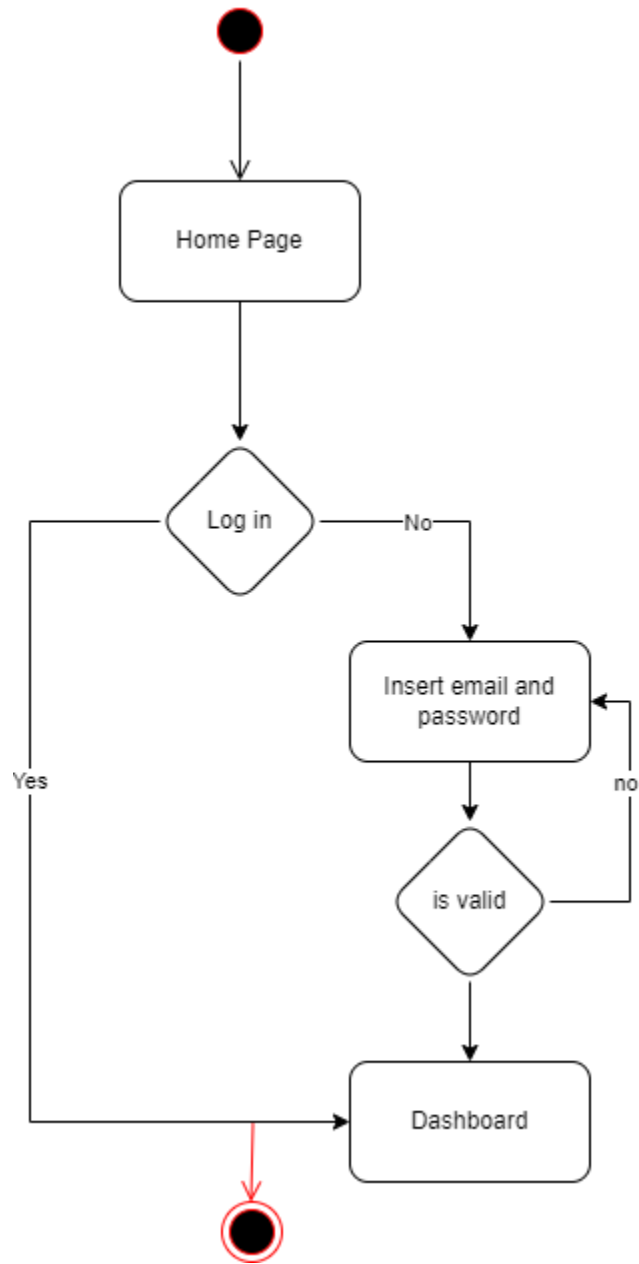


Figure 3.4.2: Activity Diagram: Login

3.4.3 Dashboard

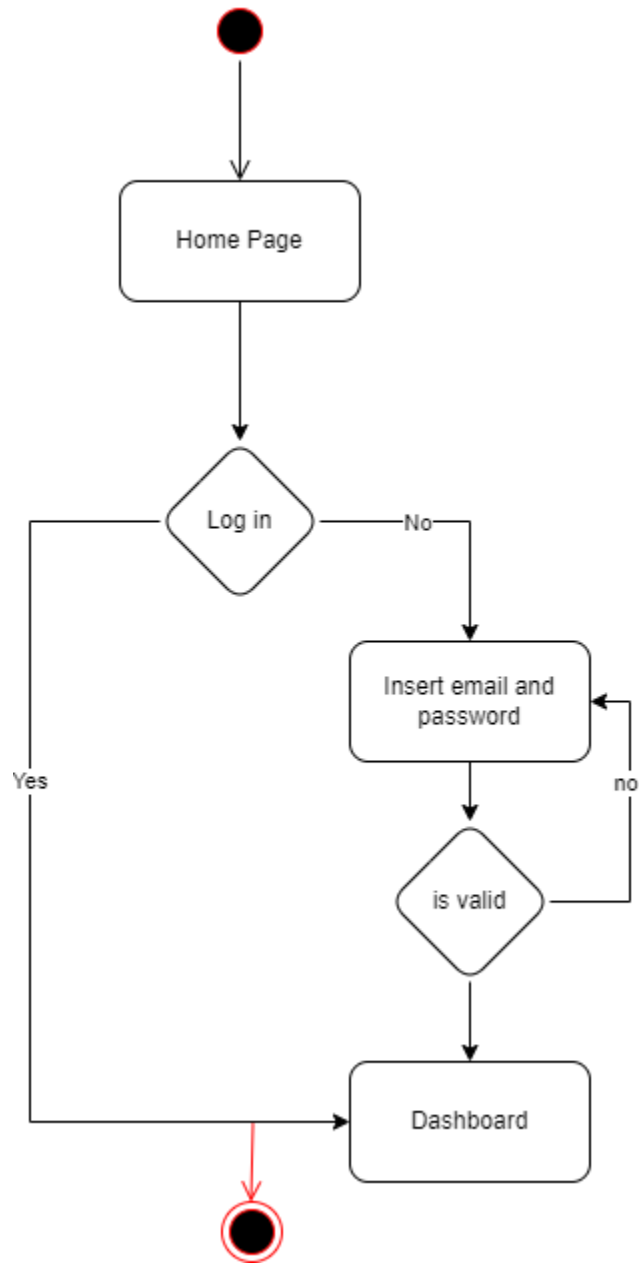


Figure 3.4.3: Activity Diagram: Dashboard

3.4.4 Post a Job

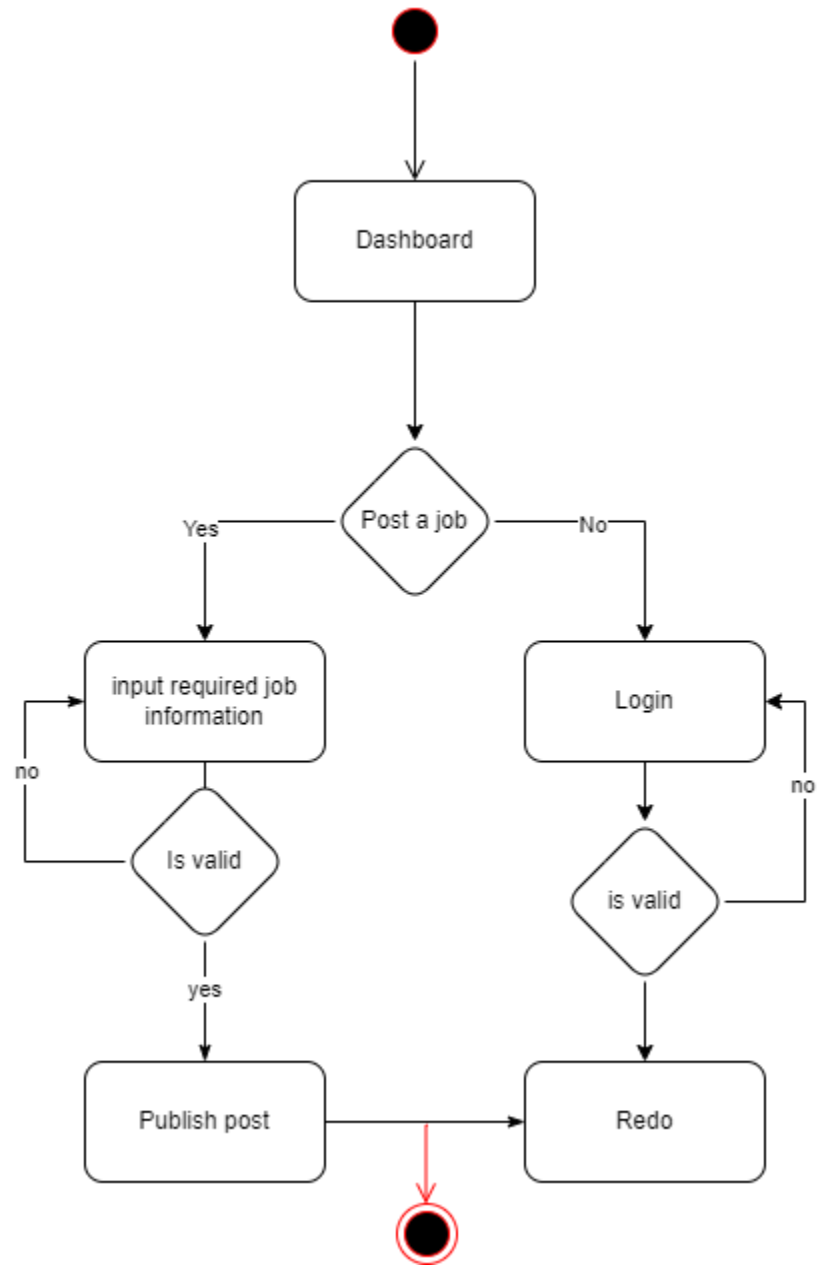


Figure 3.4.4: Activity Diagram: Post a job

3.4.5 Browse Jobs

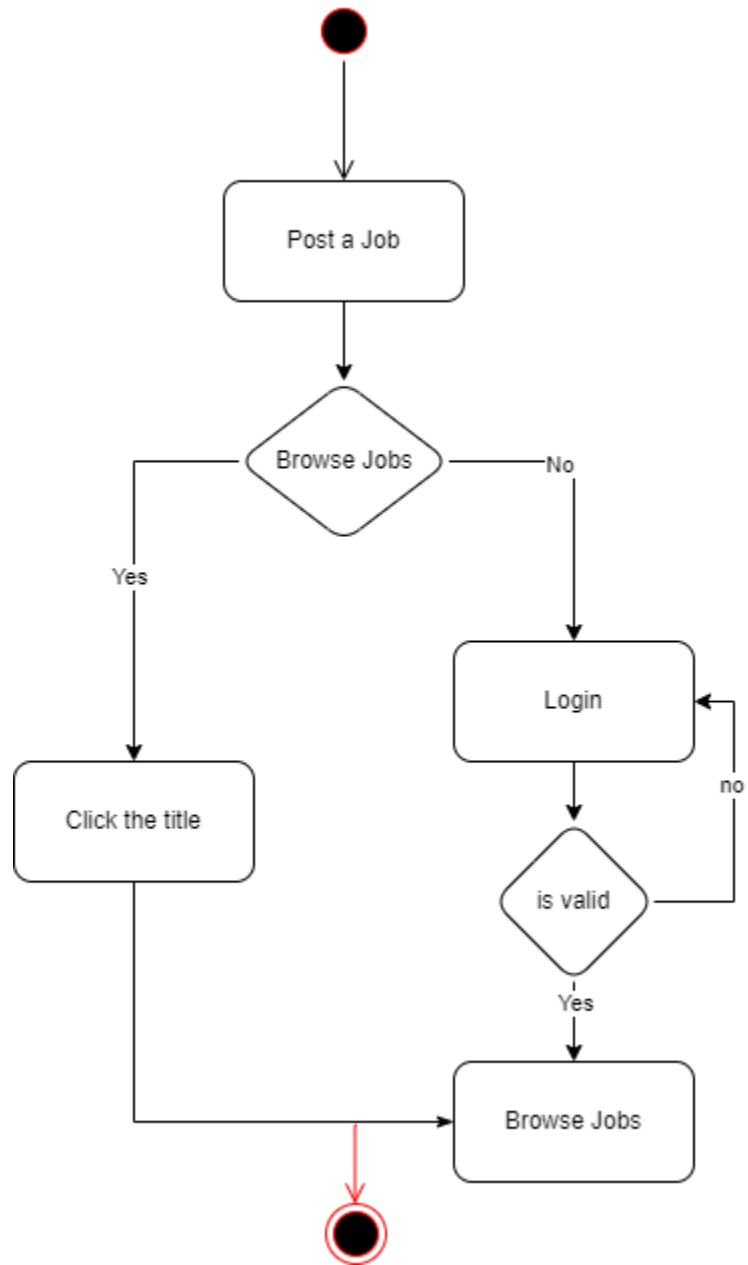


Figure 3.4.5: Activity Diagram: Browse Jobs

3.4.6 Send Proposal

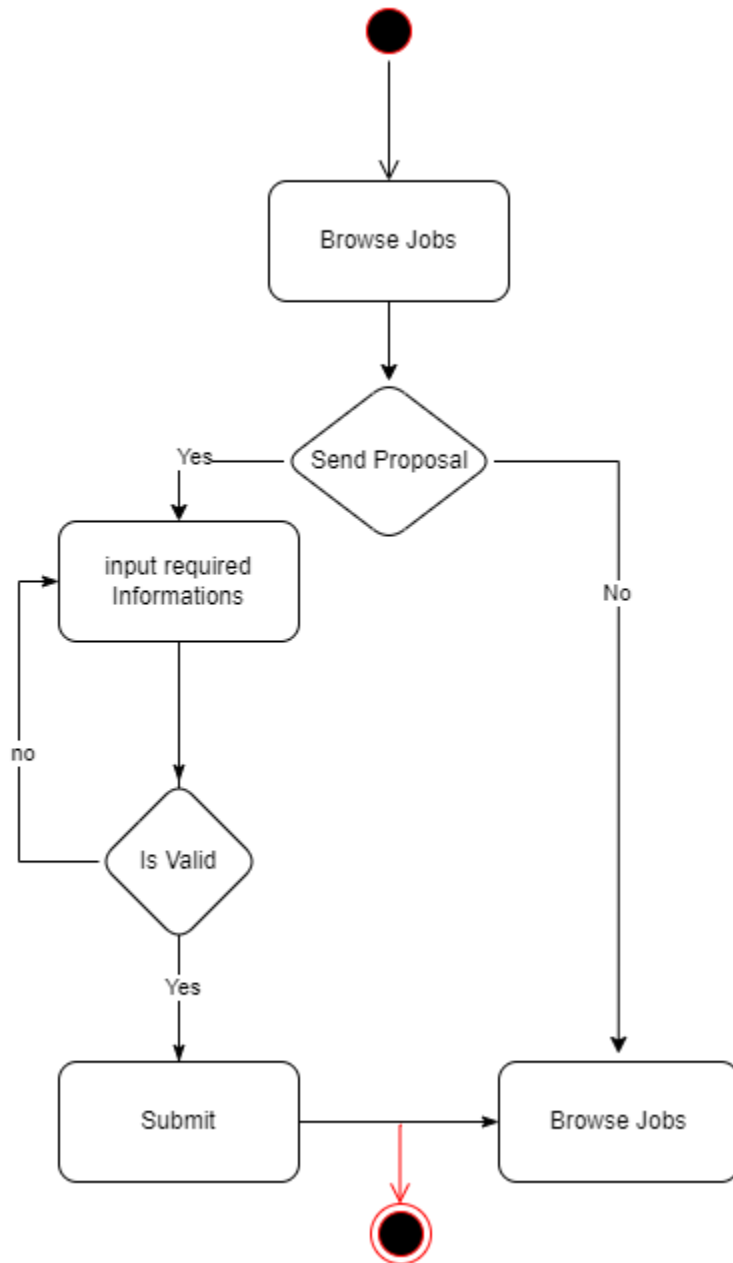


Figure 3.4.6: Activity Diagram: Send Proposal

3.4.7 User Profile

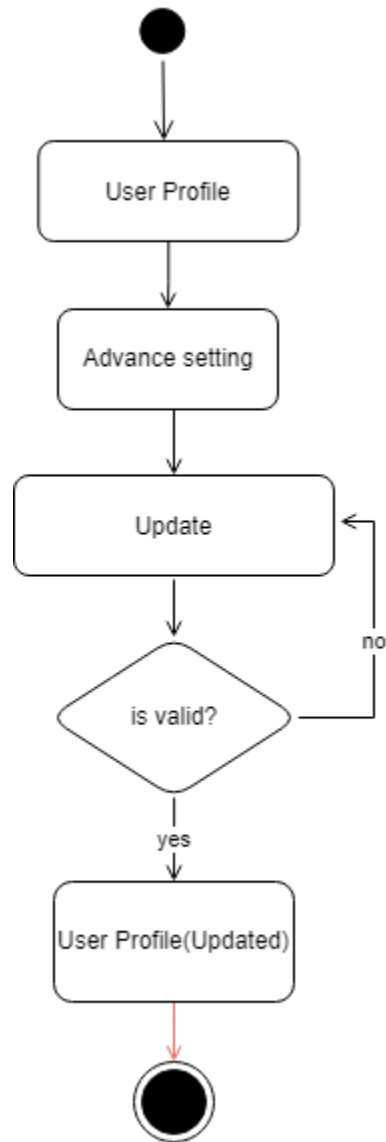


Figure 3.4.7: Activity Diagram: User Profile

3.4.8 Workstream

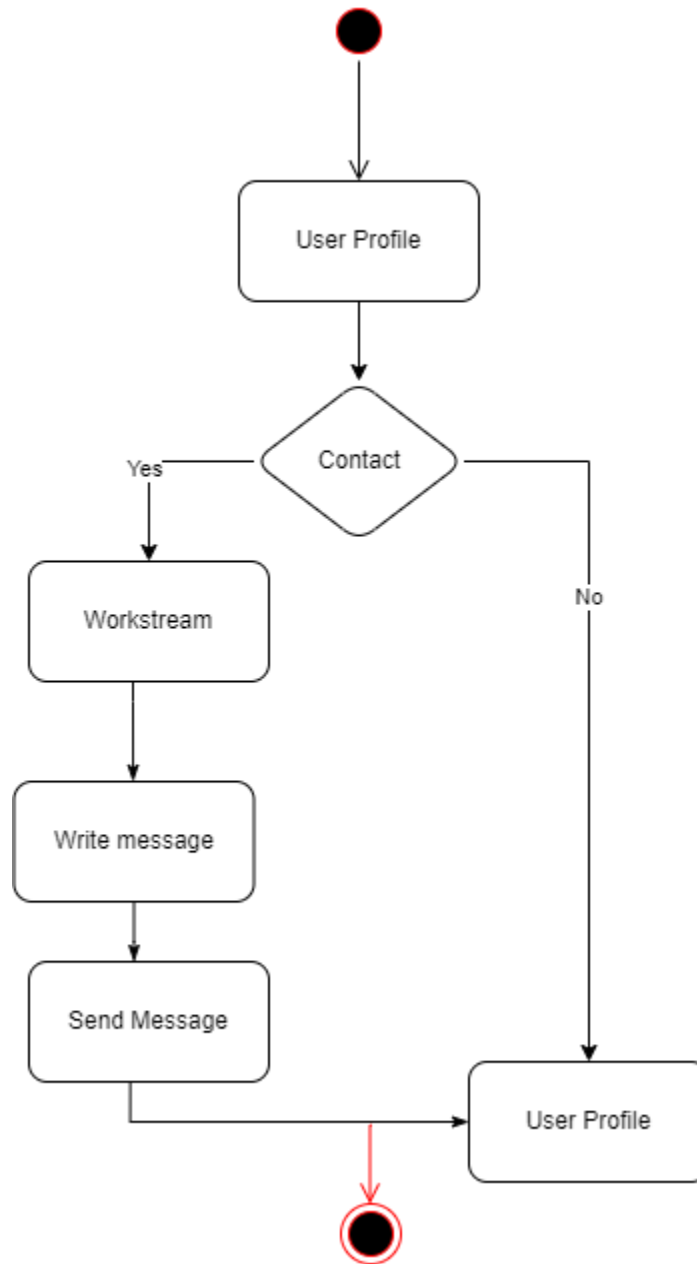


Figure 3.4.8: Activity Diagram: Workstream

3.4.9 Ask a Question

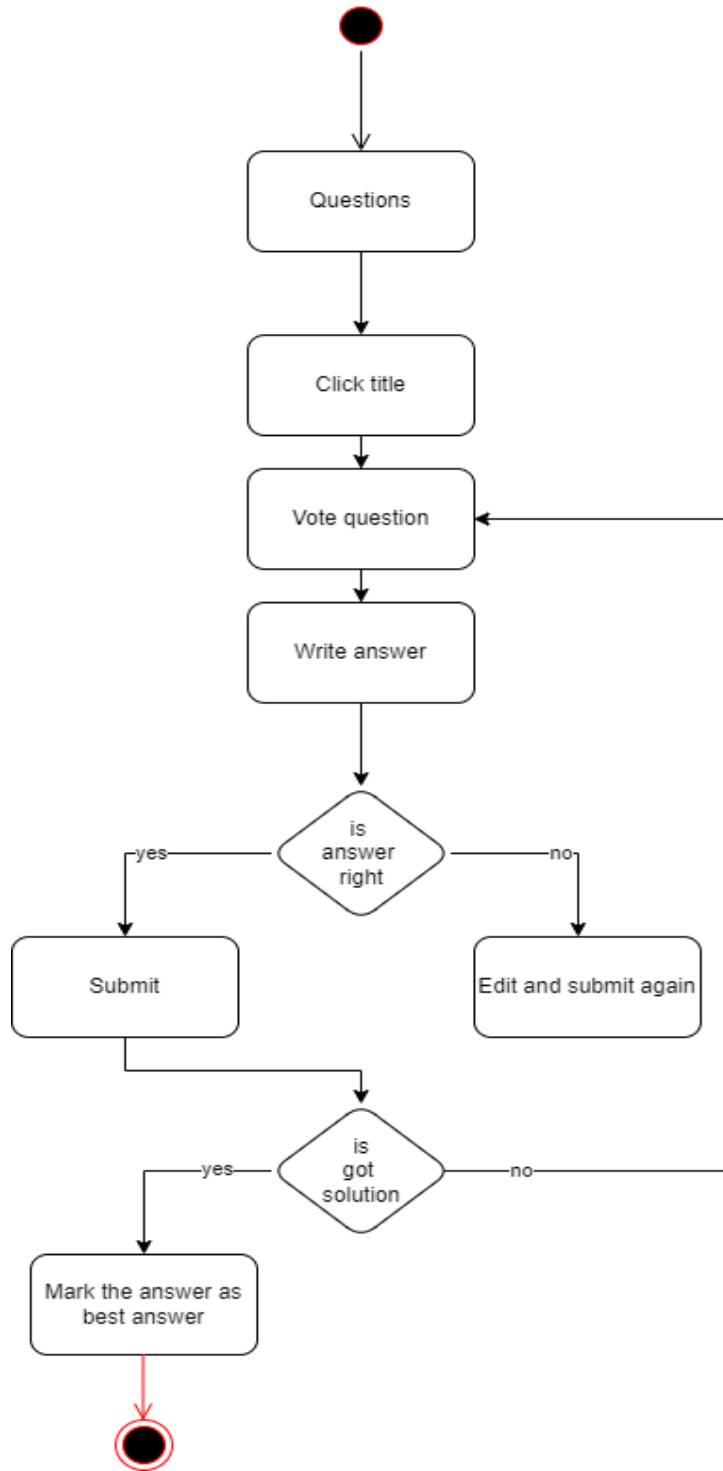


Figure 3.4.9: Activity Diagram: Ask a Question

3.4.10 Answer Question

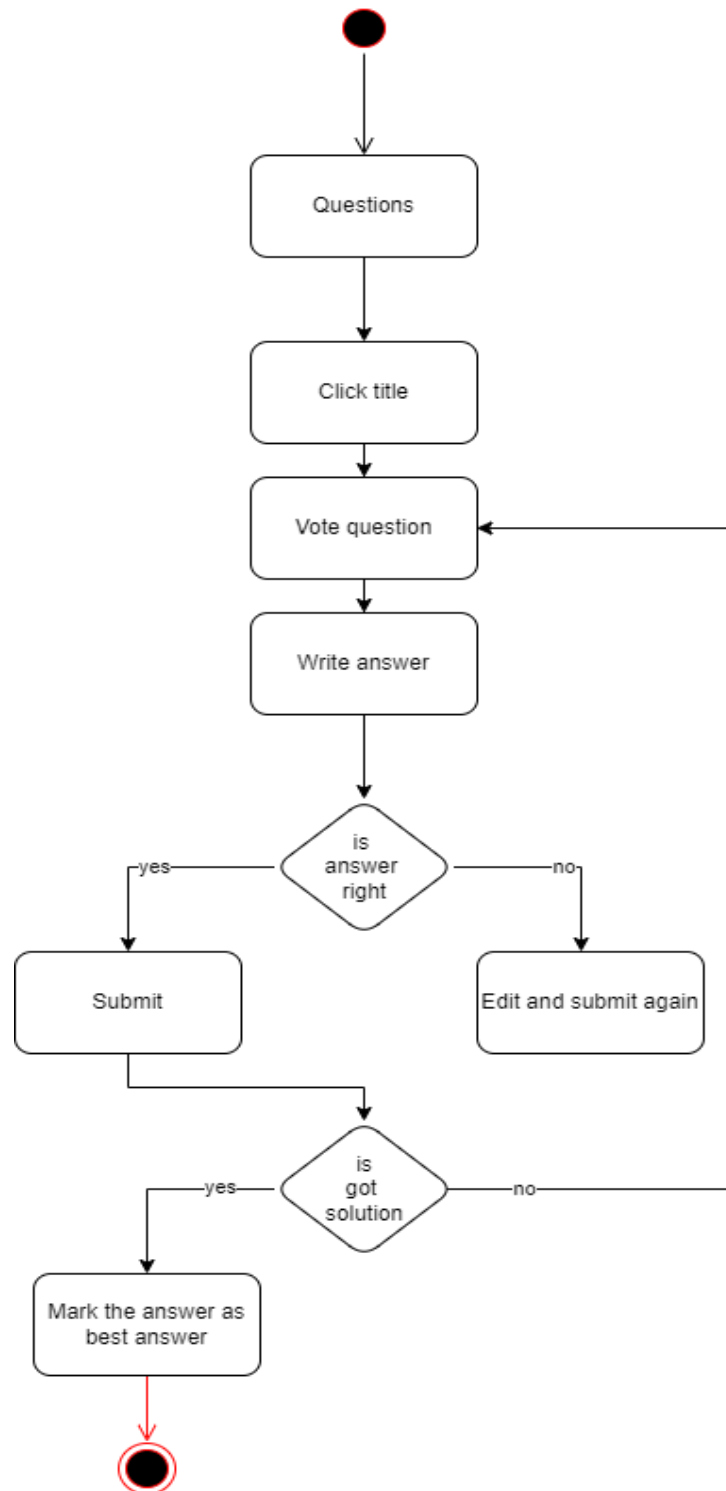


Figure 3.4.10: Activity Diagram: Answer Question

3.4.11 Logout

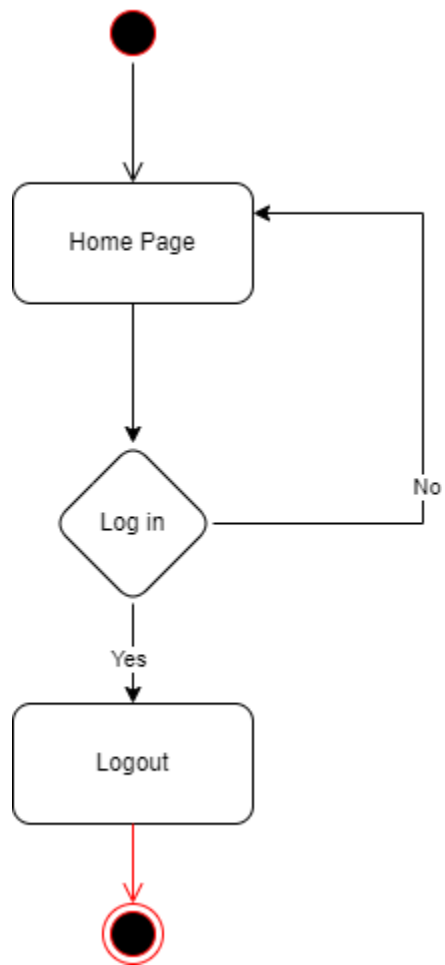


Figure 3.4.11: Activity Diagram: Answer Question

3.5 Sequence Diagram

3.5.1 Register and Login

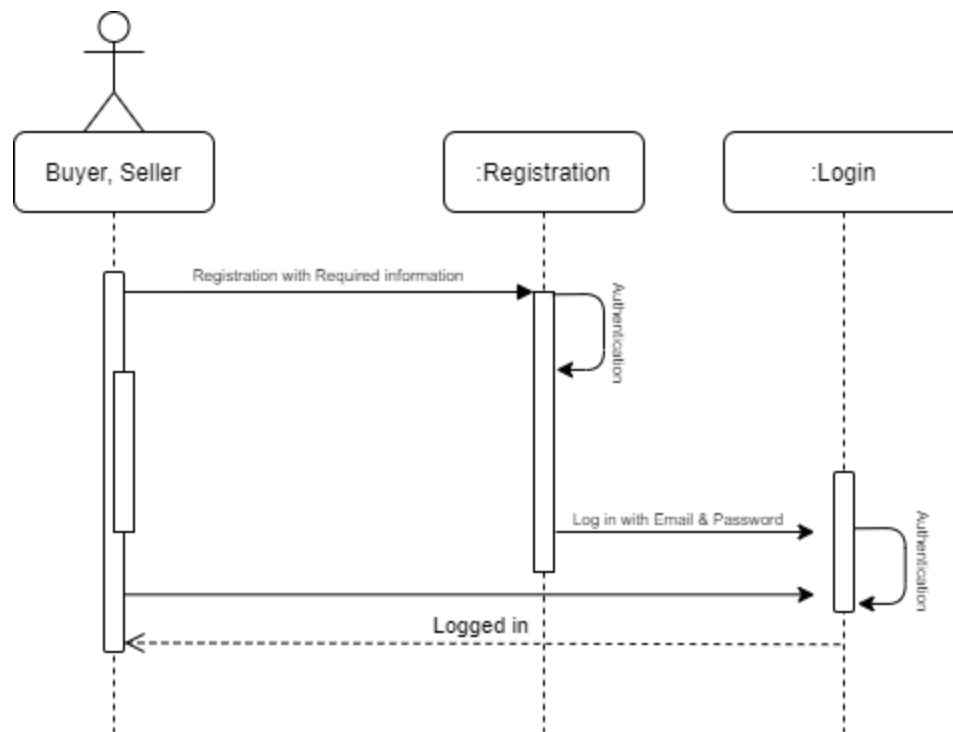


Figure 3.5.1: Sequence Diagram: Register and login

3.5.2 Post A Job

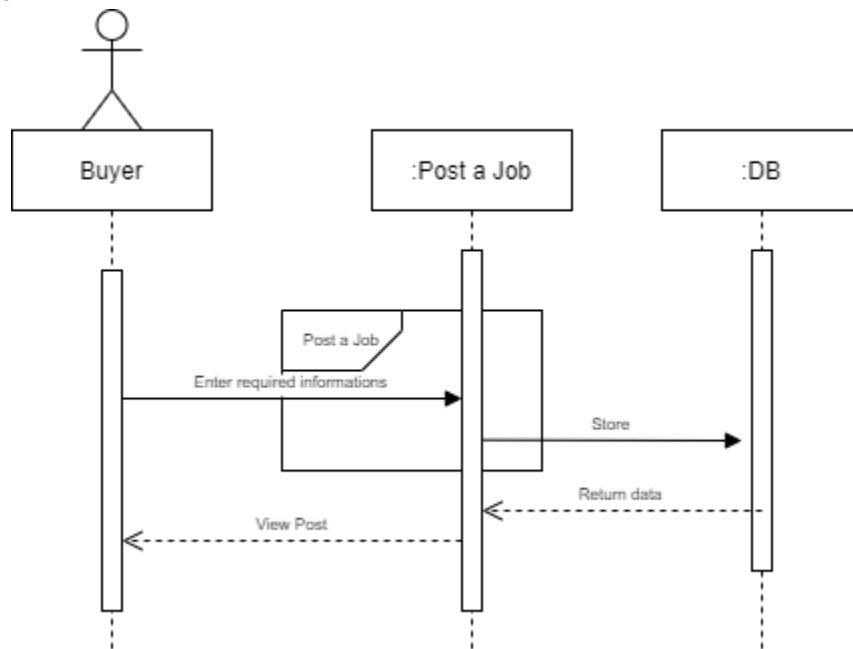


Figure 3.5.2: Sequence Diagram: Post A Job

3.5.3 Send Proposal

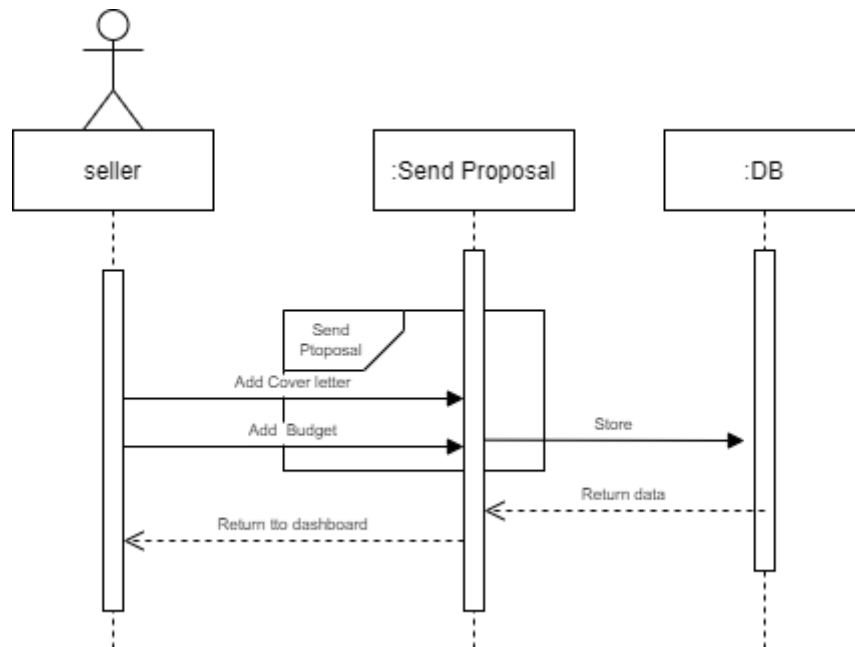


Figure 3.5.3: Sequence Diagram: Send Proposal

3.5.4 Ask a Question

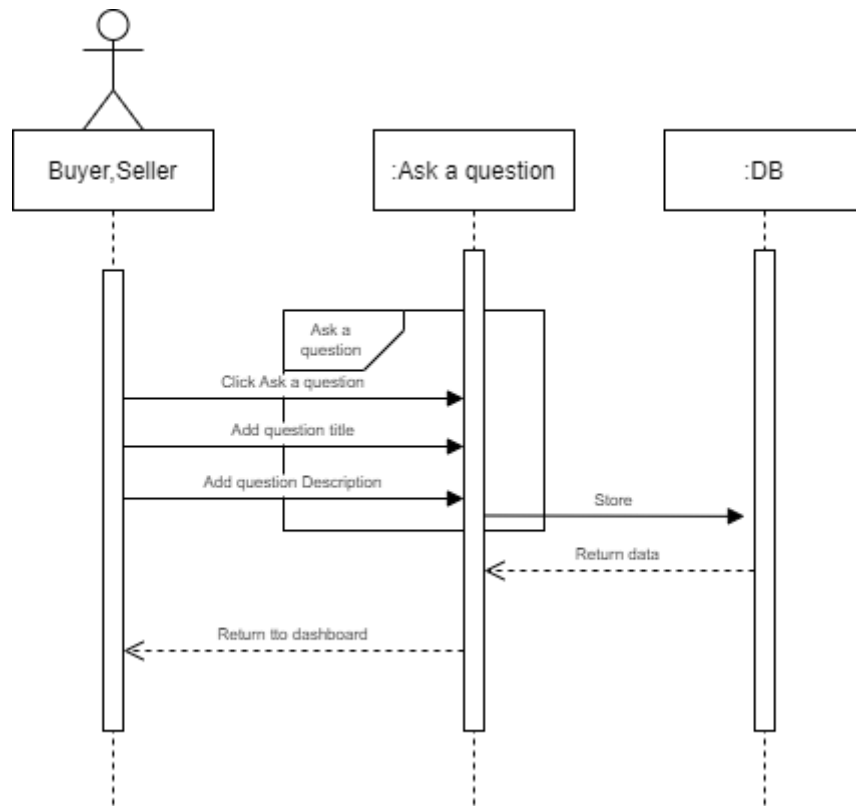


Figure 3.5.4: Sequence Diagram: Ask a Question

3.5.5 Answer Question

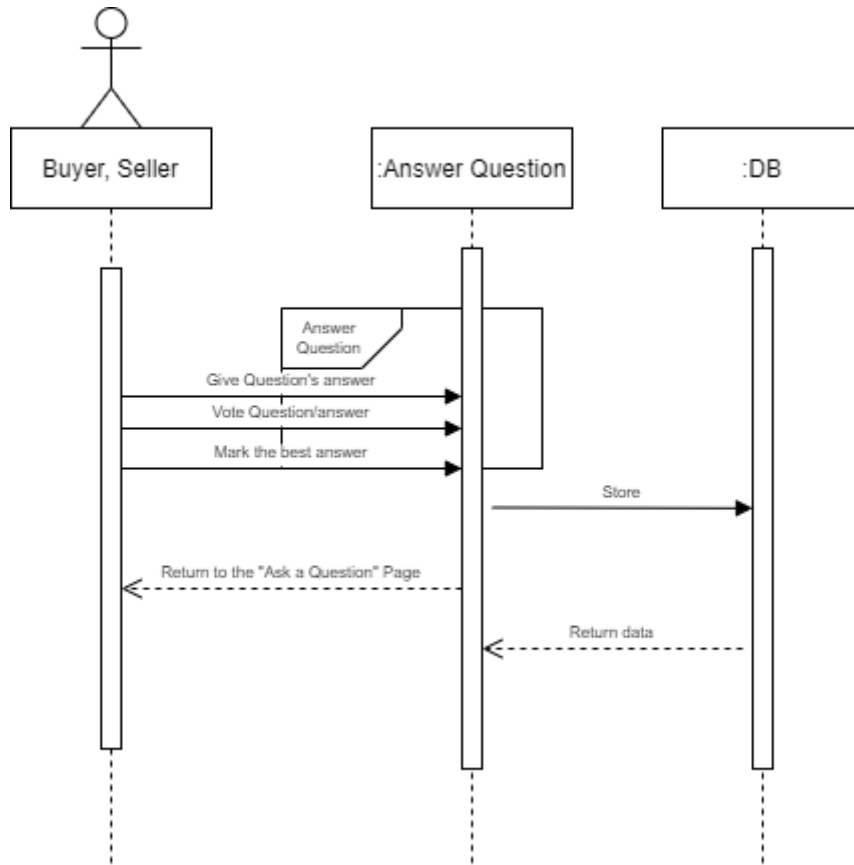


Figure 3.5.5: Sequence Diagram: Answer Question

3.5.6 User Profile

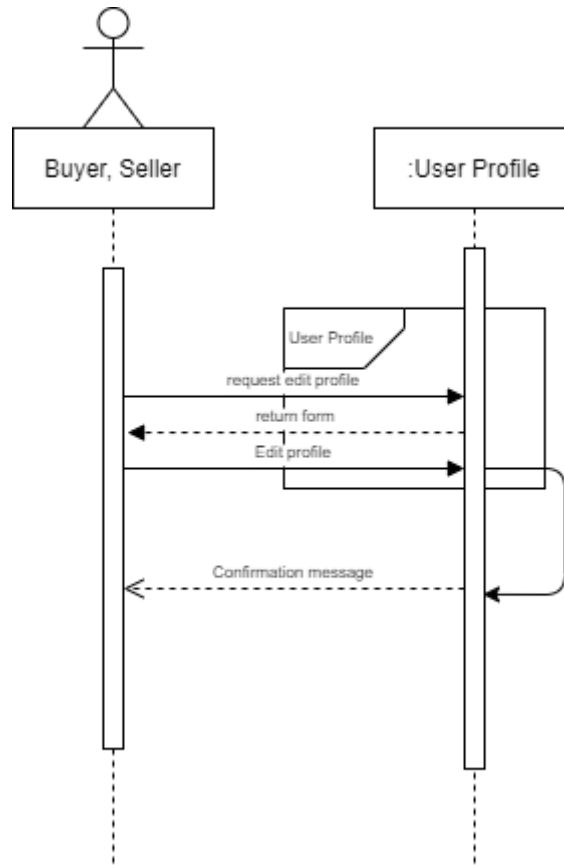


Figure 3.5.6: Sequence Diagram: User Profile

3.5.7 Workstream

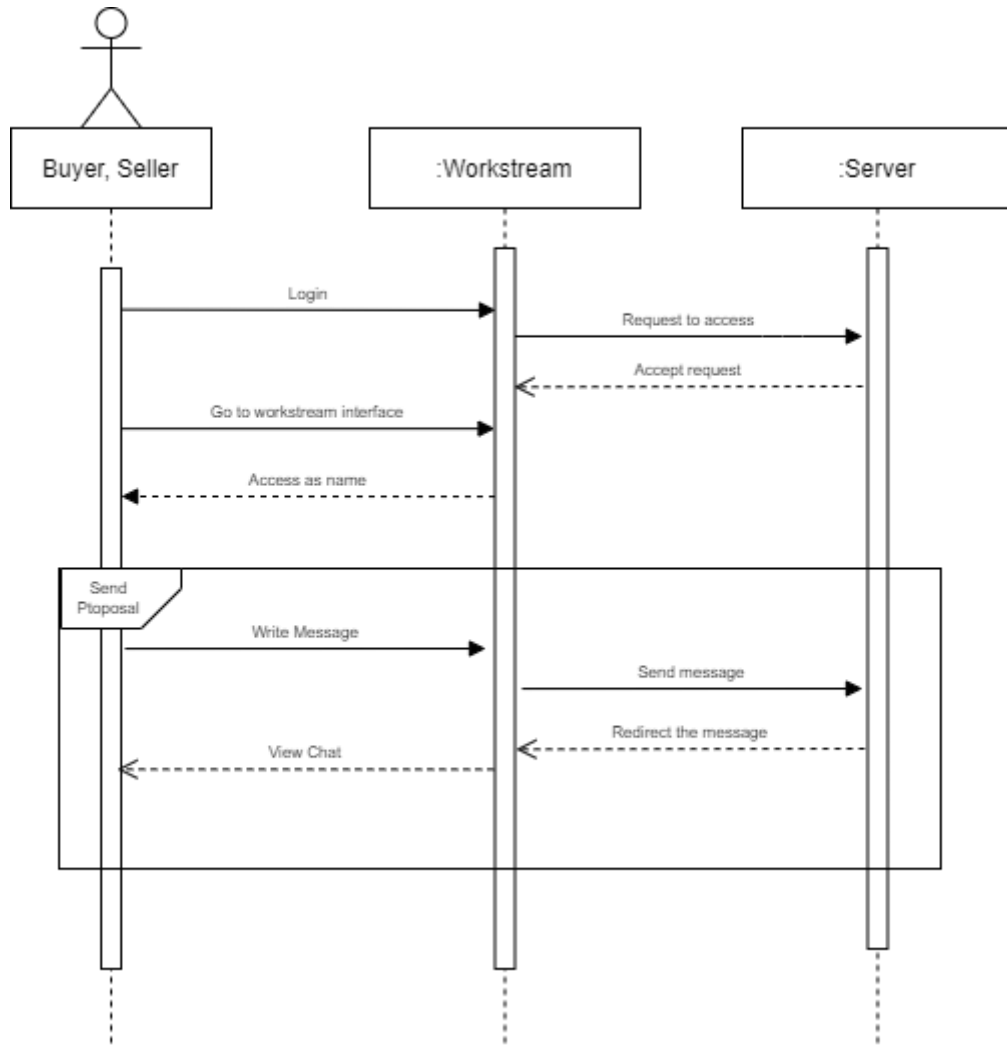


Figure 3.5.7: Sequence Diagram: Workstream

3.6 Entity Relationship Diagram

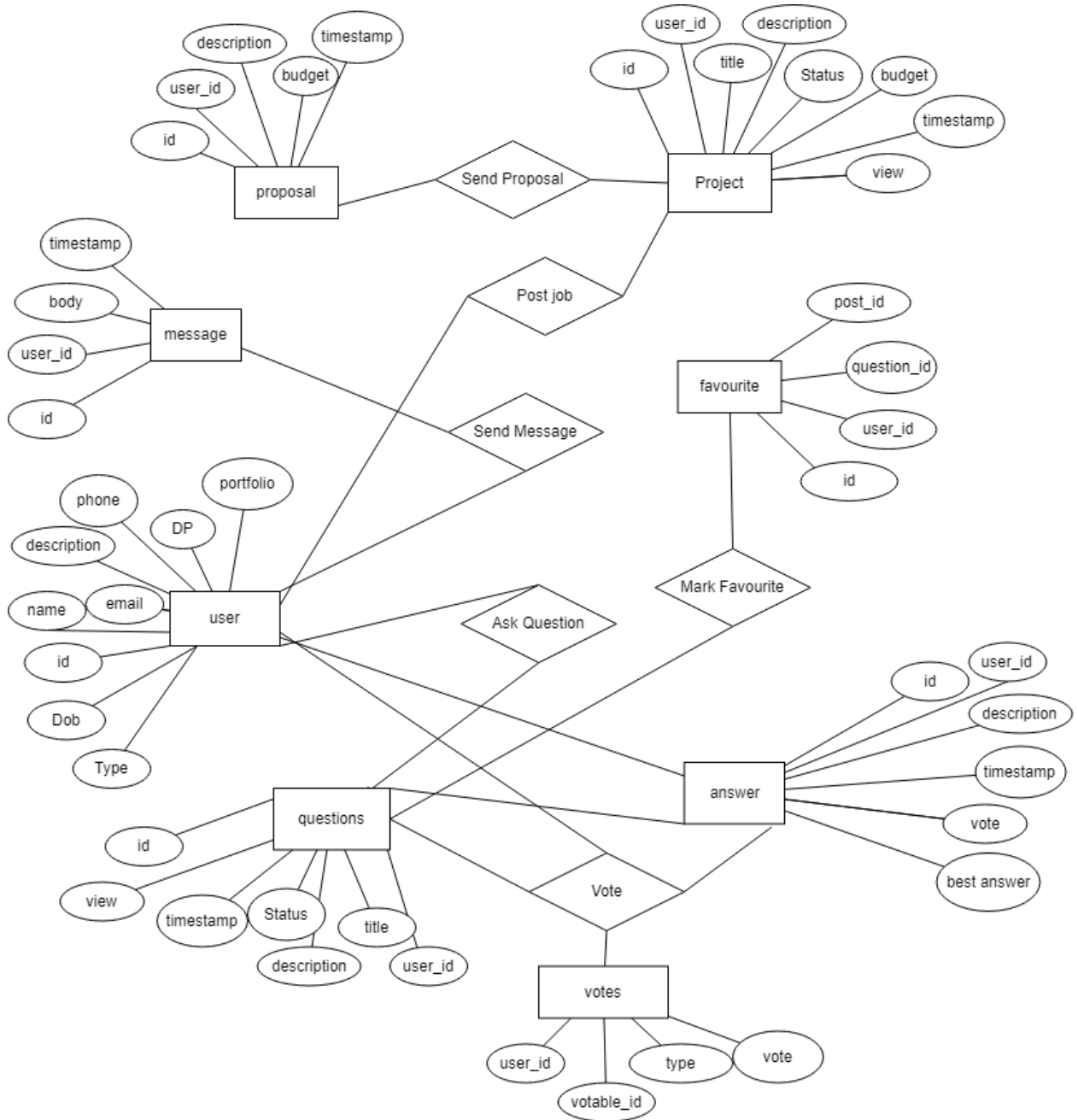


Figure 3.6: Entity Relationship Diagram

CHAPTER 4

SYSTEM TESTING

4.1 Feature Testing

Feature testing is done when a new feature is added to the software or a change is made to an existing feature. Added or modified features are designed to be useful, attractive and effective. Testing for improved or modified features is very important because any problems found in existing functionality due to new features can create many problems. It is expected that this test will be performed correctly, with the regression test when needed.

4.1.1 Feature To Be Tested

Features	Priority	Description
Registration	1	User information must be saved.
Log In	1	The user must be authenticated by the login.
Log Out	2	The session must be finished after logout.
Post A Job	1	Post a job for the sellers to get jobs done.
View Job Details	1	Job details will be showed.
Send Proposal	1	Sending proposal for the job post.
Ask a Question	1	Asking question if stuck anywhere.
View Question	1	Question details will be showed.
Answer Question	2	Users will answer the questions.
User Profile	2	Users individual profile will be shown.
Update Profile	3	Users can update their profile.
Workstream	2	User can connect to each other.
Here, 1=High Priority, 2=Medium Priority, 3=Low Priority		

Figure 4.1: Feature Priority Table

4.2 Test Strategies

4.2.1 Test Approach

For ensure the quality of my system, I have used two different types of testing. I focused on functional testing and structural testing mainly.

- Black Box testing is used to test the functionality of the system. Functionality is tested based on inputs and the outputs respected to the inputs. This type of testing ignores internal mechanism of the system. Results ensures if the functionality fulfills the specifications and requirements.
- White box testing is used to verify the structure, mechanism and architecture of internal system. Flow of input and output is tested to ensure standard design, security and user-friendly experience. Code of the system is tested directly.

4.2.2 Pass/Fail Criteria

For unit testing, I set some pass or fail criteria. I prepare the pass / fail criteria based on which input data are worked and which are not working. Data that are worked well is considered as pass criteria. There are some pass / fail criteria below:

- System crash is considered as a failure case.
- If any criteria pass 100% of testing, then it will be considered as pass criteria only.
- Which data can't be displayed to the system properly, then it is also to be considered as fail criteria?

4.2.3 Testing Schedule

Test Phase	Time
Testing plan create	2 Week
Unit testing	During development time
Component test	During development time
Integration testing	1 Week
Testing user interfaces	1 Week
Load testing	1 Week
Performance testing	1 Week
Accessibility testing	1 Week

Table 4.2.3: Testing Schedule

4.2.4 Traceability Matrix

Project Manager			Business Analyst Lead	
QA Lead			Target Implementation Date	
BR#	Functionality/ Activity	Requirement Description	Test Case Reference	Comments
BR1	Functional	Register	Test Case 4.4.1	
BR1	Functional	Log In	Test Case 4.4.2	
BR1	Functional	Post a Job	Test Case 4.4.3	
BR1	Functional	Send Proposal	Test Case 4.4.4	
BR1	Functional	Workstream	Test Case 4.4.5	
BR1	Functional	Ask a question	Test Case 4.4.6	
BR1	Functional	Answer Question	Test Case 4.4.7	
BR1	Functional	User Profile	Test Case 4.4.8	
BR1	Functional	Log Out	Test Case 4.4.9	

Table 4.2.4: Traceability Matrix

4.3 Testing Environment

Making a testing environment with hardware and software so that testers may execute test cases is what it means. For testing purpose, i used a few important regions. They are given below:

- Fake Data
- Local server
- Database server
- Frontend environment
- Backend environment
- Internet
- Browser
- Text Editor
- Git bash

4.4 Test Cases

Test case refers to a set of rules and regulations that can be used to determine whether a system can operate well under test scenarios. Every system, as we all know, has the potential to produce a mistake. This is a pretty regular occurrence in the software development industry. Moreover, Software testing methodologies are used to overcome these issues.

However, if we do not address these difficulties, the entire system development process may fail. As a result, proper testing is required during the development phase. For testing my system application, I have made ready some test cases. Now, I am going to discuss my test cases:

4.4.1 Registration

Test case #01				Test case name: Registration		
System: JOBKOI				Subsystem: N/A		
Designed By: Rakib Mahbub Khan				Designed Date: 07-Sept-2021		
Executed by: Rakib Mahbub Khan				Executed Date:		
Short description: System will save new user information.						
Pre-conditions:						
<ul style="list-style-type: none"> User must have a Valid Name, Email & Password. 						
Serial	Name	Email	Password	Expected result	Pass/Fail	Comment
1	Rakib Mahbub Khan	rakibmahbubkhan@gmail.com	wordpass	Credential doesn't match	fail	
2	Not Added	Not Added	wordpass	The name, the email field is required	fail	
3	Hasan Hossain	Not Added		The name is invalid	fail	
4	Rakib Mahbub Khan	rakibmahbubkhan@gmail.com	Password	User successfully signed up to the application and redirected to the login page	pass	
Post-conditions: User can now login to the application						

4.4.2 Login

Test case #02				Test case name: Login		
System: JOBKOI				Subsystem: N/A		
Designed By: Rakib Mahbub Khan				Designed Date: 10-Sept-2021		
Executed by: Rakib Mahbub Khan				Executed Date:		
Short description: System will save new user information.						
Pre-conditions:						
<ul style="list-style-type: none"> User must have a Valid Name, Email & Password. 						
Serial	Name	Email	Password	Expected result	Pass/Fail	Comment
1	Rakib Mahbub Khan	rakibmahbubkhan@gmail.com	wordpass	Credential doesn't match	fail	
2		Not Added	wordpass	The name, the email field is required	fail	
3	Hasan Hossain			The name is invalid	fail	
4	Rakib Mahbub Khan	rakibmahbubkhan@gmail.com	Password	User successfully signed up to the application and redirected to the login page	pass	
Post-conditions: User can now login to the application						

4.4.3 Post a Job

Test case #03				Test case name: Post a Job		
System: JOBKOI				Subsystem: N/A		
Designed By: Rakib Mahbub Khan				Designed Date: 15-Sept-2021		
Executed by: Rakib Mahbub Khan				Executed Date:		
Serial	Job Title	Job description	Attachment	Budget	Pass/Fail	Comment
1	Digital Marketing	Description	Not added	250	fail	
2	Not Added	Not Added	Not Added	250	fail	
3	Not Added	Description	photo	250	fail	
4	Digital Marketing	Description	Description	250	pass	

4.4.4 Send Proposal

Test case #04			Test case name: Send Proposal	
System: JOBKOI			Subsystem: N/A	
Designed By: Rakib Mahbub Khan			Designed Date: 20-Sept-2021	
Executed by: Rakib Mahbub Khan			Executed Date:	
Serial	Cover letter	Budget	Pass/Fail	Comment
1	Not Added	250	fail	
2	I can do it	250	pass	

4.4.5 Ask a Question

Test case #05			Test case name: Ask a Question	
System: JOBKOI			Subsystem: N/A	
Designed By: Rakib Mahbub Khan			Designed Date: 25-Sept-2021	
Executed by: Rakib Mahbub Khan			Executed Date:	
Serial	Question Title	Question description	Pass/Fail	Comment
1	Question	Not Added	fail	
2	Not Added	Description	fail	
3	Question	Description	pass	

4.4.6 Answer Question

Test case #06		Test case name: Answer Question	
System: JOBKOI		Subsystem: N/A	
Designed By: Rakib Mahbub Khan		Designed Date: 30-Sept-2021	
Executed by: Rakib Mahbub Khan		Executed Date:	
Serial	Answer	Pass/Fail	Comment
1	Not Added	fail	
2	This is the answer	pass	

4.4.7 Workstream

Test case #07			Test case name: Workstream	
System: JOBKOI			Subsystem: N/A	
Designed By: Rakib Mahbub Khan			Designed Date: 30-Sept-2021	
Executed by: Rakib Mahbub Khan			Executed Date:	
Serial	Authentication	Input	Pass/Fail	Comment
1	Not Added	Hello	fail	
2	Yes	Hello	pass	

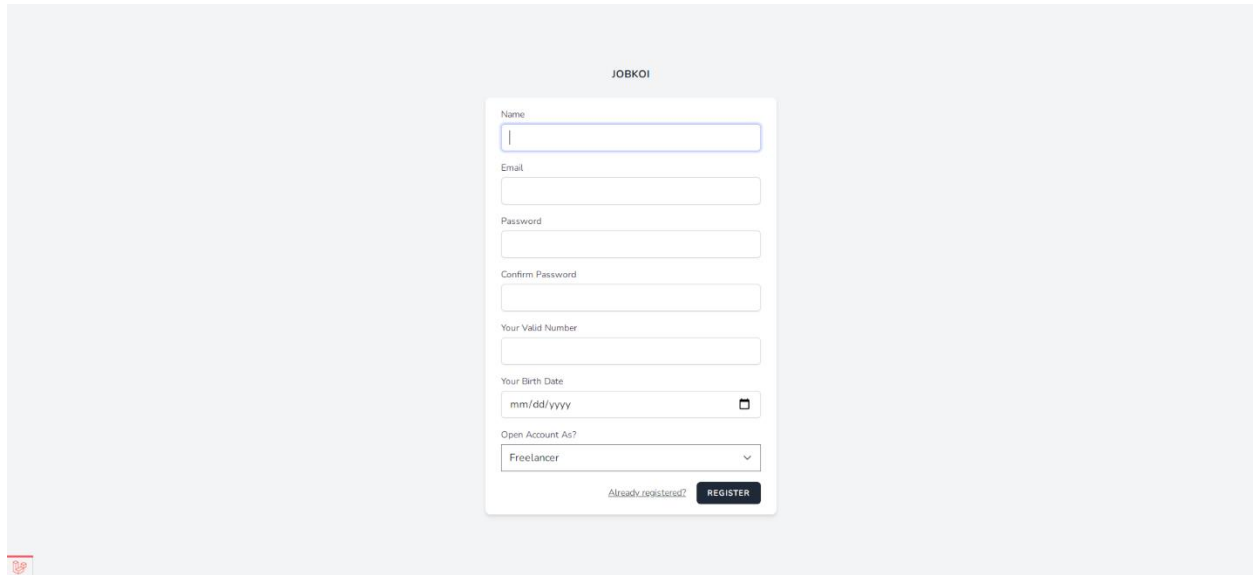
4.4.8 Logout

Test case #08		Test case name: Log Out		
System: JOBKOI		Subsystem: N/A		
Designed By: Rakib Mahbub Khan		Designed Date: 19-Sept-2021		
Executed by:		Executed Date:		
Short description: The system will close the user session				
Pre-conditions: <ul style="list-style-type: none">• Users must be logged in before these steps.				
Serial	Action	Response	Pass/Fail	Comment
1	Hit Log Out Button	Session ended.	pass	
2	Close Browser tab	Session ended.	pass	
Post-conditions: The user can log in again with username & password.				

CHAPTER 5

USER MANUAL

5.1 Registration



The image shows a registration form titled "JOBKOI" centered on a light gray background. The form is a white box with a thin border and contains the following fields and elements from top to bottom:

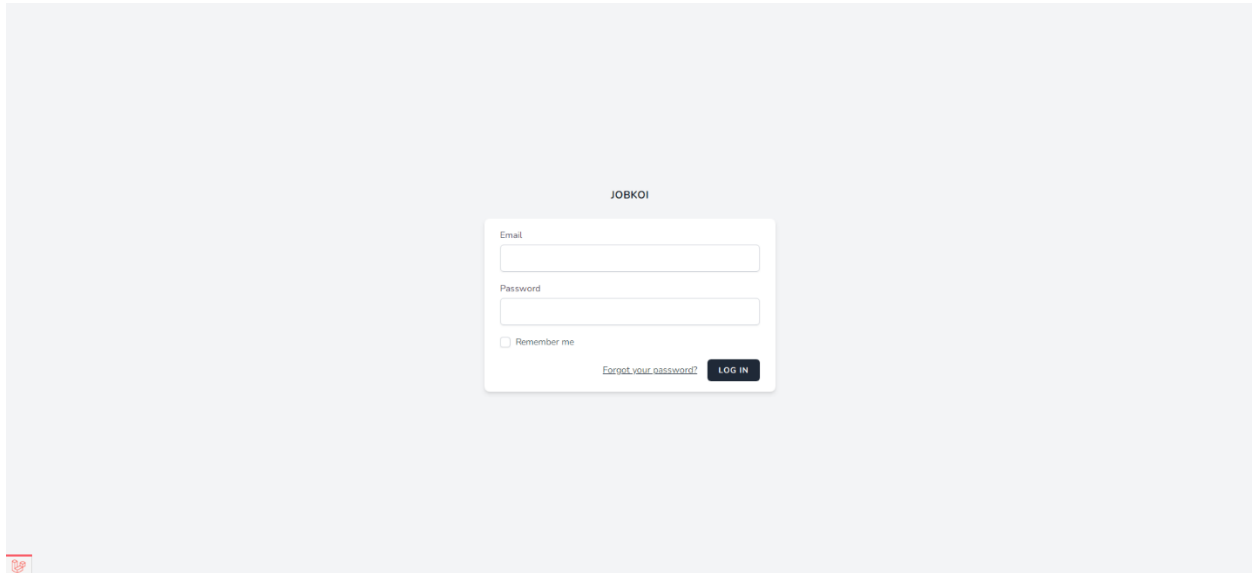
- Name:** A text input field with a vertical cursor on the left.
- Email:** A text input field.
- Password:** A text input field.
- Confirm Password:** A text input field.
- Your Valid Number:** A text input field.
- Your Birth Date:** A date picker field showing "mm/dd/yyyy" and a calendar icon on the right.
- Open Account As?:** A dropdown menu with "Freelancer" selected and a downward arrow.
- Footer:** A link "Already registered?" and a dark gray button with white text "REGISTER".

A small red logo is visible in the bottom-left corner of the page.

Figure 5.1: Registration

Figure 5.2: UI: Log In

5.2 Login



The image shows a login form for 'JOBKOI' centered on a light gray background. The form is a white box with a thin border. At the top center of the form, the text 'JOBKOI' is displayed. Below this, there are two input fields: 'Email' and 'Password'. Under the 'Password' field, there is a checkbox labeled 'Remember me'. At the bottom of the form, there is a link that says 'Forgot your password?' and a dark button with the text 'LOG IN' in white capital letters. In the bottom left corner of the overall image, there is a small red logo.

Figure 5.1: Login

5.3 Post a Job

The screenshot shows the 'Post a Job' page on the JobKoi website. The page has a navigation bar at the top with links for 'JOBKOI', 'Dashboard', 'Browse jobs', 'Post a job', and 'Ask a Question'. The main content area contains a form with the following sections:

- YOUR JOB TITLE:** A single-line text input field.
- YOUR JOB DESCRIPTION:** A large multi-line text area.
- ATTACH FILE (OPTIONAL):** A file upload section with a 'Choose Files' button and the text 'No file chosen'.
- PROJECT BUDGET:** A single-line text input field.

A blue 'Publish' button is located at the bottom left of the form area. The footer is dark and contains the following information:

- JobKoi** logo on the left.
- PRODUCT** links: Features, Integrations, Pricing, FAQ.
- COMPANY** links: Privacy, Terms of Service.
- DEVELOPERS** links: Developer API, Documentation, Guides.
- FOLLOW US** with social media icons for Facebook, Twitter, and GitHub.
- Copyright notice: © 2021 JobKoi. All rights reserved.

Figure 5.3: post a Job

5.4 Browse Job

The screenshot displays the 'Browse Jobs' interface on the JobKoi platform. At the top, navigation links include 'JOBKOI', 'Dashboard', 'Browse jobs', 'Post a job', and 'Ask a Question'. A user profile icon 'RK' is visible in the top right. The main content area features five job listings, each with a title, a brief description, and a 'Send Proposal' button. The listings are as follows:

- Job 1:** Title: **Sapiente commodi rem ut eos incidunt.** Price: **\$449**. Description: Quis illo ut dignissimos est. Laboriosam et eos consequuntur. Repudiandae laborum quae sequi laborum aut consequatur a. Ducimus magni fugit itaque et. Stats: 2 weeks ago, 5 Proposals, 10 Views, #34. User: Ofelia Ferry MD.
- Job 2:** Title: **Fugiat nesciunt pariatur mollitia non numquam est sunt ullam.** Price: **\$200**. Description: Voluptas voluptate vel et iusto omnis autem ullam. Repellendus beatae assumenda in commodi omnis neque. Eum et corporis qui maiores a doloribus. Facilis assumenda rerum itaque ad e... Stats: 2 weeks ago, 2 Proposals, 1 View, #28. User: Tamia Kutich.
- Job 3:** Title: **Exercitationem nihil exercitationem provident enim aperiam est perspiciatis.** Price: **\$251**. Description: Nulla molestiae odit et laborum ex et voluptatem. Et voluptatem vel nobis voluptatem rem perspiciatis officia. Aut illum illum sit non. Stats: 2 weeks ago, 4 Proposals, 0 Views, #29. User: Tamia Kutich.
- Job 4:** Title: **Aspernatur quis sed facere ipsa.** Price: **\$125**. Description: Libero perferendis quibusdam officis eos. Voluptatem autem qui est ipsum porro maiores ut nemo. Perspiciatis dignissimos quia ratione facilis sit eius voluptate. Stats: 2 weeks ago, 5 Proposals, 0 Views, #30. User: Tamia Kutich.
- Job 5:** Title: **Dignissimos iusto omnis vel nam eos beatae.** Price: **\$240**. Description: Voluptatibus modi non molestiae voluptatibus consequatur qui molestiae. Possimus culpa impedit magni voluptate necessitatibus consequatur. Sed dolores eveniet libero et autem bland... Stats: 2 weeks ago, 5 Proposals, 0 Views, #31. User: Tamia Kutich.

Below the listings is a pagination control showing a sequence of numbers from 1 to 9, with the first page selected. The footer contains the JobKoi logo, navigation menus for 'PRODUCT', 'COMPANY', 'DEVELOPERS', and 'FOLLOW US', and a copyright notice: '© 2021 Jobkoi. All rights reserved.'

Figure 5.4: Browse Jobs

5.5 Send Proposal

JOBKOI Dashboard Browse Jobs Post a Job Ask a Question

Posted By: **Ofelia Ferry MD**

[Send proposal](#)

or

[Back to browse](#)

Sapiente commodi rem ut eos incidunt.

2 weeks ago 5 Proposals Project ID: #34

5 People have already sent a proposal.

Description:

Quis illo ut dignissimos est. Laboriosam et eos consequuntur. Repudiandae laborum quae sequi laborum aut consequatur a. Ducimus magni fugit itaque et.

New Proposal:

ENTER YOUR PROPOSAL DETAILS

Provide general info about your proposal

BUDGET

[SUBMIT](#)

Total 5 Proposals

JobKoi

PRODUCT
Features
Integrations
Pricing
FAQ

COMPANY
Privacy
Terms of Service

DEVELOPERS
Developer API
Documentation
Guides

FOLLOW US

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Figure 5.5: Send proposal

5.6 Workstream

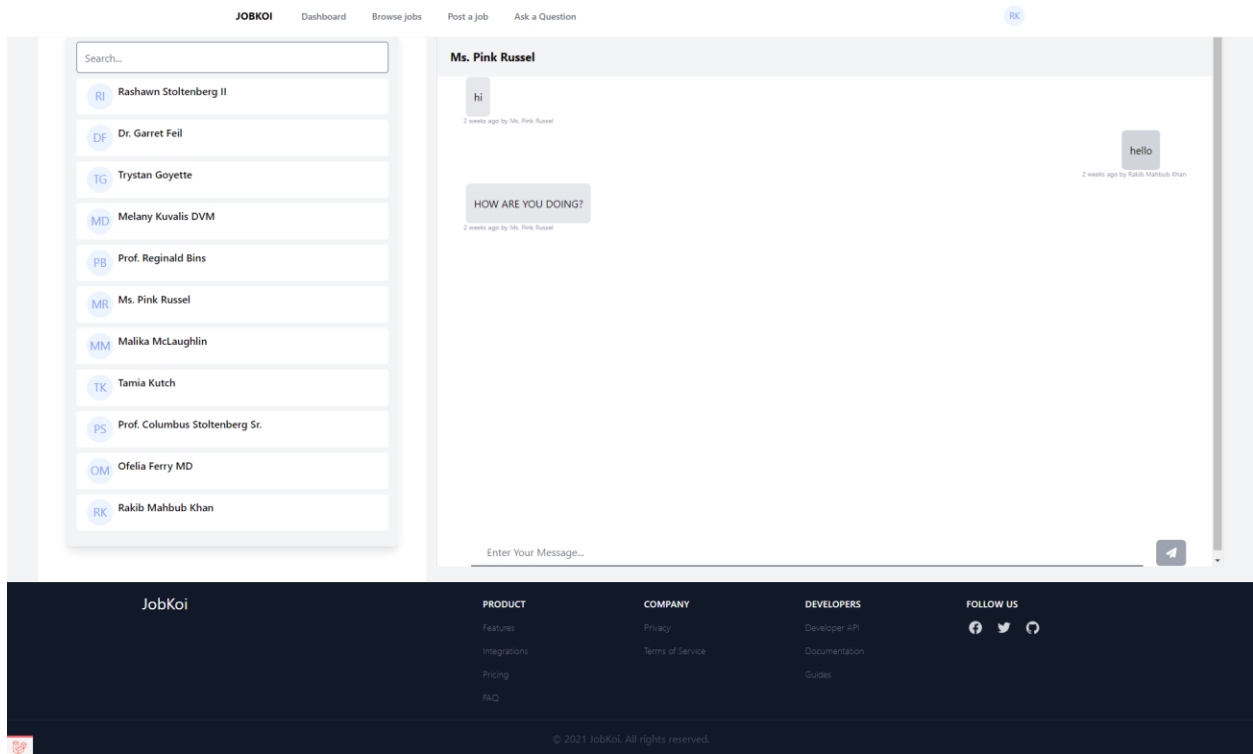


Figure 5.8: Workstation

5.7 Ask a Question

The screenshot displays the 'Ask a Question' page on the JobKoi website. The page features a navigation bar at the top with links for 'JOBKOI', 'Dashboard', 'Browse jobs', 'Post a job', and 'Ask a Question'. A user profile icon is visible in the top right corner. The main content area is titled 'All Questions' and contains a list of four questions, each with its title, a brief description, and interaction statistics.

Question 1: What is Parameter Temparing?
Hello there,I have a problem in here
[[\$question->votes_count." ", Str:plural('vote', \$question->votes_count)]]
1 week ago
-1 vote | 0 answers | 39 Views
Buttons: Edit, Delete

Question 2: Hello there any coffie shop avaliable?
use Parsedown; use Parsedown; use Parsedown; use Parsedown; use Parsedown; use Parsedown; use Parsedown; use Parsedown; use Parsedown; use Parsedown; use Parsedown; u...
1 week ago
0 votes | 0 answers | 4 Views
Buttons: Edit, Delete

Question 3: What is the deep meaning of hard work?
Hello
1 week ago
0 votes | 0 answers | 7 Views
Buttons: Edit, Delete

Question 4: What is URL Manipulation?
URL manipulation, also called URL rewriting, is the process of altering (often automatically by means of a program written for that purpose) the parameters in a URL. (Uniform Res...
1 week ago
1 vote | 7 answers | 105 Views
Buttons: Edit

The footer contains the JobKoi logo, navigation links for 'PRODUCT' (Features, Integrations, Pricing, FAQ), 'COMPANY' (Privacy, Terms of Service), 'DEVELOPERS' (Developer API, Documentation, Guides), and 'FOLLOW US' with social media icons. A copyright notice '© 2021 JobKoi. All rights reserved.' is also present.


Figure 5.7: Ask a question


5.8 Answer Question


[JOBKOI](#) [Dashboard](#) [Browse jobs](#) [Post a job](#) [Ask a Question](#) RL

What is URL Manupulation?

[Back to all Questions](#)


 URL manipulation, also called URL rewriting, is the process of altering (often automatically by means of a program written for that purpose) the parameters in a URL (Uniform Resource Locator). URL manipulation can be employed as a convenience by a Web server administrator, or for nefarious purposes by a hacker. This is small text
Click the button to display an alert box.



1  Try it

 1


asked 2 weeks ago
Rakib Mahbub Khan



2 Answers

 URL manipulation, also called URL rewriting, is the process of altering (often automatically by means of a program written for that purpose) the parameters in a URL (Uniform Resource Locator). URL manipulation can be employed as a convenience by a Web server administrator, or for nefarious purposes by a hacker. An example of the constructive use of this technique is allowing an Internet user to access a Web site that has a complicated URL by entering a simpler URL into the address bar of a Web browser. The URL manipulation redirects the request so the user does not have to remember, manually enter, or meticulously cut and paste a long, arcane character string. An example of malicious URL manipulation is its implementation, without the knowledge of the affected server administrator or Internet user, for the purpose of redirecting user requests from a legitimate site to an illegitimate site. The bogus site may then install rogue code on the user's hard drive.

2  

answered 2 weeks ago
Ms. Pink Russel

 URL manipulation, also called URL rewriting, is the process of altering (often automatically by means of a program written for that purpose) the parameters in a URL (Uniform Resource Locator). URL manipulation can be employed as a convenience by a Web server administrator, or for nefarious purposes by a hacker. An example of the constructive use of this technique is allowing an Internet user to access a Web site that has a complicated URL by entering a simpler URL into the address bar of a Web browser. The URL manipulation redirects the request so the user does not have to remember, manually enter, or meticulously cut and paste a long, arcane character string. An example of malicious URL manipulation is its implementation, without the knowledge of the affected server administrator or Internet user, for the purpose of redirecting user requests from a legitimate site to an illegitimate site. The bogus site may then install rogue code on the user's hard drive.

-1  

URL manipulation differs from URL poisoning , also known as location poisoning. That is a method of tracking Web user behavior by automatically adding an identification (ID) number to the URL line of the Web browser when a user visits a particular site. This ID number can then be used to determine which pages on the site the user visits thereafter. This is small text

[Edit](#) [Delete](#)

answered 2 weeks ago
Rakib Mahbub Khan

YOUR ANSWER

Submit

[JobKoi](#)

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[Features](#)
[Integrations](#)
[Pricing](#)
[FAQ](#)

COMPANY
[Privacy](#)
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DEVELOPERS
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[Guides](#)

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Figure 5.8: Answer Question

5.9 User Profile

JOBKOI Dashboard Browse jobs Post a job Ask a Question

J O B K O I

RK
Rakib Mahub Khan
Contact

Web App Developer
Dhaka, Bangladesh
Bengali and English speaking

I'm specialized in Website frontend and backend issues, Developing Wordpress themes, Wix, Laravel web application etc. Besides them, I have also some other skills like Photoshop work, designing logos, info-graphics, emails, flyers, social media designs etc. I have 3 years experience in the field and committed to deliver you high-quality work in the least possible turnaround time.

9.5/10

SKILLS
Industry expertise: IT, Software and Technology

INSIGHTS
Freelancer
Is active

Advanced Setting

PORTFOLIO

STAY AT HOME
DAYS 30 LEFT
BUSINESS
YOUR NAME
BUSINESS NAME
YOUR NAME

FEEDBACK

Mary T.
9.5/10
Sapient consequat eleifend!
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

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Integrations
Pricing
FAQ

COMPANY
Privacy
Terms of Service

DEVELOPERS
Developer API
Documentation
Guides

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f t


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Figure 5.9.1: User Profile

JOBKOI Dashboard Browse jobs Post a job Ask a Question RK

Profile Information
Update your account's profile information and email address.

Photo



SELECT A NEW PHOTO

Name
Rakib Mahbub Khan

Email
rakibmahbubkhan@gmail.com

SAVE

Update Password
Ensure your account is using a long, random password to stay secure.

Current Password

New Password

Confirm Password

SAVE

Two Factor Authentication
Add additional security to your account using two factor authentication.


You have not enabled two factor authentication.

When two factor authentication is enabled, you will be prompted for a secure, random token during authentication. You may retrieve this token from your phone's Google Authenticator application.

ENABLE

Browser Sessions
Manage and log out your active sessions on other browsers and devices.

If necessary, you may log out of all of your other browser sessions across all of your devices. Some of your recent sessions are listed below; however, this list may not be exhaustive. If you feel your account has been compromised, you should also update your password.

 Windows - Chrome
127.0.0.1, This device

LOG OUT OTHER BROWSER SESSIONS

Delete Account
Permanently delete your account.

Once your account is deleted, all of its resources and data will be permanently deleted. Before deleting your account, please download any data or information that you wish to retain.

DELETE ACCOUNT

JobKoi

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- Developer API
- Documentation
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Figure 5.9.2: User profile

CHAPTER 6

CONCLUTION

6.1 Project Summary

JOBKOI is the open-source platform that will help our youths to gain the achievements that they are skilled for. This platform is also a big support for the knowledge gainers who stuck in a middle of work and couldn't get any supports to complete their tasks. This will work for each buyer, seller and the fresh new commers. This system will work as a medium for the service provider and the consumer. The consumer will post the services he/she wants and the service provider will serve the service. They will contact each other by private chat/email/phone. The both users can also be a part of the Q&A section, where they can ask anything and other users can answer those questions. Using this system, the users will have a flexible experience in their freelancing career.

6.2 Limitations

In my project, there are some limitations. That is:

- It is only now a web-based system application; no mobile application or desktop application is not developed yet.
- This system doesn't have any payment gateway.
- This system is still under development, so many features can run inappropriately.

6.3 Future Scope

In this system, many features can be added in the future. These are:

- A mobile application can be developed.
- Payment Gateway will be added.
- A lot of new updates will be shown for user's flexibility.

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PLAGIARISM REPORT

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