

Micro-jobs for Bengali People

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

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APPROVAL

This Project title “**Micro-jobs for Bengali People**”, submitted by Shourov Gharami. ID No:171-15-1342 And Md. Redowan Ahmed Hridoy, ID No:171-15-1303 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 14 September 2022.

BOARD OF EXAMINERS



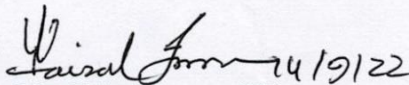
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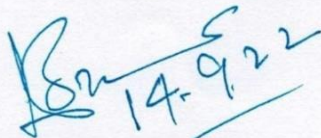
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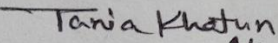
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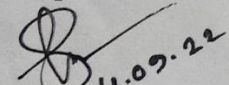
We hereby declare that, this project has been done by us under the supervision of **Tania Khatun, Assistant Professor, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or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

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ABSTRACT

Our project is about Development of Web-based Micro-jobs for Bengali folks. It will facilitate folks to earn cash and develop their talent throughout idle time. For doing these activities we've used VS code editor, PHP code, java script code, html 5 code, CSS code in window software package. We will see to it that the facilities are top-notch for both local clients and job searchers. We want to reduce the amount that unemployed people rely on their relatives. This online market place for work, we have a tendency to offer businesses associate degreed developers access to an on-demand ascendable force. employees will work home and build cash. We predict that it can be a gorgeous web site for All folks to create up their career before getting in the duty sector. For this project it's going to be explored to a replacement dimension to create it additional fascinating and difficult.

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CHAPTER 1

Introduction

1.1 Introduction:

Many people may find freelancing to be a fashionable job option. But although though a freelance profession can be freeing in some respects, it's also a pretty difficult path to take. Not everyone appears to be compatible with the current mode of operation.

To be successful as a contract skilled, one needs to possess a number of personality qualities and natural proclivities. In this instance, a web-based application where peoples will work is being created. They will grow their talents across many platforms as a freelancer and make some money.

In our web-based application, we are looking for people who are free. To work as a freelancer, one needs expertise in a certain field. We want to build a website that allows users to search for both online and offline jobs. We will see to it that the facilities are top-notch for both local clients and job searchers. We want to reduce the amount that unemployed people rely on their relatives.

1.2 Project Motivations:

The primary goal of this effort is to free the scholars from their reliance on their families. In our nation, every people is financially dependent on their family, which is both terribly embarrassing for them and a hardship for their families. It becomes much simpler to manage the family for his or her parents if they start to make money while still in school.

On the other side, we frequently observe graduate peoples struggling to find adequate compensation for their lack of skill. Because of this, we often assume that if kids start working while still in school, they will both be able to enhance their skills and get ready for the workforce.

Another significant move is getting rid of state disadvantages in our nation. We are all aware of the large number of graduate peoples looking for work but who have been unsuccessful. In this situation, they will work as a freelancer, bring in some money, and

get the respect of their household as the breadwinner. This project can make it easier for both people and customers to obtain information, complete tasks on time, and ensure accurate payments.

1.3 The Project's Edges:

1. Work autonomy
2. Resolution State Limitation
3. Adaptability in planning
4. Easy payment
5. Quality, affordable service for customers

1.4 Purposes:

1. Peoples can move their profiles, including information about their talents.
2. By looking at the people profiles, buyers will get a good idea.
3. Buyers will incorporate their favorite unfinished work.
4. Online work will be used for all tasks.
5. The people will see the work that the buyers have made available.
6. Bkash can be used to finish all payments.

1.5 Clients Portal:

Everyone has access to all options on this website. Customers can post works for freelancers, build payments, view freelancers' profiles and total projects on the website. They can also provide feedback on the freelancers and grade their work quality.

1.6 Admin Portal:

The admin panel can management the admin portal. The admin panel has the flexibility to approve or deny any registration request, approve consumer job postings and verify their data, approve consumer payments, read each freelancer and consumer profiles, and take action to delete any suspected accounts from the info if there are any allegations against any of them.

1.7 Freelancer Portal:

The freelancer will view job postings from various clients, submit their application, publish their work, receive payment via BKash, and provide client feedback. Additionally, they'll edit their talents, pay per hour, and profile.

1.8 Expected Outcome:

1. Work autonomy
2. Identifying state drawbacks
3. Programming adaptability
4. Simple Payment
5. Quality, affordable service for consumers

1.9 Synopsis:

In this chapter, our aims got brutally obvious and that we have specified the system developments of life cycle and that we are pursuing that.

CHAPTER 2

Backgrounds

2.1 Introduction:

We employed a variety of software programs to make this Web-based Micro-job platform for all Bengalis possible, including Elegant Text for covert writing, XAMP for information, and Adobe Photoshop for photo redaction.

2.2 The Development Introductory:

This project is primarily backed by MySQL data, which will be used to create an online application in raw php code, html code, css code, java script code, bootstrap code and online script.

2.3 Database Platform:

We needed a platform to hold all the information in this project. As a result, we employed a MySQL information server for store all the data.

2.4 Database Introduction:

Information is regarded as gathered data that has been structured for simpler access, administration, and diverse alteration. We need first have a background understanding of what exactly a DATA is before delving further into the topic of databases.

Knowledge is frequently described as a collection of facts and records that we may use to support reasoning, lively conversation, or calculations. The information is often readily available and abundant. It is frequently used to process some useful information from it. Additionally, is frequently redundant and unnecessary. Knowledge will be provided in a range of visualizations, reports, tables, texts, etc. that represent all forms of data and that make it simple to get, update, analyze, and produce data from a consistently structured or organized store of indexed information. The information is often readily available and abundant. It is frequently used to process some useful information from it. Additionally, is frequently redundant and unnecessary. Knowledge will be provided in a range of visualizations, reports, tables, texts, etc. that represent all forms of data and that make it simple to get, update, analyze, and produce data from a consistently structured or organized store of indexed information.

2.5 Scopes:

The project's goal is to supply shoppers with a large vary of amenities in an exceedingly very little quantity of your time. It offers freelancers a range of comes to select from, and that they could use these jobs as platforms for his or her specific skills. On the opposite facet, the client has the choice of choosing the perfect freelancer to accomplish the task to his specifications. nobody can steal their info from this website, and everything are going to be saved. because of the actual fact that the system is employed to store knowledge through a centralized server that contains a info and prevents unauthorized access to non-public knowledge.

2.6 A Practicability Study:

To determine if the intended system is feasible in light of the technical, operational, and economic elements, a study of practicability is used. The benefits and drawbacks of the system will be clear to us while doing a practicability analysis.

Technological Possibility:

The intended website is created using HTML code, CSS code, Javascript code, PHP code, and MySQL. The website was created in such a manner that it could function on any quiet computing device.

Operational Feasibility:

A system's operational practicability may be used to gauge how successfully it resolves problems. One significant drawback of the People's Republic of Bangladesh is intended to be eliminated by our proposed approach. State disadvantage. exploitation of our website A number of inactive pupils will start knowing lives. Through our website, they will be able to assist their family while also earning money.

CHAPTER 3

Perception With Classification:

3.1 Introduction:

The method of compiling and evaluating requirements has been mentioned. Additionally, there are discussions on use-case models, logical information models, and several project-related subjects.

3.2 Hardware Requirements Are:

1. Processor speed: at least 1 GHz
2. RAM: 1 GB or more
3. Any HDD
4. Above i3, 3rd generation processor

3.3 Software Requirements Are:

1. HTML5
2. CSS
3. Text Editor (VS code text, notepad++)
4. Internet Browser
5. SQL Server
6. PHP
7. Bootstrap

3.4 UML Diagram:

We'll talk about Our UML diagram here. Our UML diagrams will clearly explain how our website works and get jobs done.

3.5 Use case Illustration:

Here is our website's Use-case diagrams are.

- ◆ Admin approve profiles via verifying CV, approve job posts, approve payments.

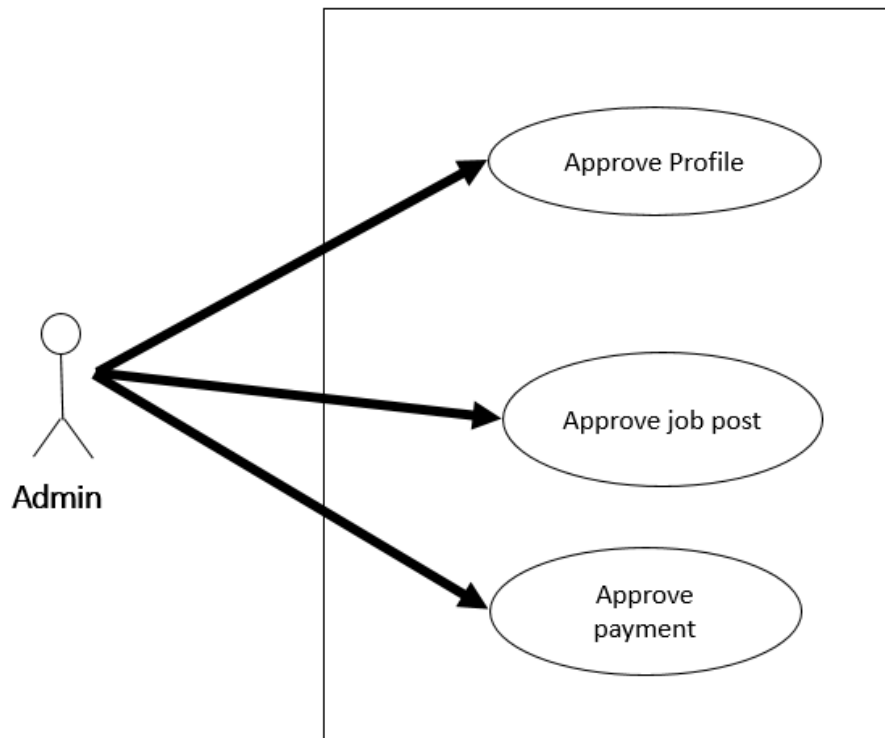


Figure 3.5.1: The use-case diagrams for the admin panel are shown.

- ◆ Freelancer do registration, manage profile, view job post, upload work, get payment.

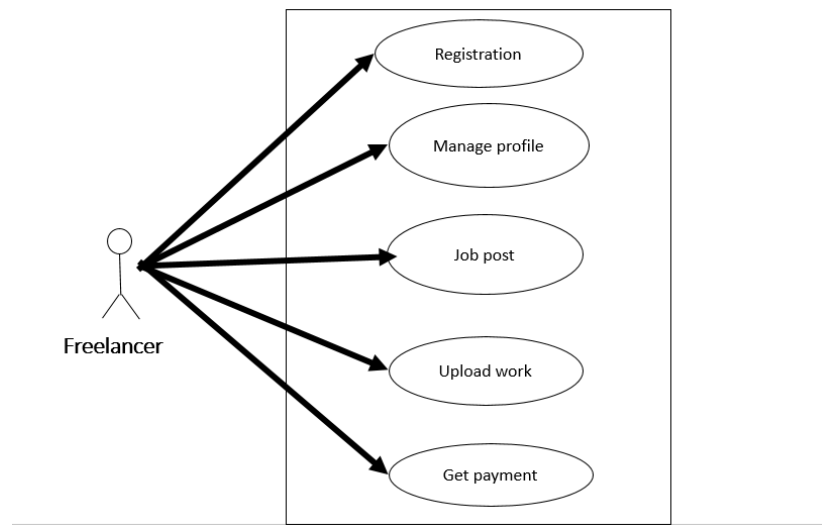


Figure3.5.2: Use case diagram of freelancer.

- ◆ Buyer do register, search freelancer, place order, cancel order, make payment and send payment information through help line chat box.

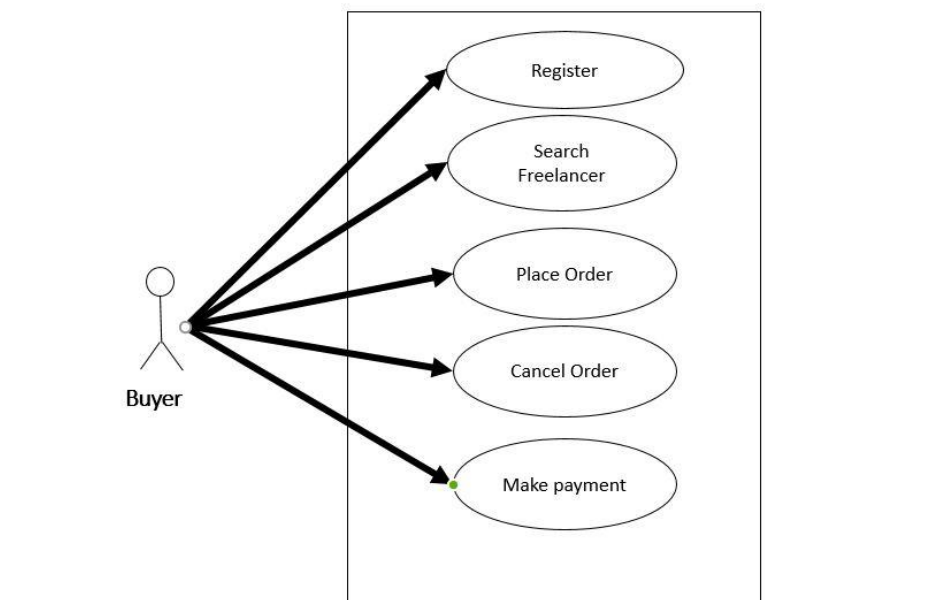


Figure3.5.3: Use-case diagram of buyer.

3.6 Description of The Use case Diagram:

The contexts and requirements of either the entire systems or just the key components of the systems are illustrated and outlined in the use-case diagram.

One use-case diagram can be used to represent a sophisticated system, or you can create many use-case diagrams to model the various components of the system.

Use-case diagrams are often created in the early stages of a project and discussed with them throughout the event process.

3.7 Data Flow of Diagrams:

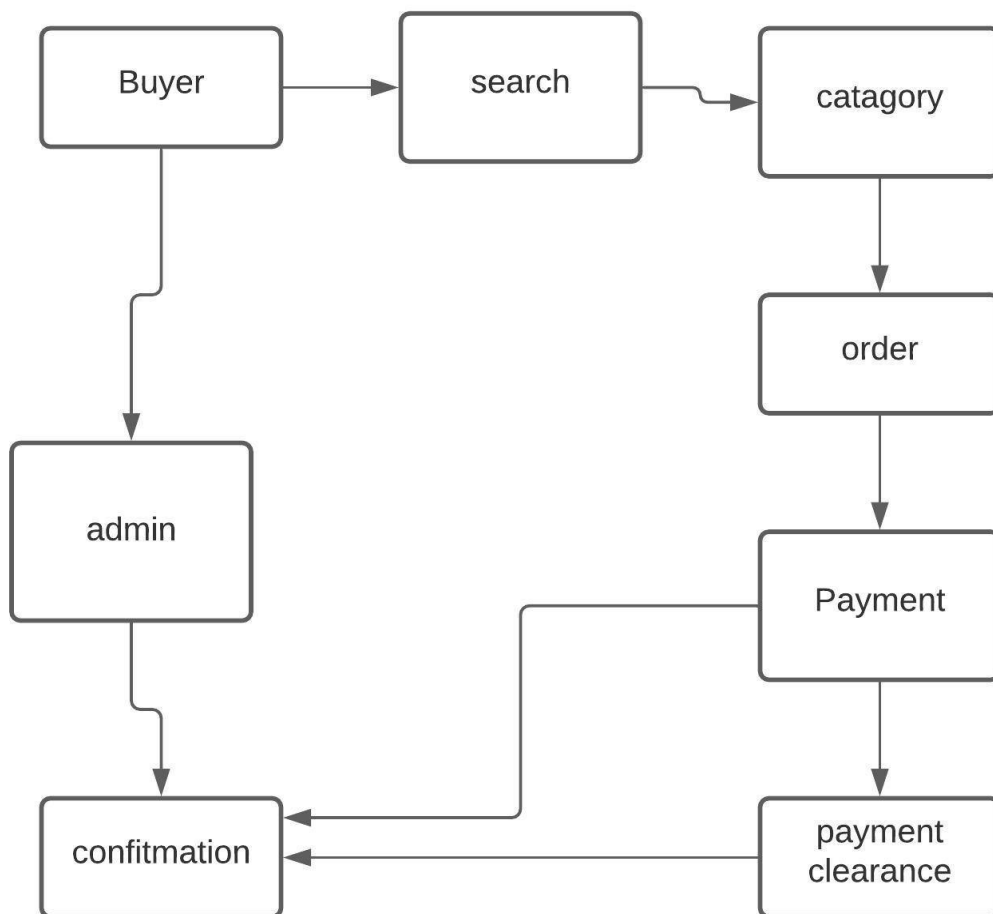


Figure 3.7.1: Data Flow Diagram of client order job and doing payment to the freelancer.

3.8 Designs Requirement:

The website's style is formed victimization on CSS (Cascade stylesheet). It's applied to manage the website's style. It additionally regulates numerous crucial parts that square measure crucial, like text colors, font sizes, layouts placements, view demands, etc. To make an impressive web site, bootstrap should be used. to make the web site,

We tend to used Bootstrap and CSS to make the best Programming as possible, those square measure crucial.

3.9 Summary:

In this section of the report, we have described all the use-case diagrams needed for the website and the diagrams portray the website briefly as well.

CHAPTER 4

Designs And Specifications

4.1 Frontends Design:

Bright and beautiful user-interface design has been created using HTML code, CSS code, and Bootstrap code.

4.2 Backends Design:

In the backends design, we have an Admin Panel.

4.3 Home Page:

- ◆ Our web site home page, with helpline chat box, login window and signup page link.

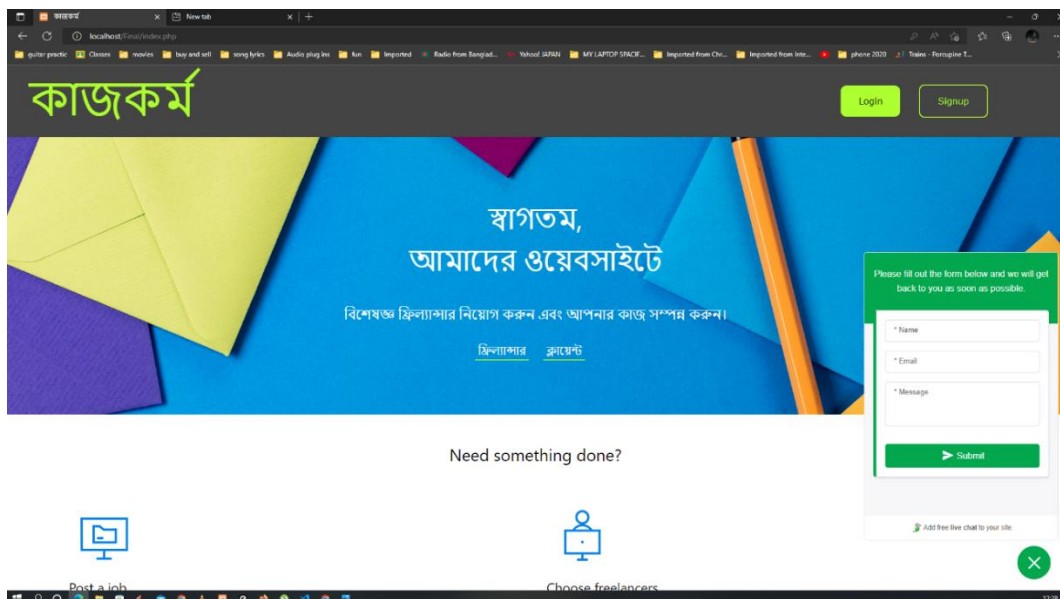


Figure 4.3.1: Home page with chat box.

- ◆ Bottom bar with our website copyright and information.

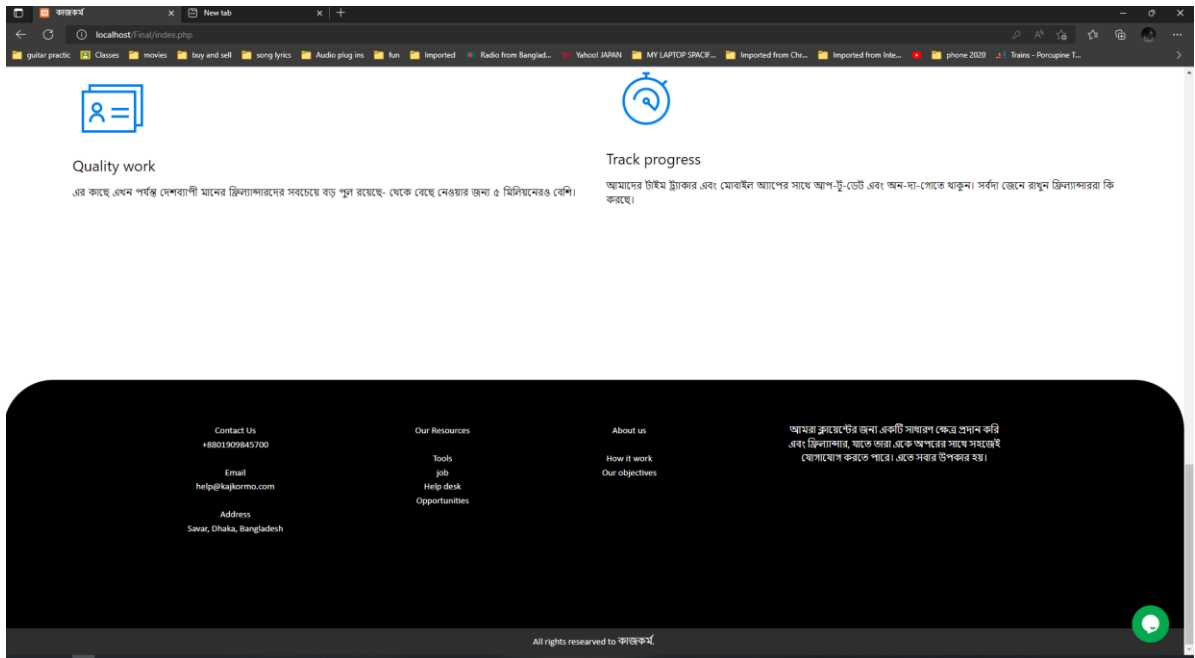


Figure 4.3.2: Home page end view.

4.4 Log-in Window:

- ◆ Login window for all user.

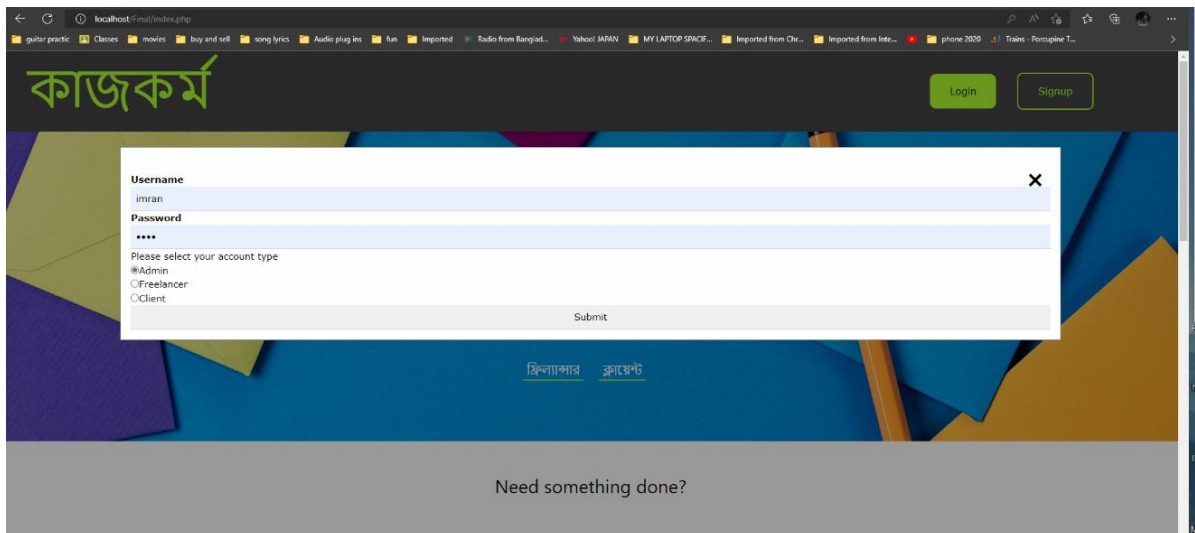


Figure 4.4.1: Login page for all user.

4.5 Freelancer Profile:

- ◆ Job’s view with apply button and profile current user’s information.

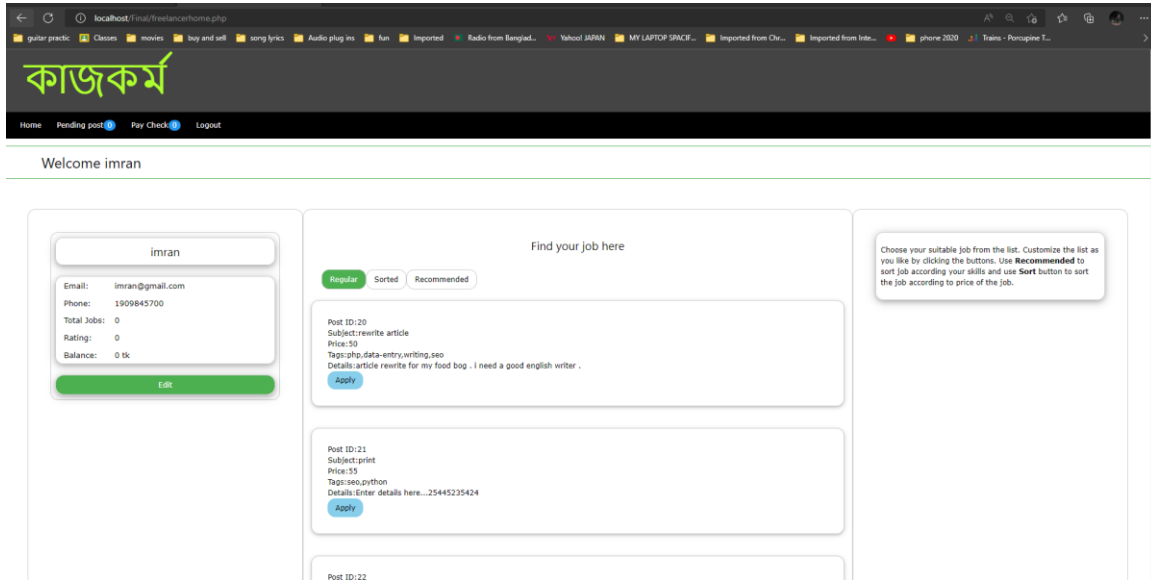


Figure 4.5.1: Freelancer profile and job view.

4.6 Admin Panel:

- ◆ Admin home with new request update + users information desk.

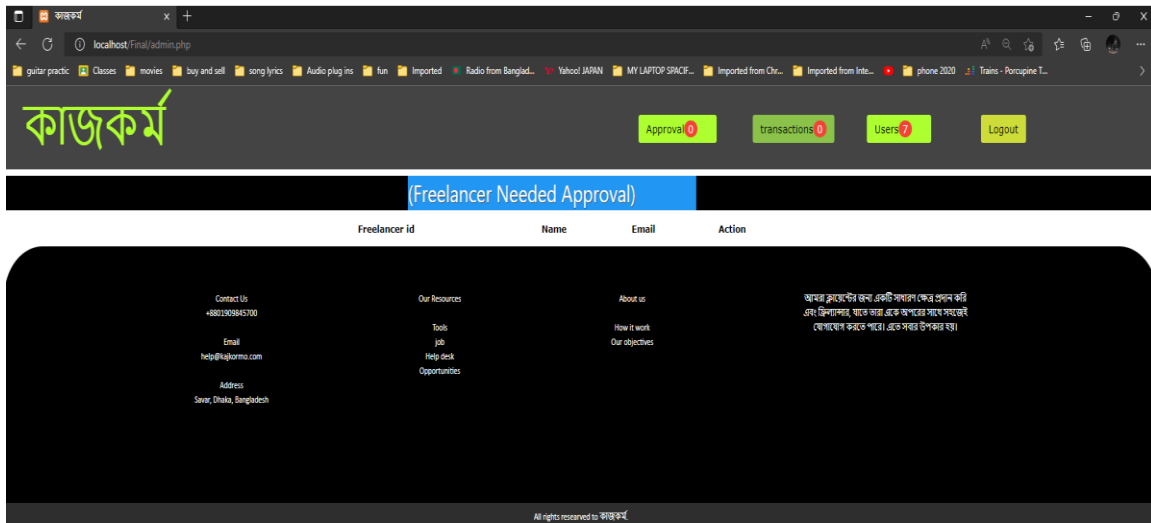


Figure 4.6.1: Admin Panel New Freelancer Request view.

4.7 Clients Page:

- ◆ Client will post new jobs, view freelancer list, do payment after job.

localhost: mac/clientshome.php

Home Payment Job Application Submission Go View users Your posts Logout

Welcome mahadi

New here ! Post a job.

Task Name

Price

Enter details of the job
Enter details here...

Choose category for this task

English Mathematics Higher Math Accounting Marketing Article writing
 Marketing Computer Fundamental Physics Social Science Programming Language MySql Research
 Java C++ Programming Java Python

Submit

Contact Us
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Email

Our Resources
Tools
Job

About us
How it work
Our objectives

সমস্ত প্রকল্পের জন্য একটি প্ল্যাটফর্ম থেকে প্রাপ্ত হলি
এক ডেভেলপার, যিনি তার নিজস্ব কাজের সাথে প্রকল্পের
কোনোমতে কাজ করে। এতে কাজের উপস্থিতি নেই।

Figure 4.7.1: Job posting page.

- ◆ Client Accept job requests by viewing profile and cost/hour.

Home Job Application Submission Go View users Your posts Logout

mahadi here is your applicant list

Post ID:21 Subject:print Applicant Info Username:imran Email:imran@gmail.com Phone:1909845700 Address:dhaka, bangladesh Profile Accept
Post ID:22 Subject:pdfppp Applicant Info Username:1 Email:1@1.com Phone:1 Address:1ghnohghghnoh Profile Accept
Post ID:30 Subject:rewrite article Applicant Info Username:1 Email:1@1.com Phone:1 Address:1ghnohghghnoh Profile Accept

Figure 4.7.2: Job Applications list.

◆ Client view of freelancer list.

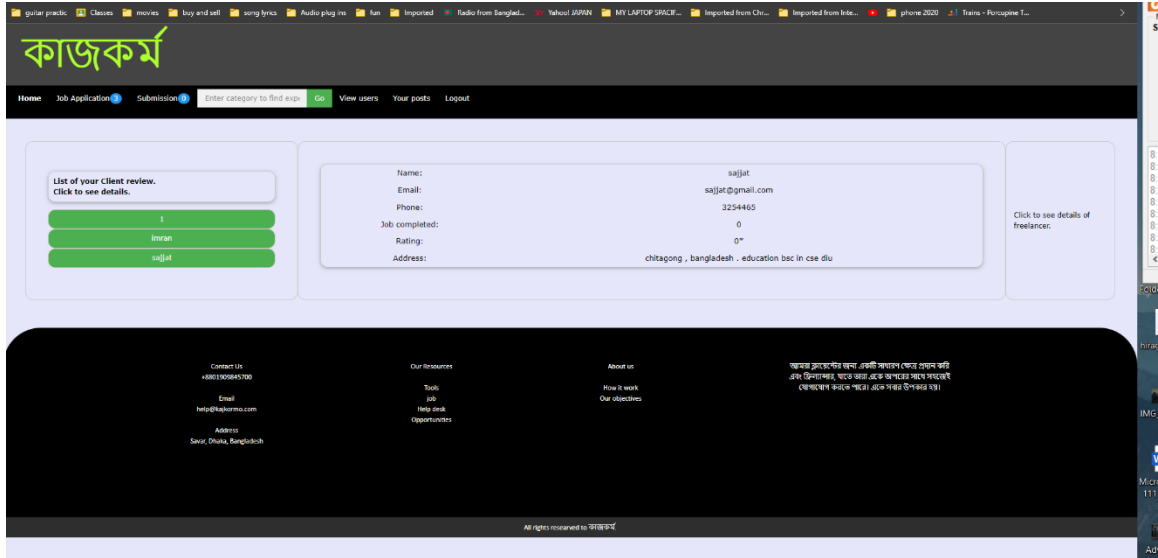


Figure 4.7.3: Buyer view of freelancer list.

◆ Payment method of payment page.

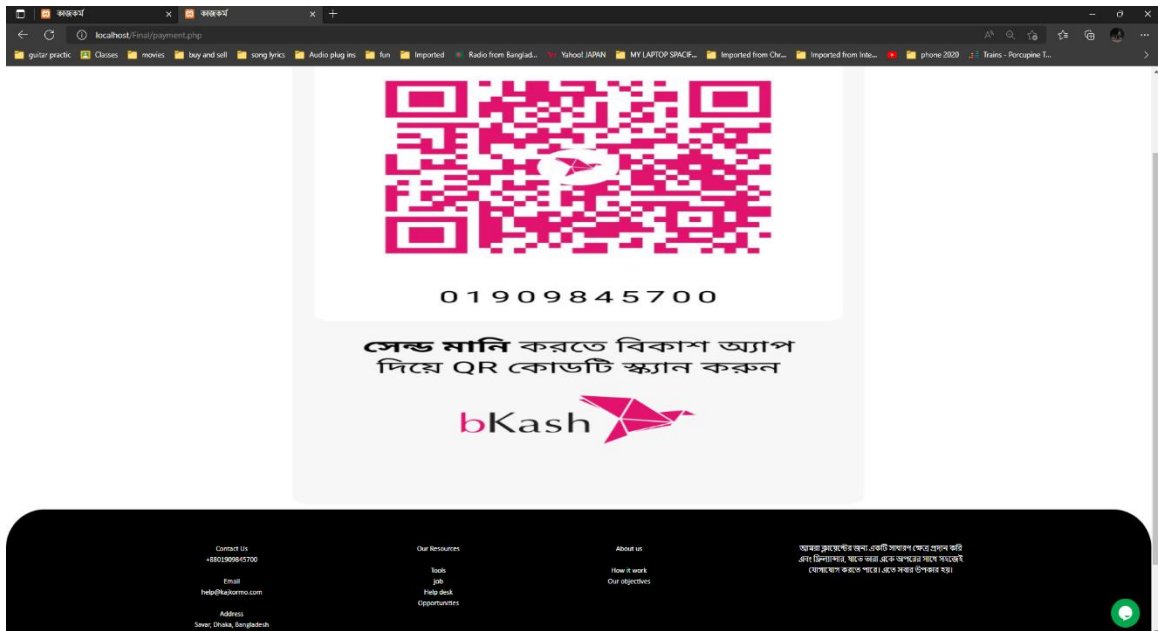


Figure 4.7.4: Payment.

4.8 Database:

- ◆ Backend database for clients, freelancers, job applications, posts, transaction table, users.

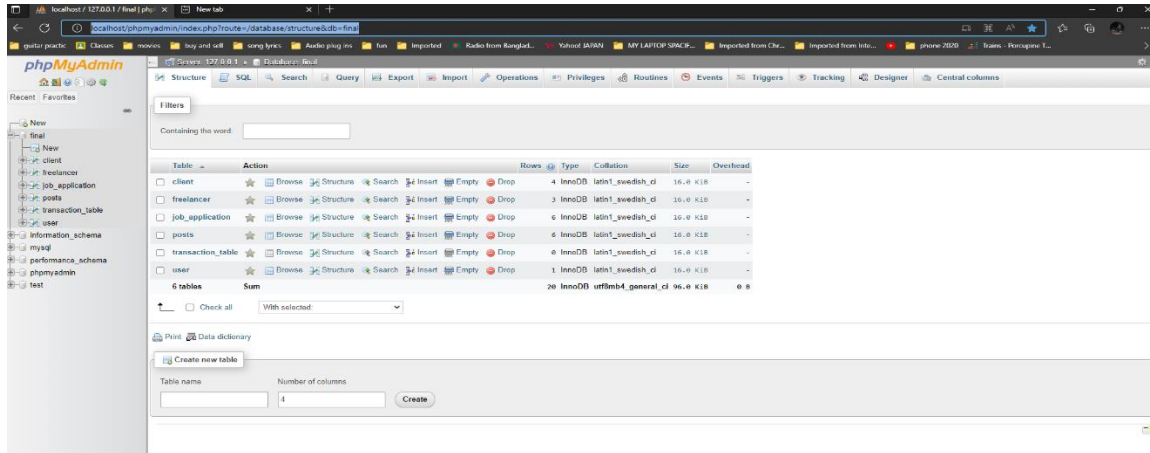


Figure 4.8.1: Database.

4.9 Screen Shorts of codes:

Index.php:

- ◆ Our web site's code for home page, with helpline chat box, login window and signup page link.

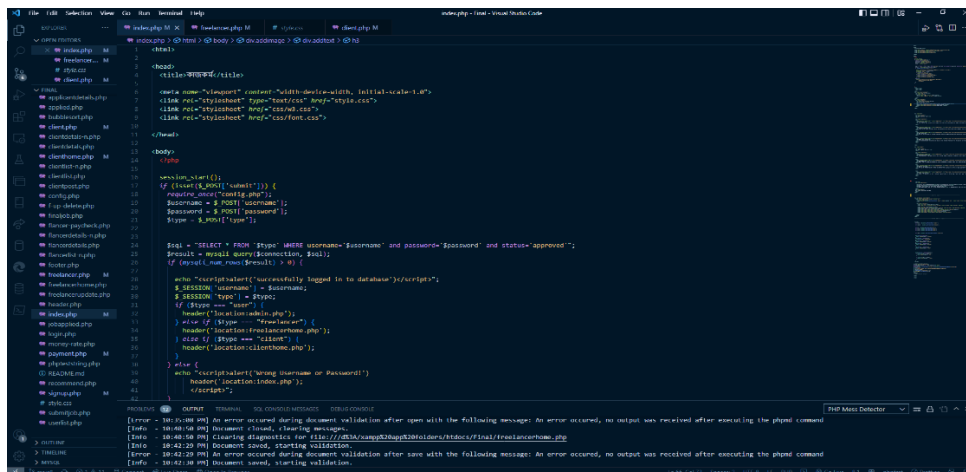


Figure 4.9.1: Index.php

freelancer.php:

- ◆ Freelancer page code of job's view with apply button and profile current user's information.

```
freelancer.php M
1 <html>
2 <head>
3 <title>FREELANCER</title>
4 <meta name="viewport" content="width=device-width, initial-scale=1.0">
5 <link rel="stylesheet" type="text/css" href="style.css">
6 <link rel="stylesheet" href="css/w3.css">
7 <link rel="stylesheet" href="css/font.css">
8 </head>
9 <body>
10 <php
11 {
12     if(isset($_POST['submit']))
13     {
14         require_once('config.php');
15         $name=$_POST['name'];
16         $dob=$_POST['dob'];
17         $gender=$_POST['gender'];
18         $email=$_POST['email'];
19         $username=$_POST['username'];
20         $password=$_POST['password'];
21         $phone=$_POST['phone'];
22         $address=$_POST['address'];
23         $category=$_POST['category'];
24         $skills=$_POST['skills'];
25         $jobs_completed=$_POST['jobs_completed'];
26         $review=$_POST['review'];
27         $total_rating=$_POST['total_rating'];
28         $status=$_POST['status'];
29         $result=mysqli_query($connection,$sql);
30         if($result)
31         {
32             echo "successfully inserted to database";
33             header("location:index.php");
34         }
35         else
36         {
37             echo "sorry try again";
38             echo "<script type='text/javascript'> alert('sorry try again'); </script>";
39         }
40     }
41 }
42 </php>
43 </body>
44 </html>
```

Figure 4.9.2: freelancer.php

Client.php:

- ◆ Clients home page for post new jobs.

```
client.php M
1 <html>
2 <head>
3 <title>FREELANCER</title>
4 <meta name="viewport" content="width=device-width, initial-scale=1.0">
5 <link rel="stylesheet" type="text/css" href="style.css">
6 <link rel="stylesheet" href="css/w3.css">
7 <link rel="stylesheet" href="css/font.css">
8 </head>
9 <body background="images/bg4.jpg" style="background-size: cover;">
10 <php
11 {
12     if(isset($_POST['submit']))
13     {
14         require_once('config.php');
15         $name=$_POST['name'];
16         $dob=$_POST['dob'];
17         $gender=$_POST['gender'];
18         $email=$_POST['email'];
19         $username=$_POST['username'];
20         $password=$_POST['password'];
21         $phone=$_POST['phone'];
22         $address=$_POST['address'];
23         $profession=$_POST['profession'];
24         $company=$_POST['company'];
25         $jobs_completed=$_POST['jobs_completed'];
26         $review=$_POST['review'];
27         $total_rating=$_POST['total_rating'];
28         $status=$_POST['status'];
29         $result=mysqli_query($connection,$sql);
30         if($result)
31         {
32             echo "successfully inserted to database";
33             header("location:index.php");
34         }
35         else
36         {
37             echo "sorry try again";
38         }
39     }
40 }
41 </php>
42 </body>
43 </html>
```

Figure 4.9.3: Client.php

README.md

- ◆ website information.

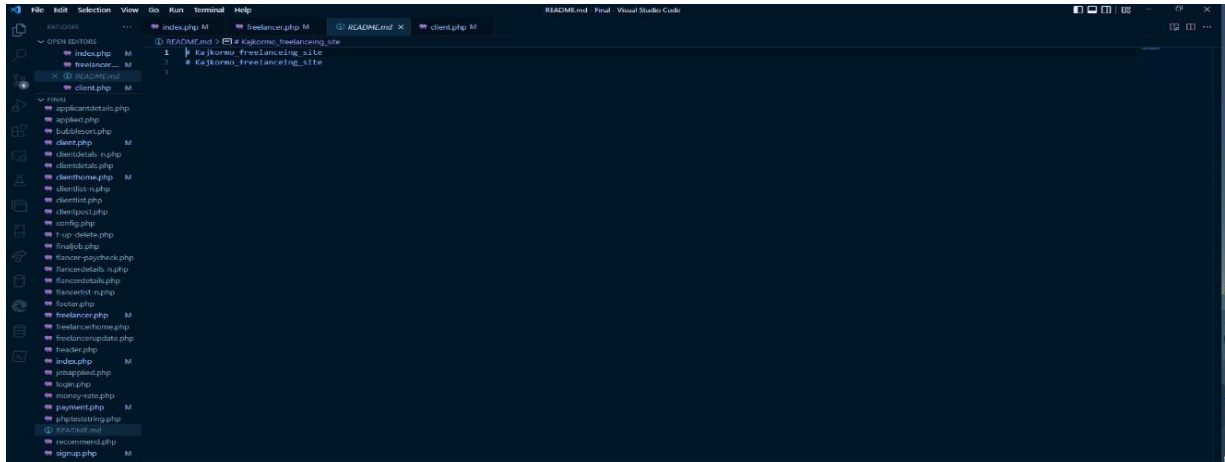


Figure 4.9.4: README.md.

Payment.php:

- ◆ Code of payment method page.



Figure 4.9.5: Payment.php.

CHAPTER 5

Project Testing And Development

5.1 Introduction:

I will evaluate how can I use those plans. In my project, I'll provide side and back performance. Every execution would desire to have altered figures.

5.2 Database:

The system's backend information is presented in section 5.2 of the specification.

5.3 Back-end Implementation and Style:

Because of this, my management program is mostly internet-based. A few people now using the front-quit format, because there are some. Therefore, I even have a markup language topic and CSS for the front-end execution for my internet-based problems.

5.4 Examine the Execution:

Because this is an online project, testing is very necessary for this form of application deployment. It will improve overall operating efficiency and correct the data by measuring inputs and outputs. On the other hand, a trial run might provide the information that, but a good deal of times, them put off running and will impose accurate operations. There is a systematic plenty essaying that may come next as a covering. I have conducted some testing as this coating.

They are provided here:

5.5 Unit Check:

The developer checked this formula after implementing the code since he had made some early mistakes. As a result, in my situation, I made a purchase to be safe while I was coding and decided to find the early errors.

5.6 Integrity Check:

I combined all of the front-end work with the back-end code. I will then check to see if any types of layouts are damaged or not.

5.7 Function Test:

Completely the services that I earlier chose with my coverage. I have finished all the initial requirements for these projects. And each goal is tested separately. because the roles are the system's most crucial component. If a function is not utilized properly, the systems will be in unusable form.

5.8 Test Table:

Data test:

- ◆ Test Table for login, data types, results.

Table 5.8.1: Table of Data Test.

TEST NO	DATA INFORMATION	DATA TYPE	EXPECT RESULT	OUTPUT
01	Admin Log in Freelancer Login Client Log In	Password	Home Or Invalid request	Success Or Fail
02	Freelancer Log In	Password	Home Or Invalid request	Success Or Fail
03	Client Log In	Password	Home Or Invalid request	Success Or Fail
04	Job Post	Data	Post successfully Or Invalid	Success Or Fail
05	Payment Method	Request with Valid Information	Valid Or Invalid	Success Or Fail
07	Freelancer Profile Request	Data	Admin accepted Or Rejected	Success Or Fail
08	Client Profile Request	Data	Admin accepted Or Rejected	Success Or Fail

CHAPTER 6

Future Development And Conclusions

6.1 Conclusions:

This project has provided me with several opportunities to configure, write, and test an application. As a result, several software package engineering standards and direction principles, such as maintaining trait and consistency of data, have been incorporated. Additionally, this has helped me get more comfortable with markup language, JavaScript, PHP, CSS, and personal web server.

I thank our mentor for his crucial commitment to guiding me throughout the endeavor. I also say that my family, friends, and our teachers have encouraged and inspired me to complete this assignment successfully. The many capabilities that the website administrations offer will also be included into this website.

The exchanges will also be made safer by using the coding standards. The Socket Secure Layer standard, which offers the highest level of security on the internet, will also be employed in the implementation of the framework.

6.2 Room for Future Development:

Finding talented employees become miserable and stagnant inside the confines of their normal employment has become very widespread. They may even be identified as being inarticulate if they lack the time and options to decide how they want to conduct their life. If this describes how you think, freelancing could be something you envision for your future.

CHAPTER 7

Related Works

7.1 Related Works Online:

1. GigBucks
2. Amazon Mechanical Turk (Mturk)
3. Fiverr
4. ClickWorker
5. PeoplePerHour
6. Crowdsourc (One Space)
7. Zeerk
8. Inbox Dollars
9. Task Rabbit
10. Rapidworkers

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