

DESIREINFORMATION.COM

BY

NOWRIN AHMED MEEM

ID: 161-15-6897

TOUFIQ-E-KHODA

ID: 143-15-4539

AND

SHARMIN SULTANA

ID: 161-15-7151

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

Supervised By

Md. AZIZUL HAKIM

LECTURER

Department of CSE
Daffodil International University

Co-Supervised By

Mr. SUBROTO NAG PINKU

LECTURER

Department of CSE
Daffodil International University



DAFFODIL INTERNATIONAL UNIVERSITY

DHAKA, BANGLADESH

DECEMBER 2019

APPROVAL

This Project titled “**DesireInformation.com**”, submitted by Nowrin Ahmed, Sharmin Sultana, Toufiq-E-Khoda, ID No: 161-15-6897, 161-15-7151, 143-15-4539 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 B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 06-12-2019.

BOARD OF EXAMINERS

Handwritten signature

Dr. Syed Akhter Hossain

Chairman

Professor and Head

Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Handwritten signature

Md. Sadekur Rahman

Internal Examiner

Assistant Professor

Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Handwritten signature

Abdus Sattar

Internal Examiner

Assistant Professor

Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Handwritten signature

Dr. Md. Saddam Hossain

External Examiner


Assistant Professor

Department of Computer Science and Engineering
United International University

DECLARATION

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

Supervised by:



Md. Azizul Hakim

Lecturer

Department of CSE

Daffodil International University

Co-Supervised by:

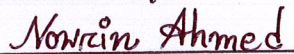
Mr. Subroto Nag Pinku

Lecturer

Department of CSE

Daffodil International University

Submitted by:

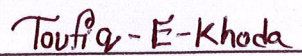


Nowrin Ahmed Meem

ID: 161-15-6897

Department of CSE

Daffodil International University

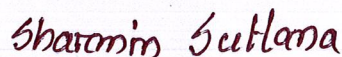


Toufiq-E-Khoda

ID: 143-15-4539

Department of CSE

Daffodil International University



Sharmin Sultana

ID: 161-15-7151

Department of CSE

Daffodil International University

ACKNOWLEDGEMENT

First we express our heartiest thanks and gratefulness to almighty God for His divine blessing makes us possible to complete the final year project/internship successfully.

We really grateful and wish our profound our indebtedness to Md.Azizul Hakim, Lecturer, Department of CSE Daffodil International University, Dhaka. Deep Knowledge & keen interest of our supervisor in the field of “*Web Application*” to carry out this project. His endless patience ,scholarly guidance ,continual encouragement , constant and energetic supervision, constructive criticism , valuable advice ,reading many inferior draft and correcting them at all stage have made it possible to complete this project.

We would like to express our heartiest gratitude to Prof .Dr .Syed Akhter Hossain, and Head, Department of CSE, for his kind help to finish our project and also to other faculty member and the staff of CSE department of Daffodil International University.

We would like to thank our entire course mate in Daffodil International University, who took part in this discuss while completing the course work.

Finally, we must acknowledge with due respect the constant support and patients of our parents.

ABSTRACT

Desire Information is a website where people can get all type of information which is necessary for their daily life in particularly Dhaka city. In this digital civilization we all want easiest service like if we will find all kind of service in one page then it will good for us. And it also provide service for any kind of person in their lager period. In our DesireInformation website there are some feature such as user category, service type etc. Here client can apply for their job and after see the applicant information admin accept their request. User can give feedback after taking the service. So it is advantage for other user that they can see the feedback and rate our website.

This project is like all in one service. People can get different types of facilities from this service. By visiting this page people can find what kind of service they want.

One important part is people don't need to registration for visiting our page but must need to registration when they hire someone and most important part is payment security. Here client and user can communicate with each other.

In this website we use PHP, JavaScript, MySQL for admin panel application. This website is more user friendly than other service related website.

TABLE OF CONTENTS

CONTENTS	PAGE
Approval.....	i
Declaration.....	ii
Acknowledgements	iii
Abstract.....	iv
CHAPTER 1: INTRODUCTION	1-1
1.1 Introduction.....	1
1.2 Motivation.....	1
1.3 Objectives.....	1
1.4 Expected Outcome	1
CHAPTER 2: BACKGROUND	2-3
2.1 Introduction.....	2
2.2 Related Works	2-3
2.3 Comparative Studies.....	3
2.4 Scope of the Problem.....	3
2.5 Challenges.....	3
CHAPTER 3: REQUIREMENT SPECIFICATION	4-8
3.1 Business Process Modeling.....	4-5
3.2 Use Case Modeling and Description.....	6
3.4 Logical Data Model.....	7
3.5 Design Requirements.....	8
CHAPTER 4: DESIGN SPECIFICATION	9-21
4.1 Front-end Design.....	9-12
4.2 Back-end Design.....	13-21

CHAPTER 5: IMPLEMENTATION AND TESTING	20-25
5.1 Implementation of Database	22-24
5.2 Implementation of Front-end Design.....	24
5.3 Testing Implementation.....	25
CHAPTER 6: CONCLUSION AND FUTURE SCOPE	26
6.1 Discussion and Conclusion.....	26
6.2 Scope for Further Developments.....	26
REFERENCES	27

LIST OF FIGURES

FIGURES	PAGE
Figure 3.1.1 :Business Process Modeling	5
Figure 3.2.1: Use case Diagram	6
Figure 3.3.1: Logical Diagram	7
Figure 4.1.1: Homepage	9-12
Figure 4.1.2: Login page	13
Figure 4.1.3.1: Registration page	14
Figure 4.1.3.2: Admin profile page	15
Figure 4.1.3.3Admin Profile Page2	16-17
Figure 4.2.1:Database connection	18
Figure 4.2.4: Login code 01	19
Figure 4.2.5: Login code 02	20
Figure 4.2.6:Regestation code	21

LIST OF TABLES

LIST OF TABLES	PAGE
Table 5.1.1 Database Category	22
Table 5.1.2 Database Migration	23
Table 5.1.3 Database Password _reset	23
Table 5.1.4 Database Service	23
Table 5.1.5 Database User	24
Table 5.1.6 Database User role.	24
Table 5.3.1 Test Case.	25

CHAPTER 1

Introduction

1.1 Introduction

The purpose of this project is to provide different types of service that people want in their daily life. This project is like all in one service.

1.2 Motivation

In this digital civilization we all want the easiest service like if we will find all kinds of service in one page then it will be good for us. And it also provides service for any kind of person in their larger period.

1.3 Objective

- Online market.
- Anyone can visit this page without login or registration.
- Anyone can review any service provider.
- Chat option between user and client.
- Email/phone number of user.
- Registration must be needed for user when they book.

1.4 Benefits

- Easy to work
- Service provider can control their workload
- Time flexibility
- People are their own boss

1.5 Expected Outcome

This project is like all in one service. People can get different types of facilities from this service and also clients can hire service.

CHAPTER 2

Background

2.1 Introduction

In this digital civilization most of the people use freelancing website. So people can earn Money for their specific skill by using this type of site. Client can easily find them by Visiting this site.

So we think that we should work with this project that people can earn money with their Specific activities and they can find reliable platform from our project.

2.1.1 Stakeholder

Internal Stakeholders:

- Admin
- Service Provider

External Stakeholders:

- Client
- Vendor

2.2 Related Works

In Bangladesh there are many freelancing website like KajKey.com, THE2HOURJOB.com, OutsourceMyJob.com etc. But in our website we add some unique feature like wedding planner, photographer, architecture artist, sketch artist.

People can earn money by using their specific skills which meet the requirements. But all of us may one can write report very well, one can make sketch, one can make very beautiful photographs, one can make presentation slide etc. But in our country there is no such any platform where we can earn money using this kind of activity. So for this weworking with this kind of project where people can earn with their own skill without any professional skills.

2.3 Comparative Studies

After research everything we found that if we work with this project than it beneficial for everyone. Because now a days all of the people know about freelancing websites. Where they can earn money to using their skill. So there are many freelancing website that client canhire service provider for

their specific work.

So it is really hard for people to find specific worker for specific work. For this we want to make a website that can help people for easier their work like in a function or ritual people can hire different type of service provider.

2.4 Scope of the Problem

There we face a lot of problem to work with this project. Because it is hard to find out every information for this project. Some people do not believe this type of freelancing a web site.

Collect the information about every service provider and setup that information it's very tough for all of us

2.5 Challenges

There are lots of challenges for this application. They are

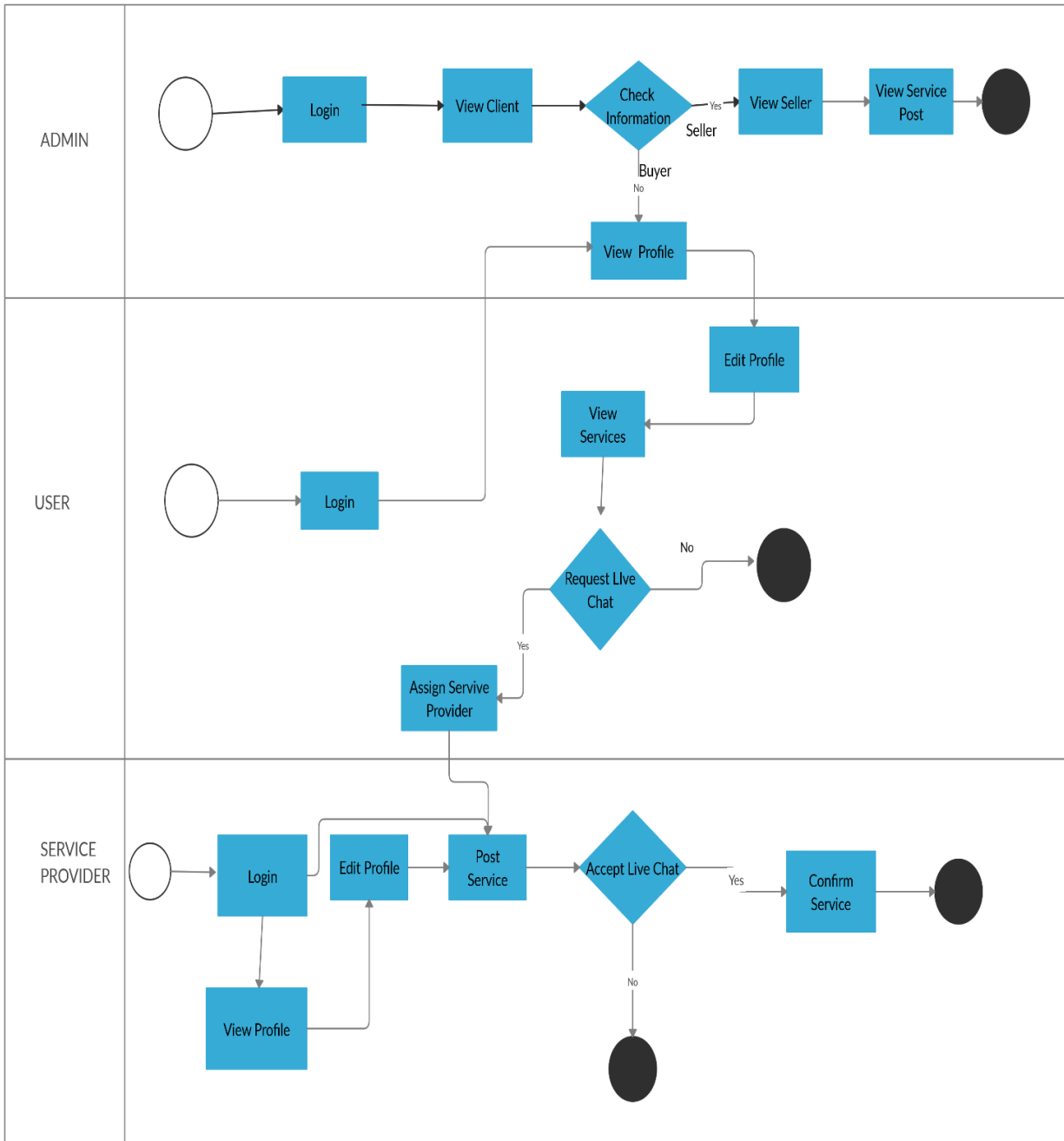
- Configuration
- Data Security
- Control Admin, User, Service-provider panel
- Time Efficiency
- User Friendly

CHAPTER 3

Requirement Specification

3.1 Business Process Modeling

This is the business process model of our project. Business process model help to understand the factual analysis of the project. There are three part of this model admin, user and service provider. Admin can control the other two part. Admin can update the information about both service provider and user and can delete the service post. Its purpose is to model ways to improve efficiency, account for new circumstances or gain competitive advantage. The method has been undergoing a standardization push in the past few years and is now often called by a slightly different name. They are important because they describe how things are done and then provides the focus for making them better and how they are done determines how successful the outcomes will be.



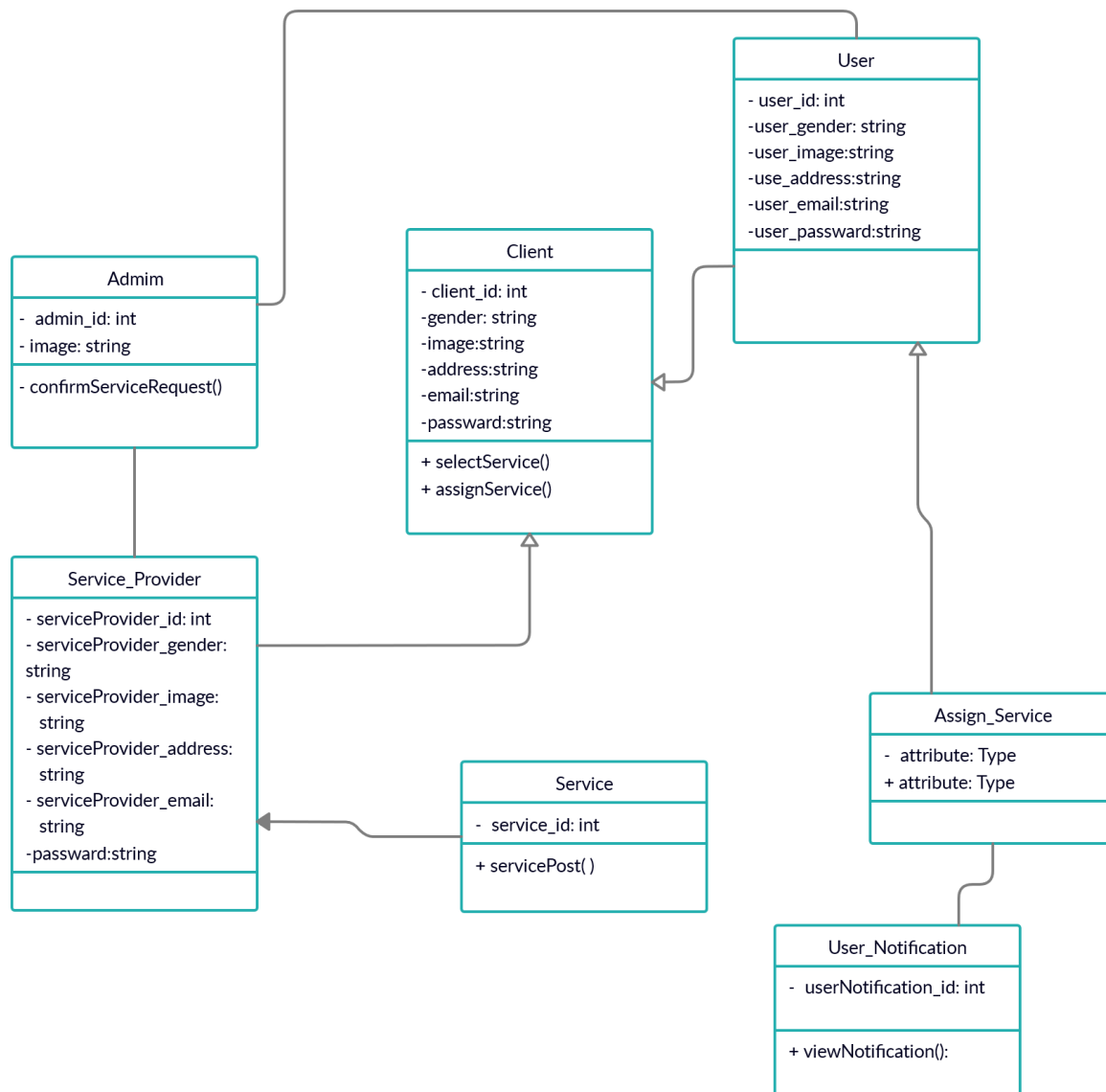
3.2 Use Case Modeling and Description

This is the use case diagram of our project. There are admin, service provider and user. First all of them should login to the site. If client have no account they cannot log into the site. For this first they should complete their registration for create an account. So it is the simple use case diagram of the project. With this diagram we are trying to clarify the system requirements.



3.3 Logical Data Model

This is the logical data model of the project. Logical data model defines the structure of the data elements and set the relationships between them. A logical data model describes the data in as much detail as possible, without regard to how they will be physical implemented in the database.



3.4 Design Requirement

While web design is the way a website looks, front end development is how that design actually gets implemented on the web. The visible part to the customer or user is known as front design. The more attractive front design is more acceptable to the users and others. To design the front end there is some specific language and frame is used. We used HTML, CSS, and JavaScript to design our website.

HTML (Hyper Text Markup Language) and CSS (Cascading Style Sheets) are the common building block of any website. It's also work as skeleton of website. Without this the website becomes unformatted and a plain texts. Also without this images cannot add to the website.

JavaScript allows us to do interactive elements. It also helps to navigate the website and do real time action with matter of time, makes the interface easy to reload, and add versatile functionality to the website.

We also use design framework known as Bootstrap. Bootstrap is a free and open-source front-end framework for designing websites and web applications. It contains HTML- and CSS-based design templates for typography, forms, buttons, navigation and other interface components, as well as optional JavaScript extensions. Unlike many earlier web frameworks, it concerns itself with front-end development only.

CHAPTER 4

Design Specification

For any kind of web development project we should work for front-end design and back-end design. But in website designing project normally we use HTML, CSS, JavaScript, Bootstrap, Laraval.

4.1 Front-end Design

Front-end design is known as client side because this part of the website is visible for the client. Most of the time client wants the fascinating front design. So fascinating website can attract the client mind.

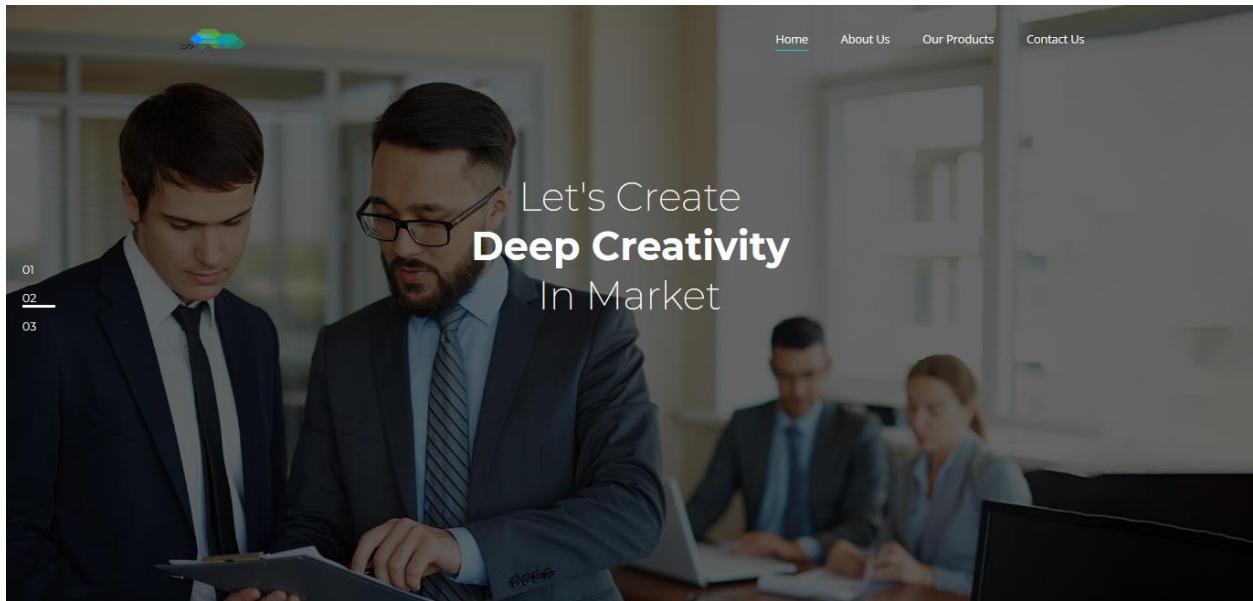


Figure4.1.1: Homepage



Lets take your **Business** to Next Level

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc mauris arcu, lobortis id interdum vitae, interdum eget elit. Curabitur quis urna nulla. Suspendisse potenti. Duis suscipit ultrices maximus.

[Learn More](#)



[Read Out Our](#)

Figure 4.1.2: Homepage



[Read Out Our](#)

Latest Service

Lorem ipsum dolor sit amet, consectetur adipiscing elit. A dolores omnis provident quam reiciendis voluptatum.



Price: 120\$

I Will Be Your
Photographer

Generate Lorem Ipsum placeholder text for use in your graphic, print a...

[Buy for Now](#)



Price: 124\$

I Will Be Your Web
Developer

Generate Lorem Ipsum placeholder text for use in your graphic, print a...

[Buy for Now](#)



Figure 4.1.3: Homepage

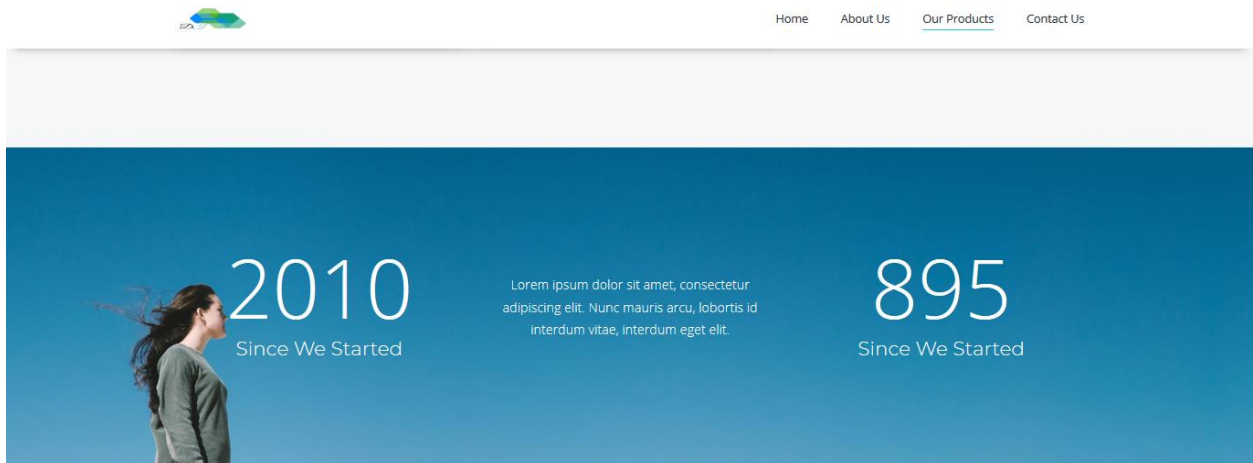


Figure 4.1.4: Homepage

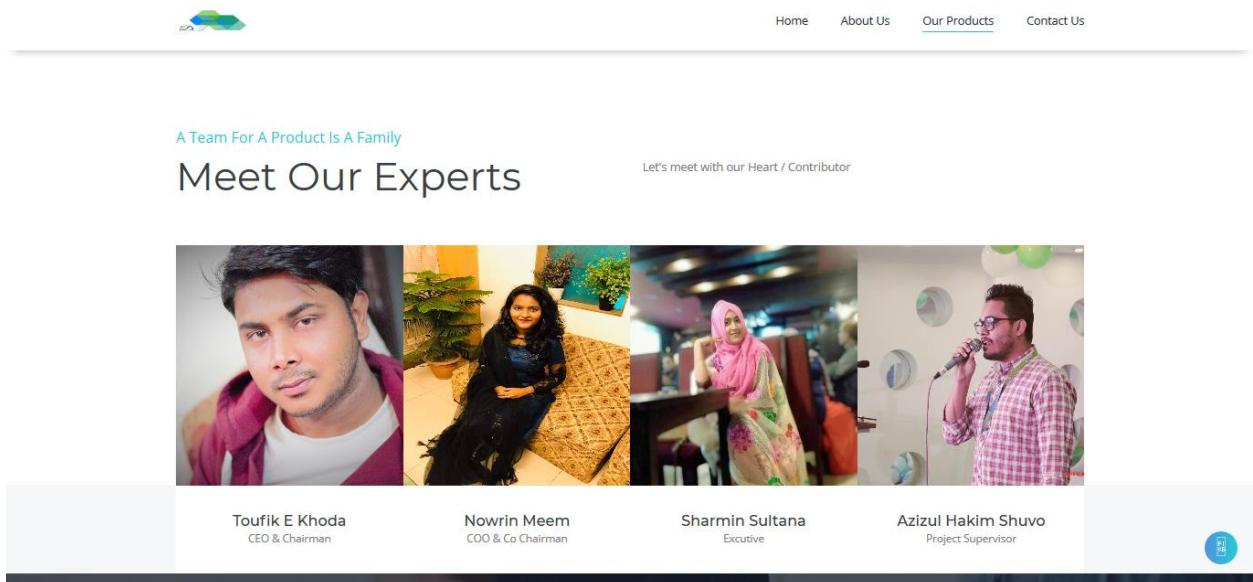


Figure 4.1.5: Homepage

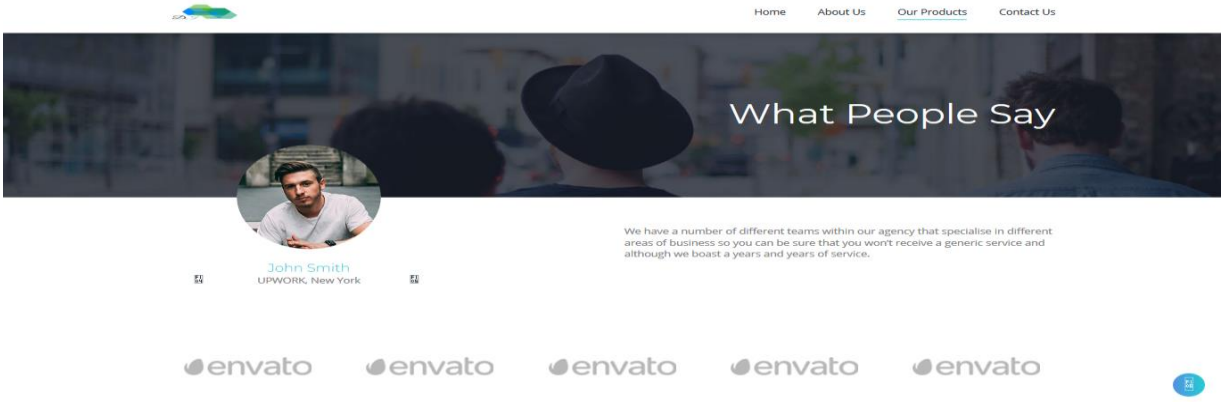


Figure 4.1.6: Homepage

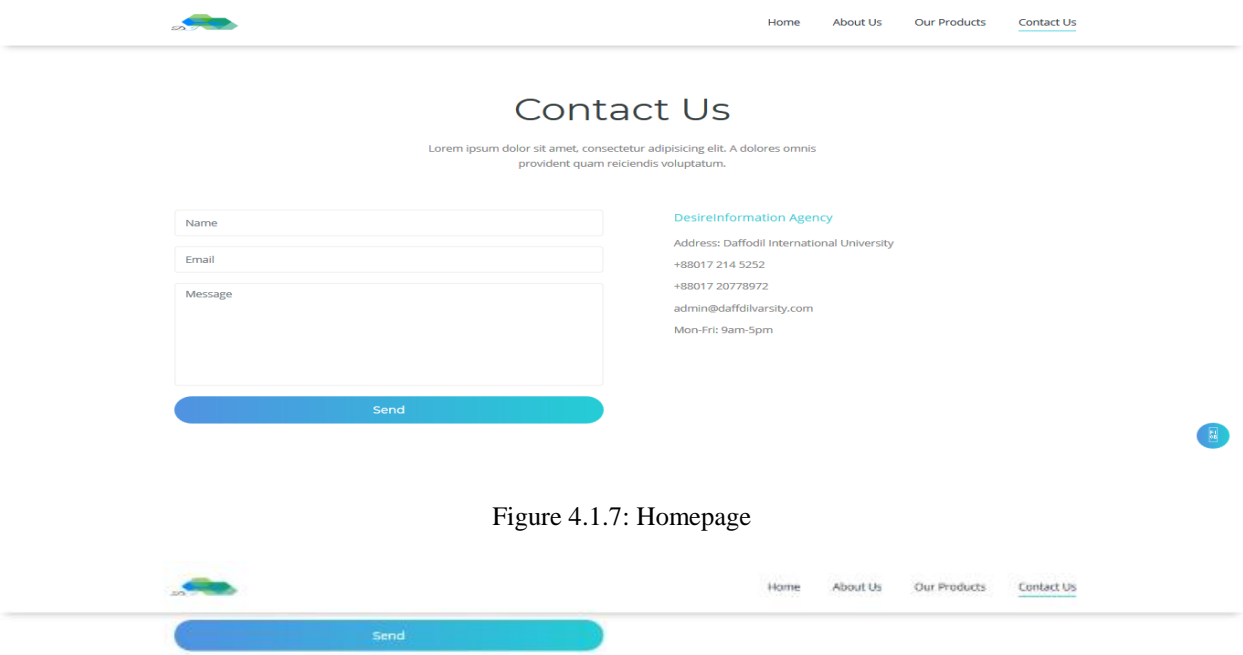


Figure 4.1.7: Homepage

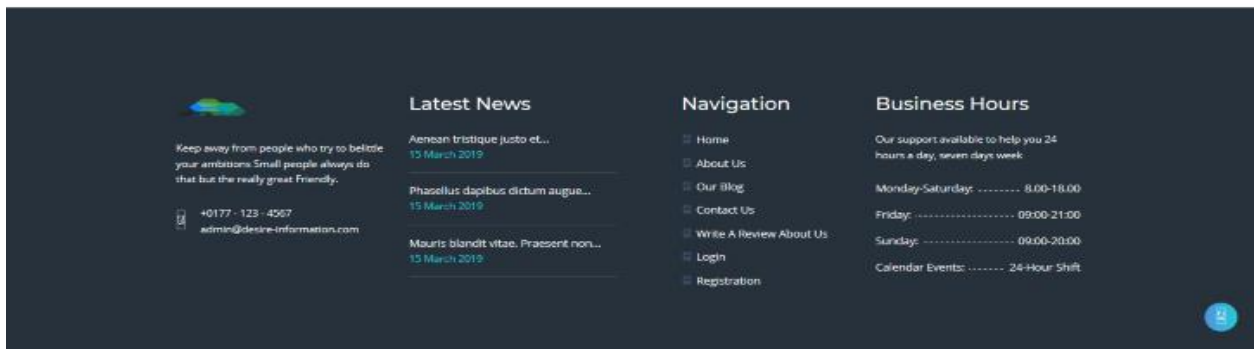


Figure 4.1.8: Homepage

4.2 Back-end Design

This is the login page of user and service provider. They can login by giving their email address and password. If they do not have account they cannot login this page first they should create their account by completing the registration.

Desire Information Login

Login

E-Mail Address

Password

Remember Me

[Forgot Your Password?](#)

Figure 4.1.2: Login page

This is the registration page of the client. First client should complete their registration for creating account. After create their account they can login their account. Registration is mandatory for the user if they want to hire any service provider.

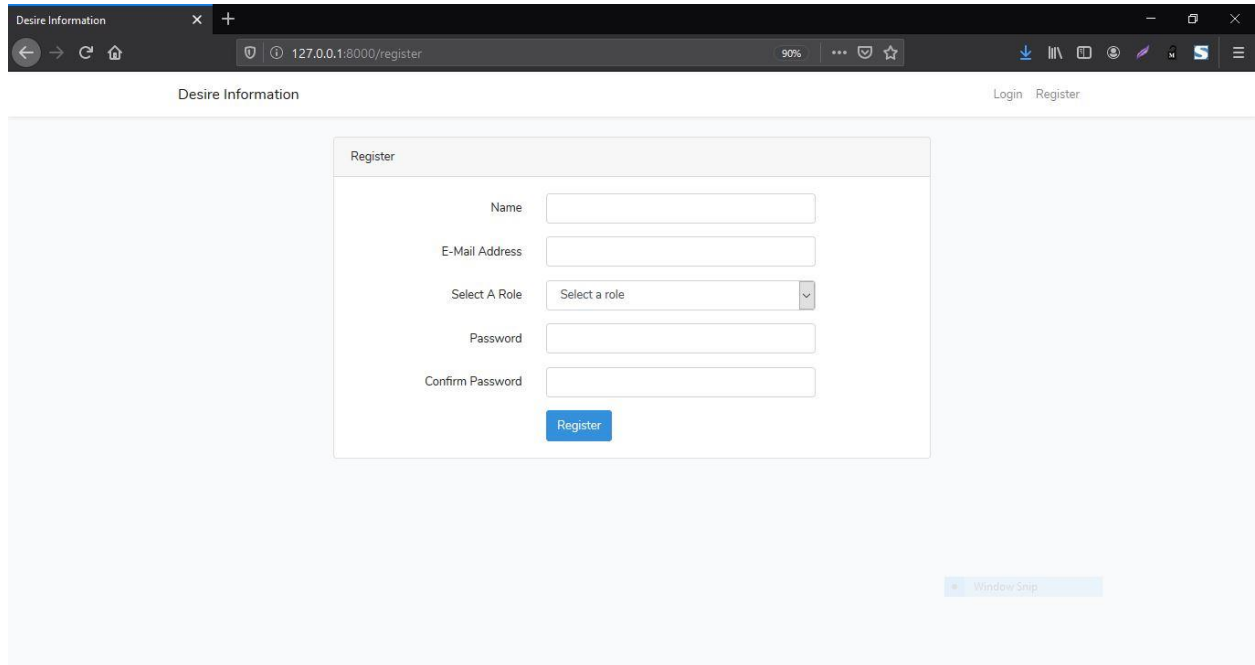


Figure 4.1.3.1: Registration page

This is the admin profile page. Here admin can change the profile photo, update the service post and delete the service post.

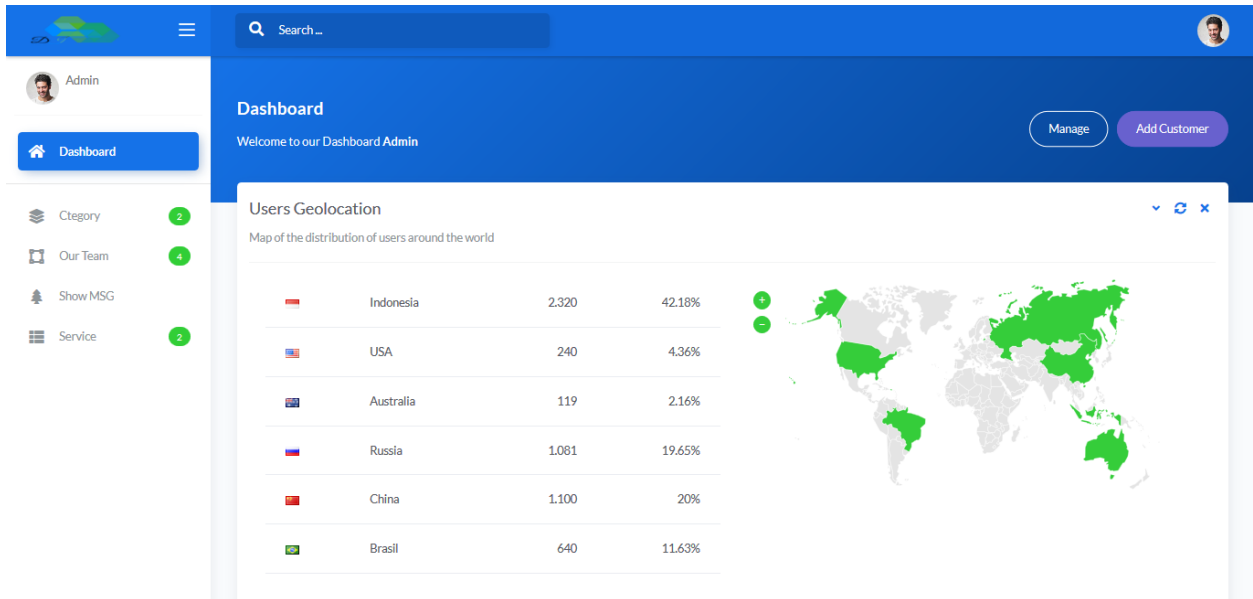


Figure 4.1.3.2: Admin Profile Page1

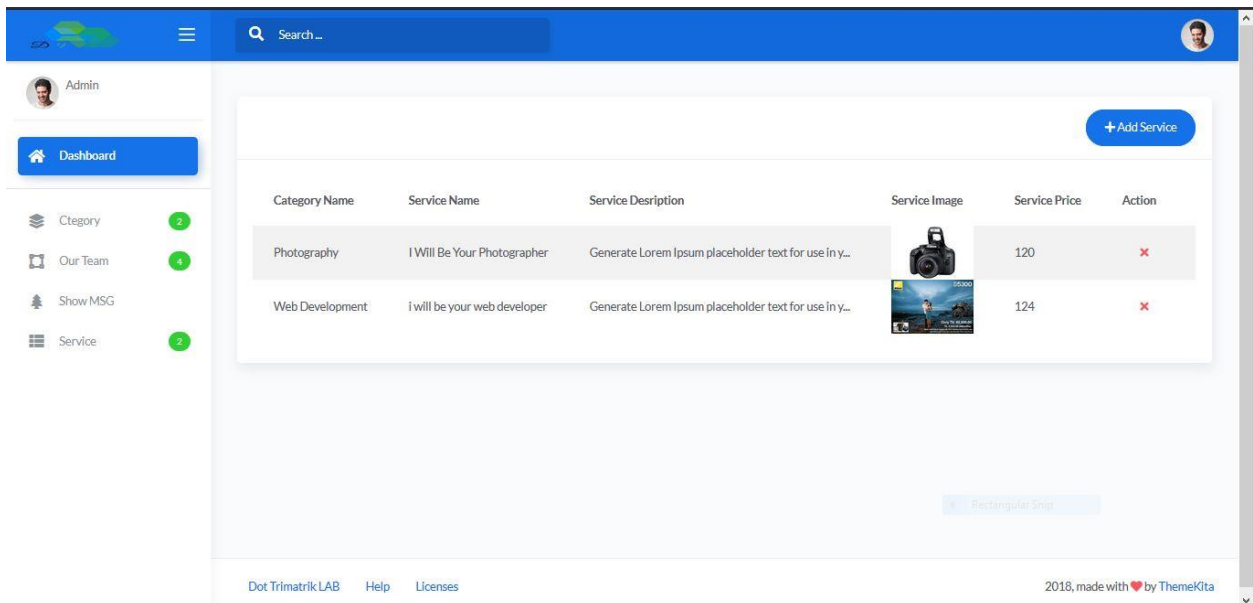


Figure 4.1.3.2: Admin Profile Page

In this page admin can add the service and also can update the service post.

The screenshot shows an admin dashboard with a blue header. The header includes a search bar and a user profile icon. The left sidebar has a 'Dashboard' button and several menu items: 'Category' (with a green notification bubble), 'Our Team' (with a green notification bubble), 'Show MSG' (with a green notification bubble), and 'Service' (with a green notification bubble). The main content area is titled 'Add Service' and contains a form with the following fields:

- Select Your Category:** A dropdown menu with the text 'Select a Category'.
- Add Service Name:** A text input field with the placeholder text 'Enter Service Name'.
- Add Service Description:** A text input field with the placeholder text 'Enter Service Description'.
- Add Service Price:** A text input field with the placeholder text 'Enter Service Price'.
- Choose Service Image:** A file upload field with a 'Browse...' button and the text 'No file selected.'

At the bottom of the form, there are two buttons: a green 'Submit' button and a red 'Cancel' button.

Figure 4.1.3.3: Admin Profile Page3

The backend usually consists of three parts: a server, an application, and a database. We get the information and data from front end and implement it through application or software. After getting the data we store that in database and run by server. The whole coding for this implementation, run and store is known as back end design. For coding we use Laravel, PHP, JavaScript and Bootstrap.

Software:

- VS Code
- Xampp
- phpMyAdmin
- Laravel Framework

Server:

- Apache
- XAMPP

Database:

- PHP
- MySQL

The image shows a screenshot of the Visual Studio Code editor with the .env file open. The file contains the following configuration:

```
1 APP_NAME="Desire Information"
2 APP_ENV=local
3 APP_KEY=base64:Yad8LXFV07D00zZQeM5+5t4xyk9ABV55JmcqoJg/wcI=
4 APP_DEBUG=true
5 APP_URL=http://localhost
6 LOG_CHANNEL=stack
7
8 DB_CONNECTION=mysql
9 DB_HOST=127.0.0.1
10 DB_PORT=3306
11 DB_DATABASE=eservice
12 DB_USERNAME=root
13 DB_PASSWORD=
14
15 BROADCAST_DRIVER=log
16 CACHE_DRIVER=file
17 QUEUE_CONNECTION=sync
18 SESSION_DRIVER=file
19 SESSION_LIFETIME=120
20
21 REDIS_HOST=127.0.0.1
22 REDIS_PASSWORD=null
23 REDIS_PORT=6379
24
25 MAIL_DRIVER=smtp
26 MAIL_HOST=smtp.mailtrap.io
27 MAIL_PORT=2525
28 MAIL_USERNAME=null
29 MAIL_PASSWORD=null
30 MAIL_ENCRYPTION=null
31
32 AWS_ACCESS_KEY_ID=
33 AWS_SECRET_ACCESS_KEY=
```

Figure 4.2.1: Database connection

```
5 use App\Http\Controllers\Controller;
6 use Illuminate\Foundation\Auth\AuthenticatesUsers;
7 use Auth;
8 use Illuminate\Http\Request;
9
10 class LoginController extends Controller
11 {
12     /**
13      * Login Controller
14      *
15      * This controller handles authenticating users for the application and
16      * redirecting them to your home screen. The controller uses a trait
17      * to conveniently provide its functionality to your applications.
18      */
19     use AuthenticatesUsers;
20
21     /**
22      * Where to redirect users after login.
23      *
24      * @var string
25      */
26     protected $redirectTo = '/home';
27
28     /**
29      * Create a new controller instance.
30      *
31      * @return void
32      */
33     public function __construct()
34     {
35         $this->middleware('guest')->except('logout');
36     }
37
38     public function logout(Request $request) {
39         Auth::logout();
40         return redirect('/');
41     }
42 }
```

Figure 4.2.4: Login code 01

```
1 @extends('layouts.app')
2
3 @section('content')
4 <div class="container">
5   <div class="row justify-content-center">
6     <div class="col-md-8">
7       <div class="card">
8         <div class="card-header">{{ __('Login') }}</div>
9
10        <div class="card-body">
11          <form method="POST" action="{{ route('login') }}">
12            @csrf
13
14            <div class="form-group row">
15              <label for="email" class="col-md-4 col-form-label text-md-right">{{ __('E-Mail Address') }}</label>
16
17              <div class="col-md-6">
18                <input id="email" type="email" class="form-control @error('email') is-invalid @enderror" name="email" value="">
19
20                @error('email')
21                  <span class="invalid-feedback" role="alert">
22                    <strong>{{ $message }}</strong>
23                  </span>
24                @enderror
25              </div>
26            </div>
27
28            <div class="form-group row">
29              <label for="password" class="col-md-4 col-form-label text-md-right">{{ __('Password') }}</label>
30
31              <div class="col-md-6">
32                <input id="password" type="password" class="form-control @error('password') is-invalid @enderror" name="password" value="">
33
34                @error('password')
35                  <span class="invalid-feedback" role="alert">
36                    <strong>{{ $message }}</strong>
37                  </span>
38                @enderror
39              </div>
40            </div>
41          </form>
42        </div>
43      </div>
44    </div>
45  </div>
46 </section>
```

Figure 4.2.5: Login code 02

```
39 </div>
40 </div>
41
42 <div class="form-group row">
43 <label for="user_role_id" class="col-md-4 col-form-label text-md-right">{{ __('Select A Role') }}</label>
44 <div class="col-md-6">
45 <select class="form-control" name="user_role_id">
46 <option disabled selected>Select a role</option>
47 @php( $userroles = \App\UserRole::all() )
48 @foreach($userroles as $UserRole)
49 <option value="{{ $UserRole->id }}">{{ $UserRole->user_role }}</option>
50 @endforeach
51 </select>
52 @error('user_role')
53 <span class="invalid-feedback" role="alert">
54 <strong>{{ $message }}</strong>
55 </span>
56 @enderror
57 </div>
58 </div>
59
60 <div class="form-group row">
61 <label for="password" class="col-md-4 col-form-label text-md-right">{{ __('Password') }}</label>
62
63 <div class="col-md-6">
64 <input id="password" type="password" class="form-control @error('password') is-invalid @enderror" name="pa
65
66 @error('password')
67 <span class="invalid-feedback" role="alert">
68 <strong>{{ $message }}</strong>
69 </span>
70 @enderror
71 </div>
72 </div>
73
74 <div class="form-group row">
75 <label for="password-confirm" class="col-md-4 col-form-label text-md-right">{{ __('Confirm Password') }}</labe
76
77 <div class="col-md-6">
78 <input id="password-confirm" type="password" class="form-control" name="password_confirmation" required au
```

Figure 4.2.6: Registration code

CHAPTER 5

Implementation and Testing

5.1 Implementation of Database

Database connection is important because it access the data from data sources. We can read data by thrust in data into database table.

The step of implementation of database:

- Select Database Management System Products
- Setup variables
- Create database and tables
- Load the data
- Setup the users and security

In this project we get six database tables. This table are shown in the below with table name.

Table 5.1.1: Database Category

Column	Type	Attributes	Null	Default
id	bigint(20)	UNSIGNED	No	AUTO_INCREMENT
category name	varchar(191)		No	
created at	Timestamp		Yes	
updated at	Timestamp		Yes	

Table 5.1.2: Database Migration

Column	Type	Attributes	Null	Default
id	int(10)	UNSIGNED	No	AUTO_INCREMENT
migration	varchar(191)		No	
batch	int(11)		No	

Table 5.1.3: Database Password reset

Column	Type	Attributes	Null	Default
email	varchar(191)		No	
token	varchar(191)		No	
Created_at	timestamp		Yes	

Table 5.1.4: Database Service

Column	Type	Attributes	Null	Default
id	bigint(11)	UNSIGNED	No	AUTO_INCREMENT
service_name	varchar(191)		No	
service_description	longtext		No	
service_image	varchar(191)		Yes	
service_price	int(11)		Yes	
category_name_id	int(11)		No	
user_id	int(11)		No	
created_at	timestamp		Yes	
updated_at	timestamp		Yes	

Table 5.1.5: Database User

Column	Type	Attributes	Null	Default
id	bigint(20)	UNSIGNED	No	AUTO_INCREMENT
name	varchar(191)		No	
email	varchar(191)		No	
Email_verified_at	timestamp		Yes	
user_role_id	int(11)		No	
password	varchar(191)		No	
remember_token	varchar(100)		Yes	
created_at	timestamp		Yes	
updated_at	timestamp		Yes	

Table 5.1.6: Database User role.

Column	Type	Attributes	Null	Default
id	bigint(20)		No	AUTO_INCREMENT
user role	varchar(191)		Yes	
created_at	Timestamp		Yes	
updated_at	Timestamp		Yes	

5.2 Implementation of Front-end Design

To design the front end there is some specific language and frame is used. We used HTML, CSS, and JavaScript to design our website.

- HTML
- CSS
- JavaScript
- Bootstrap
- JQuery

5.3 Testing Implementation

Test implementations the analysis of the design that check the difference between expected outcome and real outcome.

Table 5.3.1: Test Case.

ID	Command	Test Method	Outcomes	Status
Test Case 1	Registration Request	Black Box	Registration Completed	Pass
Test Case 1	Login	Black Box	Access to the System	Pass
Test Case 1	Create Post	Black Box	Writing Form	Pass
Test Case 1	Edit Post	Black Box	Save Changes	Pass
Test Case 1	View Post	Black Box	Show Post	Pass
Test Case 1	Log Out	Black Box	Logged Out	Pass

CHAPTER 6

Conclusion and Future Scope

6.1 Discussion and Conclusion

In this digital civilization we all want easiest service like if we will find all kind of service in one page then it will be well for us. And it also provides service for any kind of person in their later period.

Desire Information is a website where people can get all type of information which is necessary for their daily life in particularly Dhaka city. In our Desire Information website there are some features such as user category, service type etc.

In our project there are two types of clients they are user and service provider.

There are admin panels who can monitor the service related posts. Here service providers request the job post and admin judges the applicant details and accepts the request.

So we think that we should work with this project that people can earn money with their specific activities and they can find a reliable platform from our project.

6.2 Scope for Further Development

In the future we will work for this project development. We have planned to add some more features in the future.

REFERENCES

1. “Business Process Modeling - Tallyfy.”[Online]. Available at: <https://tallyfy.com/business-process-modeling/> [Accessed: 03-Oct-2019 at 12.00 AM].
2. “Logical Data Model – 1keydata.com.” [Online]. Available at: <https://www.1keydata.com/datawarehousing/logical-data-model.html>. [Accessed: 15-Oct-2019 at 9.00 PM].
3. “Use Case Diagram - WhatIs.com.”[Online]. Available at: <https://whatis.techtarget.com/definition/use-case-diagram> . [Accessed: 17-Oct-2019 at 11.00 AM].
4. “Database Implementation - MariaDB.”[Online]. Available at: <https://mariadb.com/kb/en/library/database-design-phase-3-implementation/> . [Accessed: 20-Oct-2019 at 7.00 PM].

Document Viewer

Turnitin Originality
Report

Processed on: 01-Nov-2019 11:25 +06
 ID: 1204791225
 Word Count: 1579
 Submitted: 1

DesireInformation.com By
 Nowrin Ahmed Meem

Similarity Index 25%	Similarity by Source Internet Sources: 8% Publications: 3% Student Papers: 24%
--------------------------------	--

[exclude quoted](#)
[exclude bibliography](#)
[exclude small matches](#)
 mode:
 quickview (classic) report
[print](#)
[refresh](#)
[download](#)

3% match (student papers from 31-Dec-2018)

[Submitted to HELP UNIVERSITY on 2018-12-31](#)



3% match (Internet from 19-Aug-2019)

<http://npgroups.com>



2% match (student papers from 30-Oct-2019)

[Submitted to Daffodil International University on 2019-10-30](#)



2% match (Internet from 21-Apr-2019)

<https://www.gaia-technologies.com/>



2% match (student papers from 07-Apr-2018)

[Submitted to Daffodil International University on 2018-04-07](#)



2% match (student papers from 06-Apr-2017)

[Submitted to Monroe College on 2017-04-06](#)



1% match (Internet from 14-Oct-2019)

<https://www.careerexplorer.com/careers/front-end-developer/>



1% match (student papers from 02-Apr-2019)

[Submitted to Daffodil International University on 2019-04-02](#)



1% match (student papers from 24-Jun-2018)

[Submitted to Gulf College Oman on 2018-06-24](#)

