

**MOTHER SOFT IT INSTITUTE**

**BY**

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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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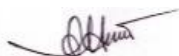
**DHAKA, BANGLADESH**

**OCTOBER 2020**

## **APPROVAL**

This Project “Mother Soft IT Institute”, submitted by Masud Rana and Most Asmary Sultana Asha 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 08/10/2020.

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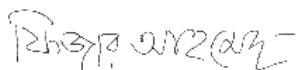


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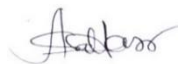


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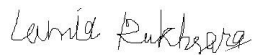
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## DECLARATION

We hereby declare that. This project has been done by Masud Rana and Most Asmary Sultana Asha under the supervision of Lamia Rukhsara, 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 Awards of any degree or diploma.

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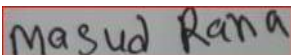
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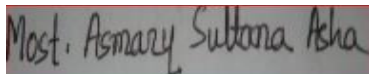
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Finally, we must acknowledge with due respect the constant support and patients of my parents, without them any of my work wouldn't happen.

## **ABSTRACT**

IT Institute, one of the leading IT training institutes in worldwide offers the best training opportunities. Enriched with quality training this institute has never failed to help the individuals to reveal their talents making harmony between creativity and IT No matter what is your background, we are offering few courses for you conducted by experienced trainers to advance your skills Thus, the students of it institute turn out to be successful marketers and establish their careers in various companies as well. We dedicatedly provide flexible training options such as online training, 24/7 support, lifetime post-training support, job placement and so on. These incorporate multi-layered design, worker and customer side scripting strategies, usage advancements, for example, PHP, programming language, (for example, La-ravel Framework) and social information bases MySQL. This is a task with the goal to build up an essential site where a buyer is furnished with on the web/offline understudy site and furthermore to think about the advances used to grow such an application.

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# CHAPTER 1

## INTRODUCTION

### 1.1 Introduction

IT Institute are a web platform that offers tools for students on the online/offline education.

It is wise to assume that the IT Institute process is now becoming commonplace.

The goal of this project is to build a general-purpose online/offline IT Institute can be education over the Internet from the comfort of the home.

However, the main objective of this project is to provide quality education to interested learners through online and offline education learning provide.

### 1.2 Motivation:

IT institutes are basically institutions for learning different types of jobs such as web design and development, networking, software development, graphics design, etc web base application. Which provides this service for free at different times and for some money online and offline.

If we learn these jobs very well, we will be able to work nationally and internationally and if we want, we will be able to become entrepreneurs ourselves.

### 1.3 Objectives:

The main objectives of the IT Institute are as follows:

1. Creating skilled freelancers / entrepreneurs.
2. To help the economic profit of the country.
3. Reducing the unemployment rate in the country.
4. Above all, to re-present the country in the court of digital and outside world.

#### **1.4 Expected Outcome:**

The main objectives of the IT Institute are as follows:

1. The main goal of this project is to develop a website for an IT institute.
2. To help the country achieve economic profit.
3. To reduce the unemployment rate in the country.
4. Contact any person or learner at any time if they have any problem.

#### **1.5 Report Layout**

Report layout describe a summary of all the chapter. A brief summary of all chapters is given below:

**Chapter 1:** To describe an introduction of the IT Institute are a web platform, Motivation, Objectives, Expected outcome and the Report layout.

**Chapter 2:** To Describe the Introduction, Relative Works, Relative Study, The Scope of the Matter, Challenges.

**Chapter 3:** To Describes the Business Process Modeling, Requirement Collection, Use Case Modeling and Description, Design Requirements.

**Chapter 4:** Describes the Front-end Design, Back-end Design, Interaction Design and UX, Embodiment Necessity.

**Chapter 5:** Describe the Embodiment of Database, Embodiment of Front-end Design, Embodiment of Interactions, Testing Embodiment, Test Results and Reports.

**Chapter 6:** Describes the Discussion & Conclusion, Extent for Further Developments.

## **CHAPTER 2**

### **BACKGROUND**

#### **2.1 Introduction**

We have learned a lot of new things to make this website. We tried to create a lovely website that would be helpful to many people. Users will find details of about us & contact us. The streamlined design of the web would allow only the simple and required steps to perform a task that will be more effective

Scope of the Problem: Everyone can visit this website but not everyone will get private services. Only students of this institution will get private services. Challenges? There are many IT institutes. For this reason, it was very challenging to visit different IT institutes online and offline and provide better services than them. However, we have collected more services and better quality teachers by visiting different IT institutes online and offline and discussing their services. And have launched various quality offers and classes. And I have tried my best to make it possible for students to receive services online and offline at home. For this we have developed a Responsive Website. But it was a very challenging task for us to sort through the various organization verifications and to develop a responsive website.

#### **2.2 Related Works:**

It is a fascinating experience to our nation that many programmers have already produced a limited number of similar websites that are familiar to other people. There are some websites such as "<https://mwt.com.bd>" and "<https://dusrasoft.com/>" where any product can be found. After student's learn about our website and our services, they will be admitted to our institution and learn to work from here to improve themselves and help in the development of the country.

### **2.3 Comparative Studies:**

There are many IT companies in Bangladesh. I have visited many IT companies manually and learned about many organizations online. After knowing everything we tried to provide different quality services from different organizations and designed and developed my better user friendly website than them and hired better quality teachers. As if the students do not have any problem.

We have had to do a lot of comparative study to do so many complex things.

### **2.4 Challenges:**

There are different types of challenges have to be faces during the software develop. There have been many problems in understanding the features of the website and how to design it. Physically visiting different institutions has caused a lot of problems. user friendly problem Most commonly: Syntax error.

Fatal error. Find out the problem and try to solve that.

## **CHAPTER 3**

### **REQUIREMENTS SPECIFICATION**

#### **3.1 Business Process Modeling**

The project which we are imitating is based on it institute to users by admins. By which admins will collect learning student. There is will be another model in which online way to collect student, other organizations will be our project partner. This project will be help the poor people they need student from their any country and friends in emergency. Some we will provide learn from the poor children education and their education.

#### **3.2 Requirement Collection and Analysis**

- ✓ Admin Login.
- ✓ Student/User Register
- ✓ Admin change Slider Image.
- ✓ Admin Update Portfolio Image.
- ✓ Admin update and add team member
- ✓ Admin View details Register Student .
- ✓ Admin Add, Update and delete Successor In different area.
- ✓ Admin Add ,update ,Delete our client information.

### 3.3 Use Case Modeling

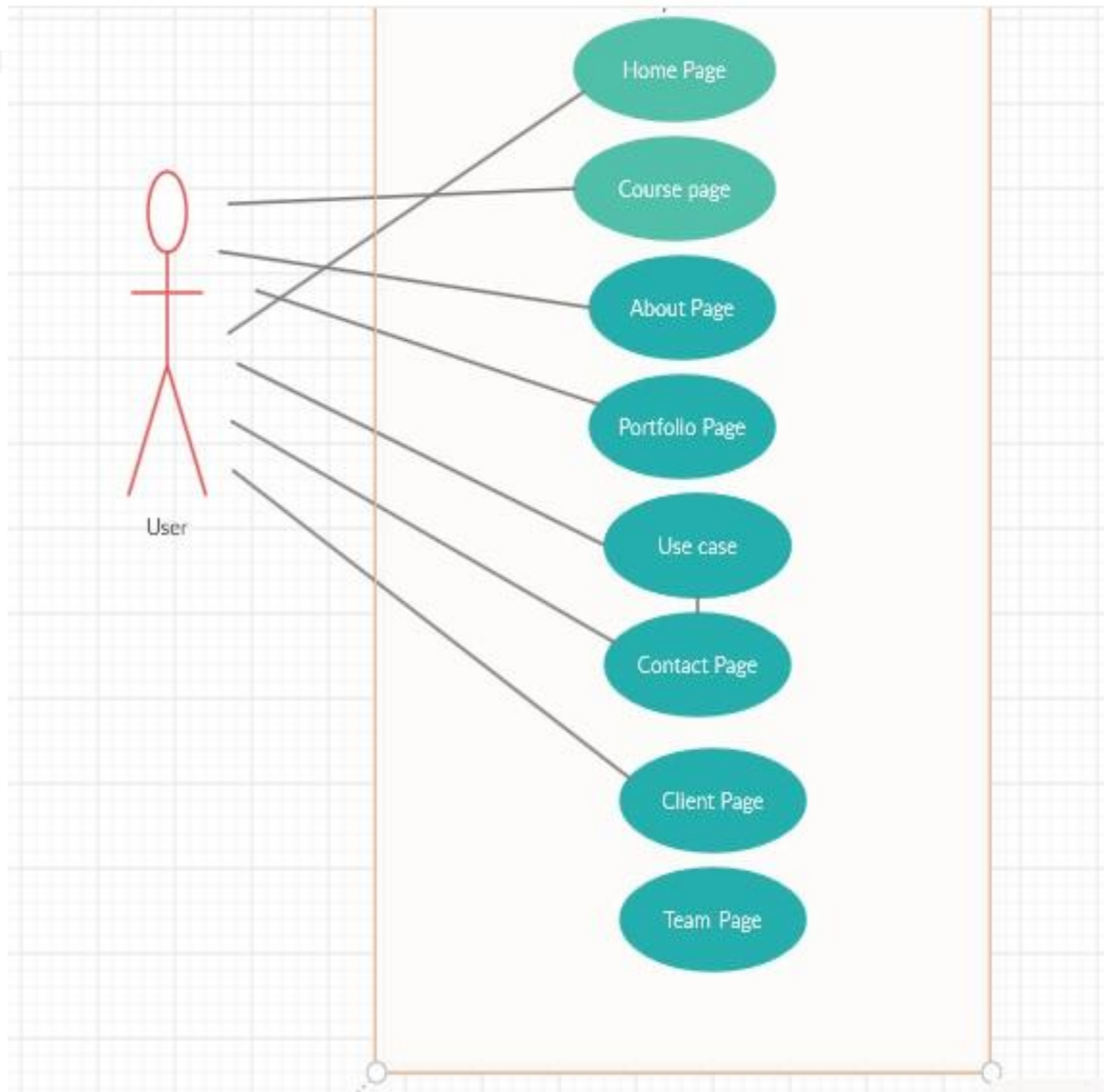


Figure 3.1: User Use Case Model

### 3.4 Logical Data Model

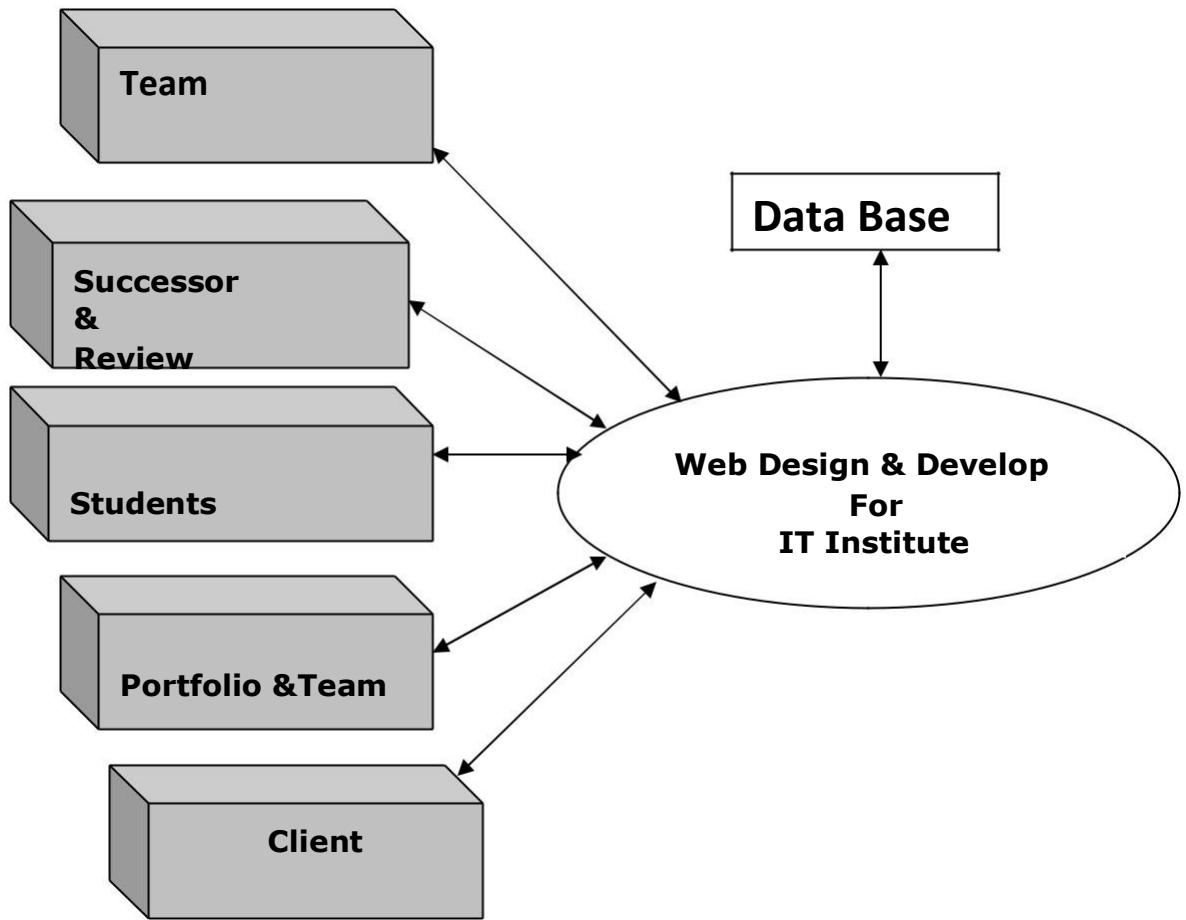


Figure 3.2: Logical Context Design.

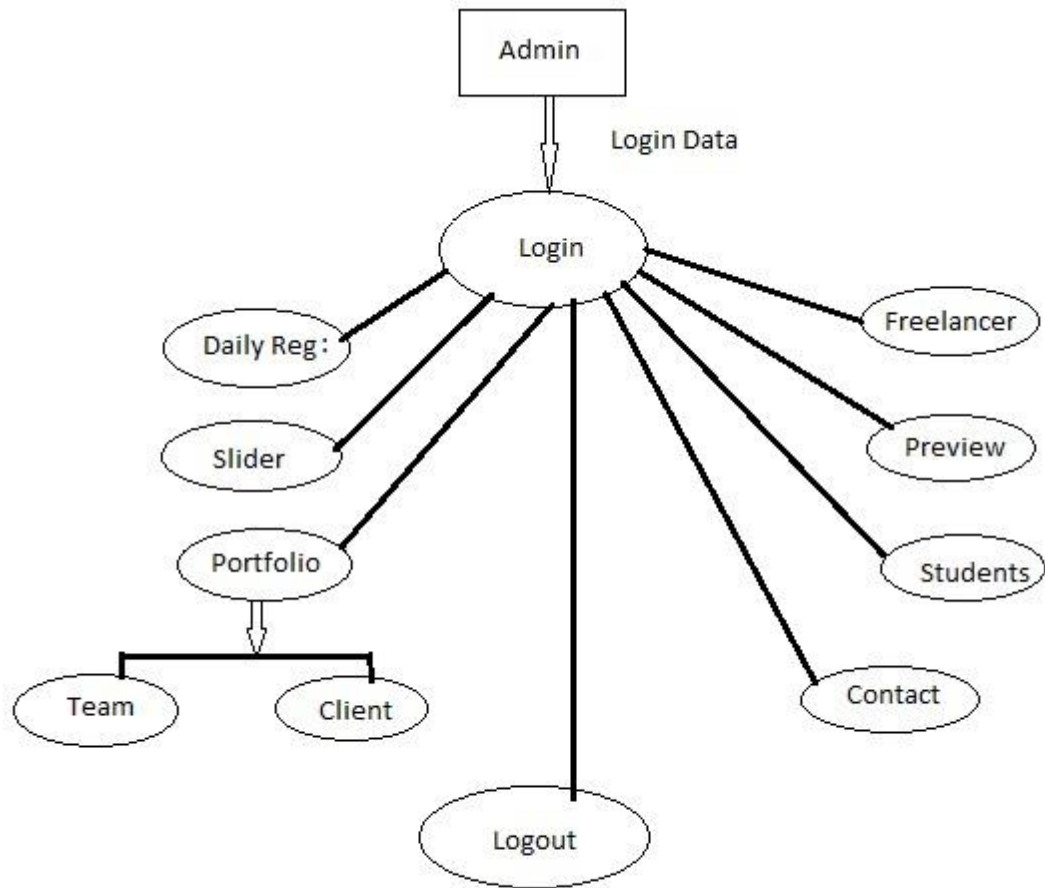


Figure 3.3: Logical Work Flow Diagram.



### 3.5: Design Requirements

**Table 3.1:** Registration form the User Requirement

name for the use case	User Registration
Sharing Actor	User or Student
Condition for event	User must be fill up the admission form as per requirement
Conditions of entry	Before Fill up the form must read the admission procedure
Quality's demand	Every format are requires.

**Table 3.2:** Admin Requirement

Name for the use case	Admin Registration
Sharing Actor	Admin
Condition for event	Admin must be fill up the Register form as per requirement And with a strong password
Conditions of entry	Admin can add, update, delete any kind of data as per requirement

# CHAPTER 4

## DESIGN SPECIFICATION

### 4.1 Front-end Design

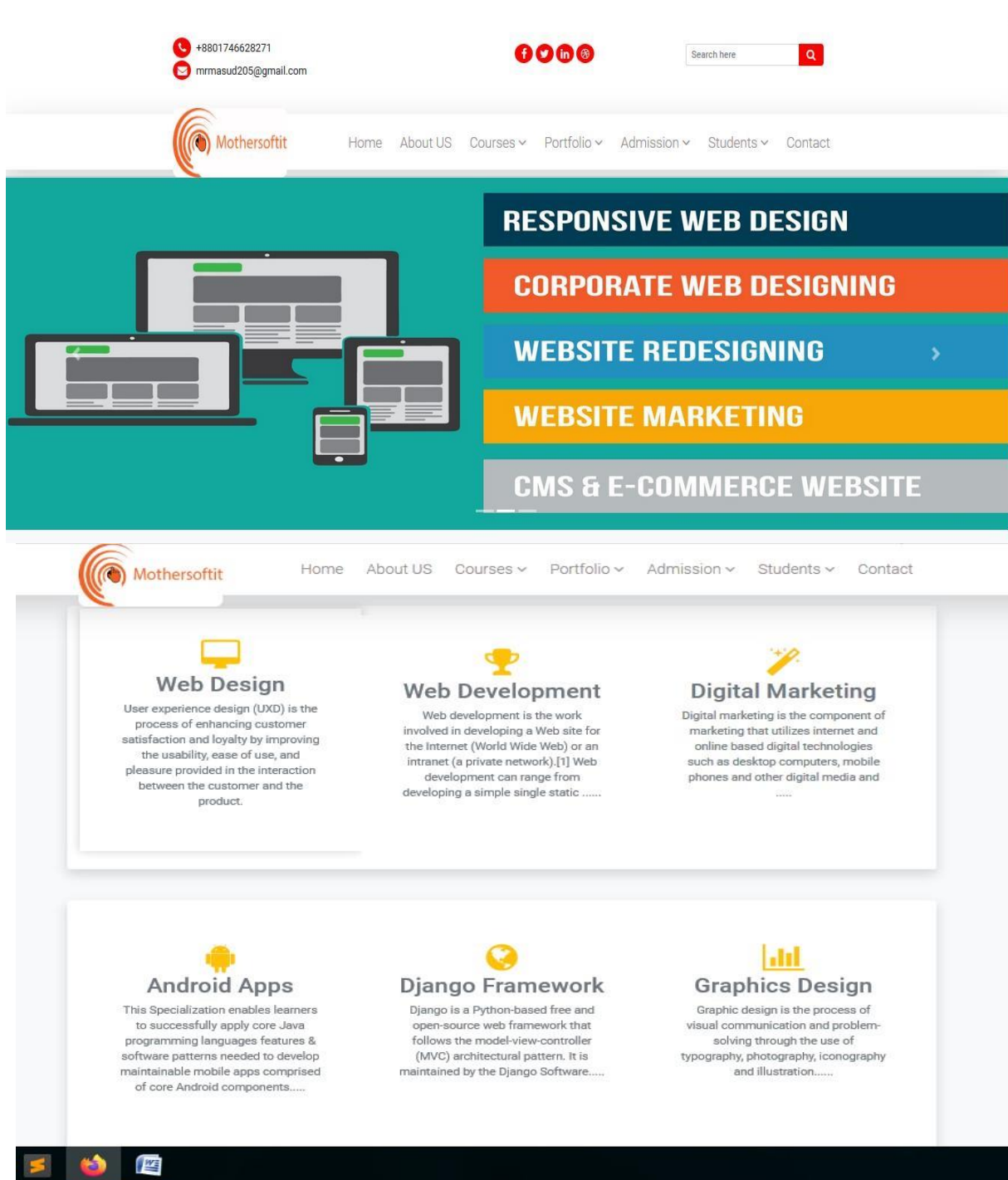


Figure 4.1: Home Page

## GET ADMISSION

### PERSONAL & CONTACT INFORMATION

Student Name		
Father Name	Mother Name	
Present Address		
Permanent Address		
Office Address (if applicable)	NID Number	
Occupation	mm / dd / yyyy	
Nationality ▾	Blood Group ▾	Gender ▾
Email	Phone Number	
Gurdians Phone Number	Relationship with the Gurdians	

### Educational Background

Figure:4.2 User Registration page

## Educational Background

Degree	School/Collage/University	Board	Passing year	Result
SSC/O level				
HSC/Diploma				
Graduation				
Post Graduation				

## Reference Details

Reference Name

Phone Number  Batch

id  Relationship with the Student



Feel free to talk to our online representative at any time you please using our Live Chat system on our website or one of the below instant messaging programs.

Please be patient while waiting for response. (24/7 Support!) Phone General Inquiries: **#+8801746628271**,

## Company Address

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4/2, Daffodil Tower, Sobhanbag, Mirpur Rd, Dhaka 1207  
☎ **#+8801746628271**  
✉ **mrmasad205@gmail.com**

Fill UP this Form and Send a Message to us

Name

Email address

Subject

Message

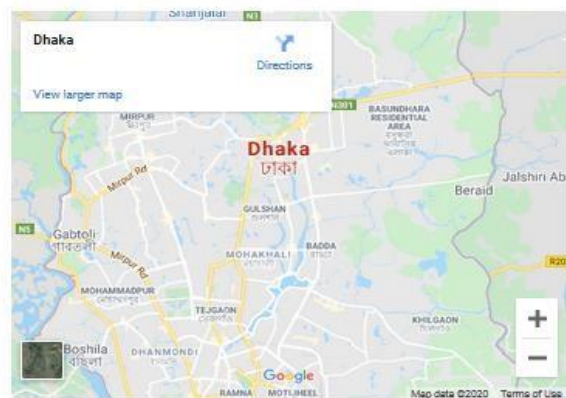


Figure:4.3 –Contact Page

## 4.2 Back-end Design:

The screenshot shows an Admin Panel dashboard for 'MotherSoftIT'. A 'View Record' modal is open, displaying the following information:

**Name:** Md.Munna  
**Father Name:** Md.Makbul Hossen  
**Present Address:**  
**Mother Name:** Moriom  
**Permanent Address:** Dhaka  
**Office:** Dhaka  
**NID:** 9878655678  
**Occupation:** IT Officer  
**DOB:** 2000-07-19  
**Nationality:** Bangladeshi  
**Blood Group:** A+  
**Gender:** Male  
**Email:** aynul086@gmail.com  
**Phone:** 01784847474  
**Guardian Phone:** 01784848484  
**Reference Name:** momin  
**Reference Number:** 01828384844  
**Batch:** 3rd  
**Reference ID:** 78797  
**Reference Relation:** Academic

Degree	School	board	Year	CGPA
SSC	Shalbahar High School	Dinajpur	2014	4.5
HSC/Dip				
Graduation				

The dashboard sidebar includes: Dashboard, Slider, Portfolio, Freelancer, Preview, Students, Contacts, and Logout. The bottom of the screen shows a Windows taskbar with the time 10:13 AM on 9/1/2022.

Figure:4.4 –Admin Panel dashboard

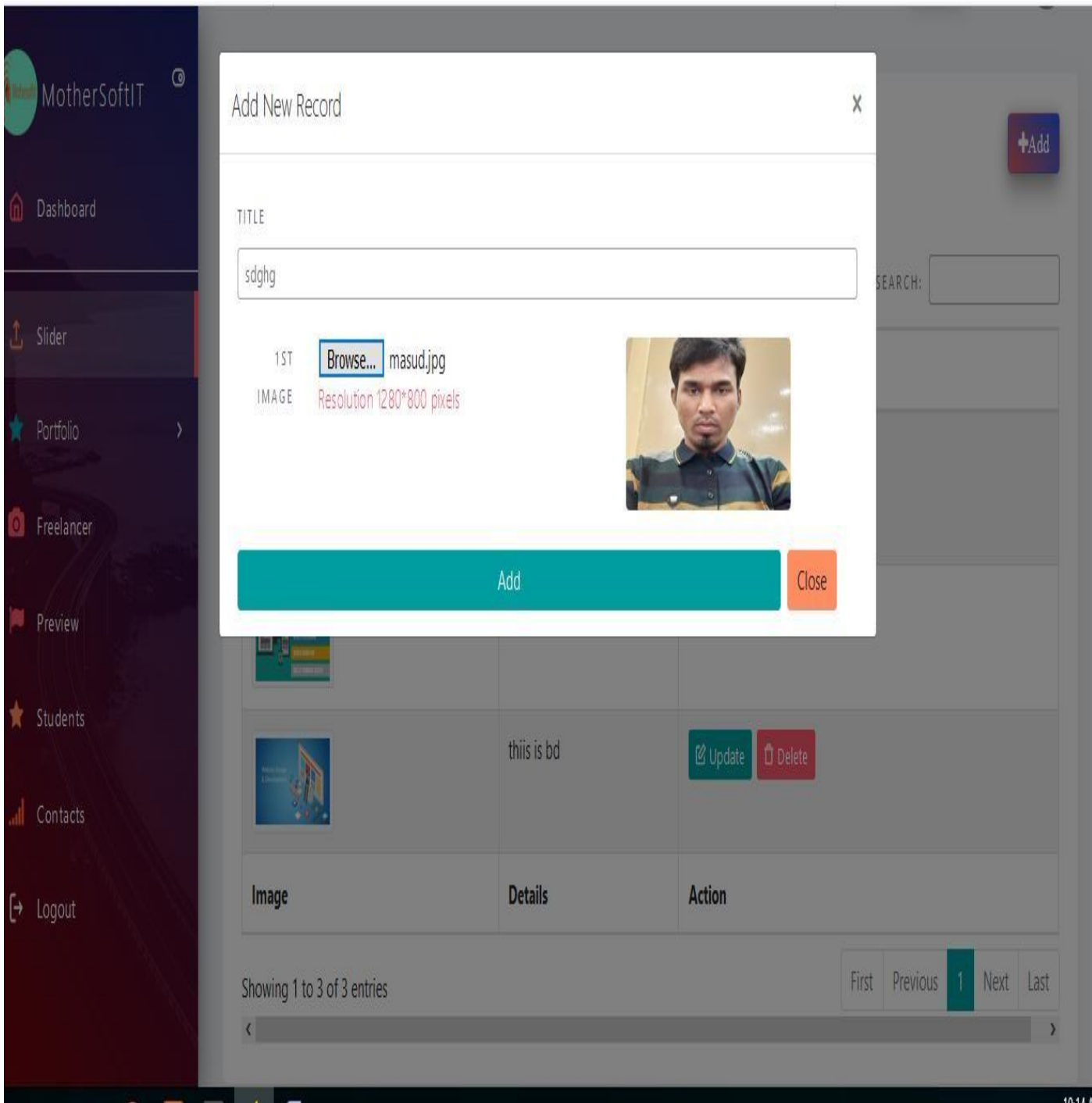


Figure:4.5 New Slider Addition

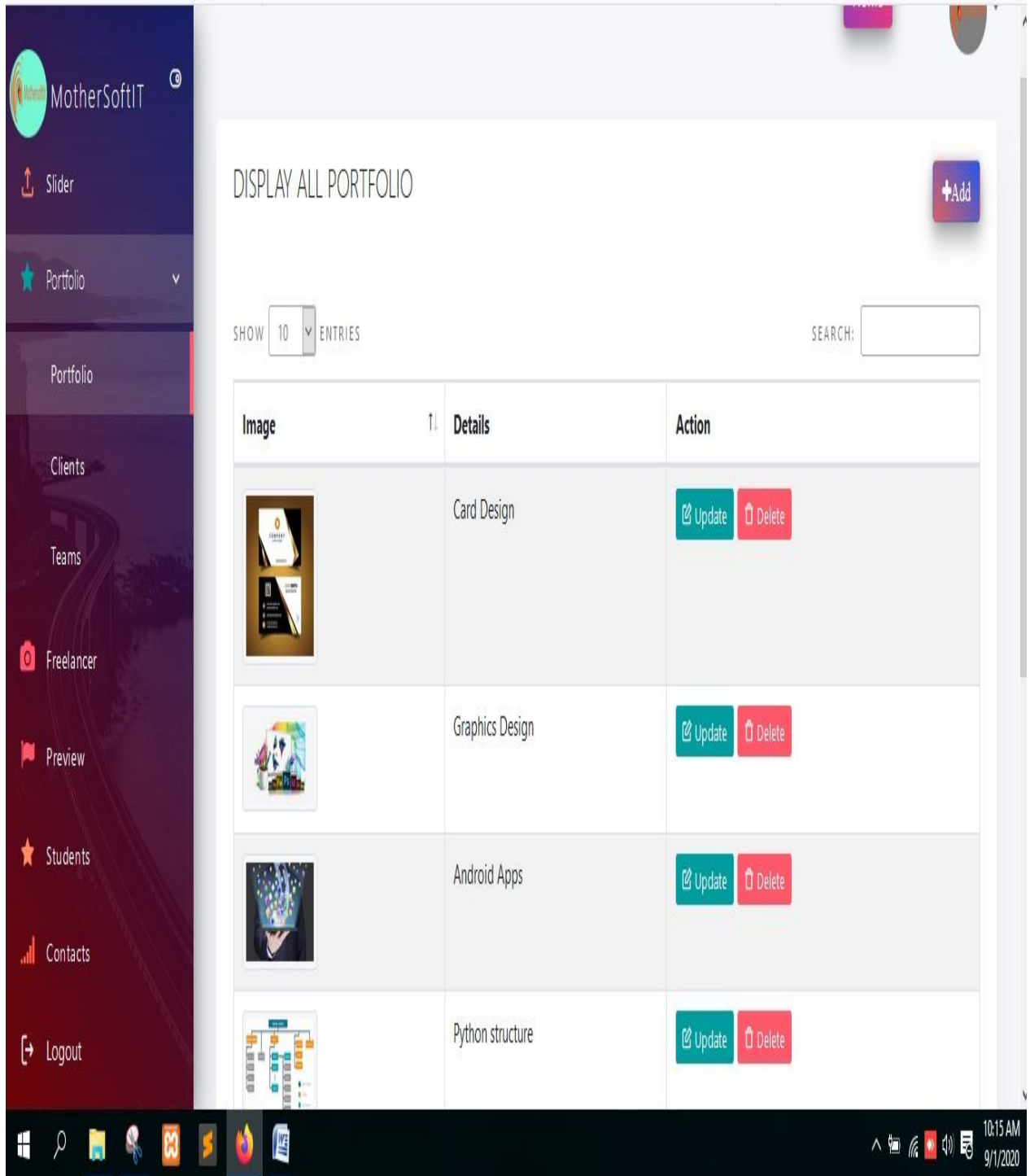


Figure:4.6 –Admin Port Folio

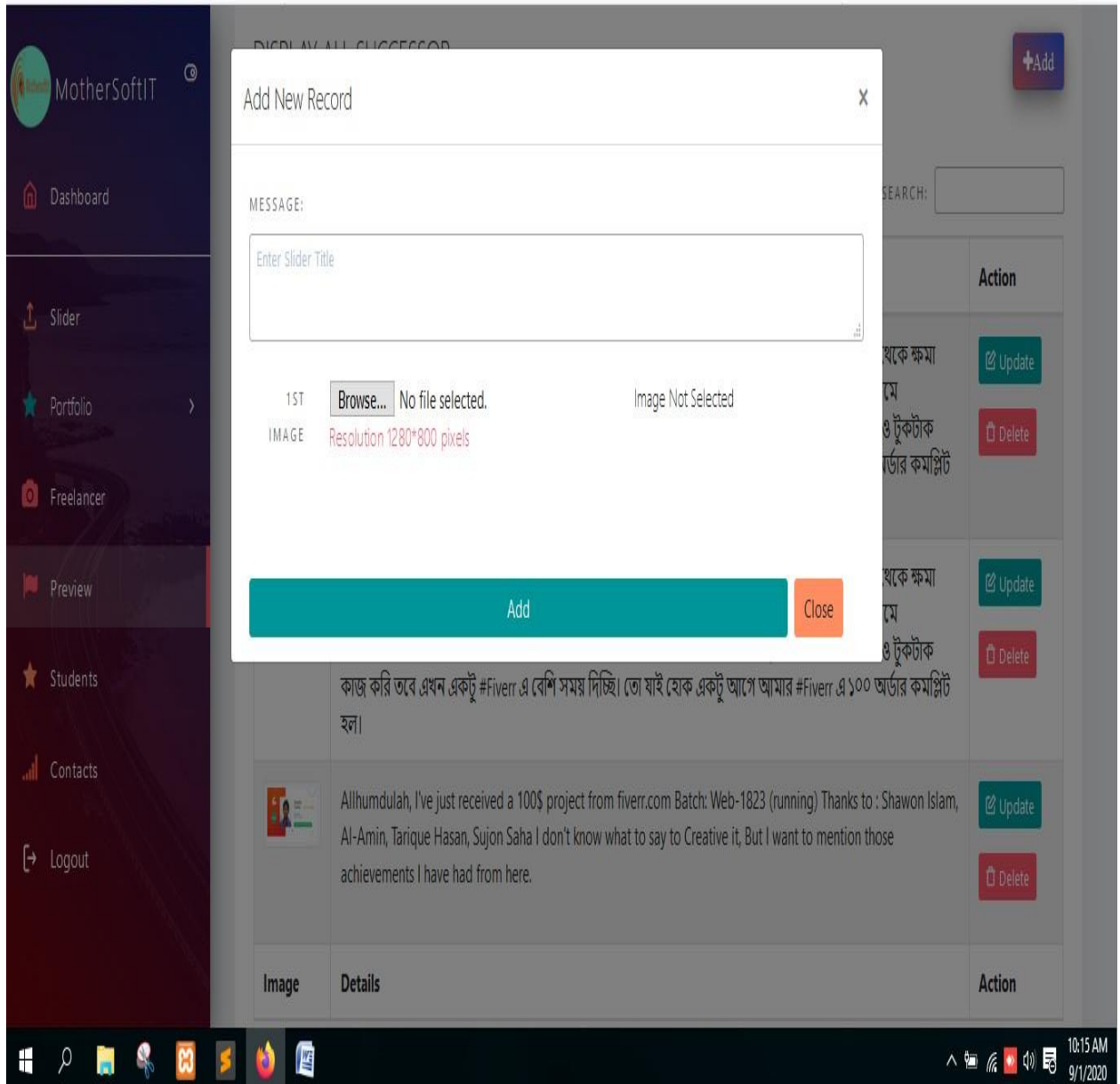


Figure:4.7-Admin Successor Student Preview



### 4.3 Interaction Design and UX:

#### Admin Interaction UX:

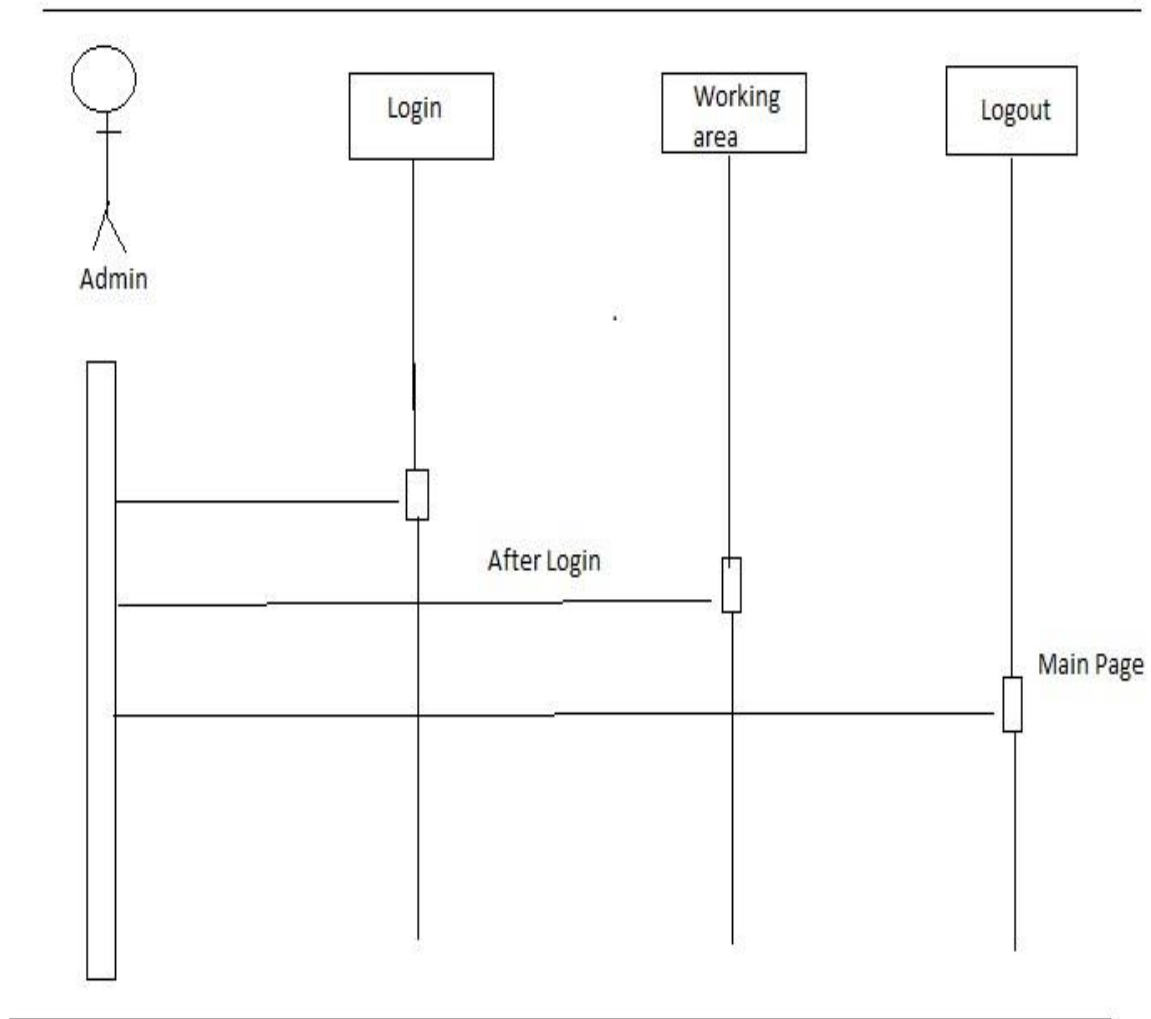


Figure 4.8: Admin Login Interaction Design

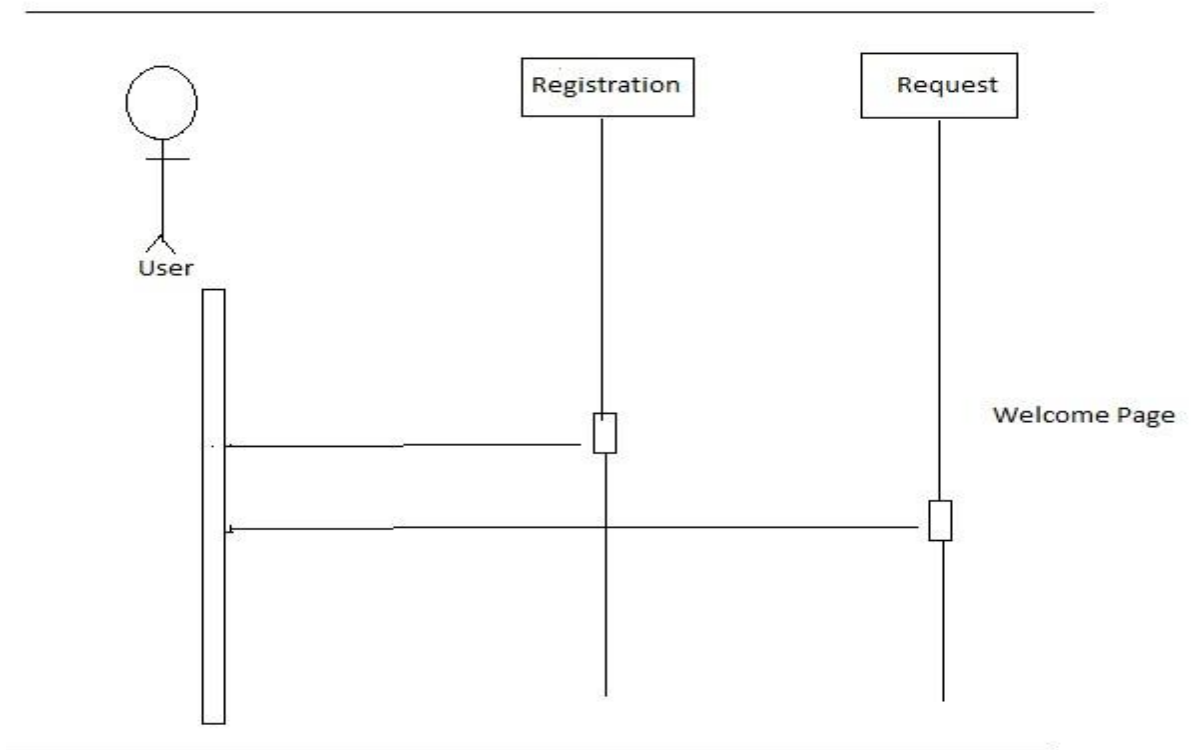


Figure 4.9: User Interaction Design

#### 4.4 Implementation Requirements

**Purpose:** The regular things for Equip this reports is to made a by and large experiences into the examiners and Necessity for this Subsist frameworks or circumstances and for decided the activities Strength of the entire frameworks.

**Scopes:** The normal Documents are plays a Necessary Introduction in the formative measure life cycle and its effect on depict the finished Necessity from a similar framework. It is Intended for clients by the designer and will be the essentials idea during the testing stages.

Any sort of changes made to the Necessity incorporate the prospects should go with the assistance of formal change endorsements measure.

# CHAPTER 5

## IMPLEMENTATION AND TESTING

### 5.1 Implementation of Database

All Separated databases are maintaining for the web based Application. Which mainly consists of the registered student information, the data base of Web application which consists of the records of available student information samples and verify knowledge and Also confirm verify the database of the student BD web application system. which are consists of records of the student identify verify and Their Several Quantity available in student information. All the databases will be hosted on the C panel server. Identify by a student name, sex, age, address and phone number.

#### Database Table:

Table	Action	Rows	Type	Collation	Size	Overhead
clients	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_unicode_ci	16 K1B	-
contacts	Browse Structure Search Insert Empty Drop	7	InnoDB	utf8mb4_unicode_ci	16 K1B	-
failed_jobs	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16 K1B	-
fivers	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_unicode_ci	16 K1B	-
freelances	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_unicode_ci	16 K1B	-
migrations	Browse Structure Search Insert Empty Drop	11	InnoDB	utf8mb4_unicode_ci	16 K1B	-
password_resets	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16 K1B	-
portfolios	Browse Structure Search Insert Empty Drop	6	InnoDB	utf8mb4_unicode_ci	16 K1B	-
sliders	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_unicode_ci	16 K1B	-
students	Browse Structure Search Insert Empty Drop	7	InnoDB	utf8mb4_unicode_ci	16 K1B	-
teams	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_unicode_ci	16 K1B	-
users	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_unicode_ci	16 K1B	-
<b>12 tables</b>	<b>Sum</b>	<b>49</b>	<b>InnoDB</b>	<b>latin1_swedish_ci</b>	<b>192 K1B</b>	<b>0 B</b>

Figure :5.1 Database Design

## **5.2 Implementation Front-end Design:**

To implementing such kind of web application we needed to decide which kind of programming language and what technology we could use. As we worked on front-end as well as the back-end we used following programming languages and frameworks:

### **Front-End**

#### **HTML:**

(HTML) is the Evidence Augment language for Archive design to be displayed in a web browser system from the computer. Web browsers accept HTML Archive from a web server HTML describes the Formation of a web page semantically and Materially Comprised for the Outlook of the Archive.

#### **Bootstrap:**

Definition: Bootstrap is free -source CSS framework Guided at Reactionary, mobile-first and front-end web Improvement system. It Comprise CSS- and JavaScript-based Sketch Measuring rod for typography, we use forms, we use buttons, we use navigation and several interface Element. Bootstrap is the third-most-starred project on Hub, with more than 120,000 stars, Backward only and marginally Aback Vue.js frame-work. It includes HTML and CSS based model Measuring rod typography and forms system and buttons system and tables system and navigation systems, modals systems, image carousels, etc. It also gives us support for JavaScript plugins. We model so many or more than 90% web application by bootstrap.

#### **CSS:**

Definition: (CSS) is a template language its utilized for Describe the Tip of a record composing is an additional language like HTML. CSS is the center innovation of the World Wide Web, alongside HTML and JavaScript. CSS is intended to empower introduction furthermore, content division, including format, hues and textual styles. In spite of the fact that we utilized bootstrap to plan our web application, however we expected to utilize custom CSS to modify the plan part.

## **Back-End**

### **PHP:**

Definition: The PHP is a programming language that Accommodate web developer to making dynamic Contentment that Interlude with the information bases. PHP is regularly utilizes for various creating electronic programming applications.

### **La-ravel Frame Work:**

La-ravel is a free, open-source] PHP web system, made by Taylor well and proposed for the improvment of web applications following the model–see regulator (MVC) building design and dependent on Symphony. A portion of the highlights of LA ravel are a measured bundling framework with a committed reliance chief, various ways for getting to social information bases, utilities that guide in application arrangement and support, and its direction toward syntactic sugar.

### **MySQL:**

MySQL is the most Popular Open Source Relational SQL Database Management System in the World. MySQL is outstanding amongst other RDBMS for refreshing electronic programming application.

MySQL is creating, showcasing and supporting Swedish organization MySQL AB. This site utilizes MySQL possibly incorporate Web pages that open data from the information base. These page are regularly alluded to as unique implying that the substance of each page is create from the information base as a page load. Sites that utilization dynamic pages are frequently notice to as information base driven sites. Numerous information base driven sites that utilization MySQL utilize a web scripting language, for example, PHP to access or store data from the data set.

### **5.3 Testing Implementation:**

The Main of the testing cycle is to ID all the deformities in the web application webpage. Testing gives a useful method of diminishing imperfections in the site and expanding the client's trust in a created framework. It isn't useful to testing the networks application site

with regard to each esteem that the information mentioned by information may expect. In the event that the program neglects to Testing

**Process:**

Login: This system will be provides the security features through Usernames, Passwords matching and other types of works. Only those who have authorization on the system can see and know all of the system's information.

**5.4 Report layout from the result**

**Table 5.1: Test results from the Admin login system**

Name : login system from the Admin				
In no way	Experiment Situation	Prospective Result that we want	Real Output from this system	Some time this Status (yes, no)
Testing 1	Click on the submitting buttons without input the email and Password on the system.	Method doesn't allows Admin to Login in the Admin panel. Show input field red color.	Process displayed messages from the same page .and give more time to actual email and password	Yes
Testing 2	Clicked on the submitting buttons with invalid Email and or Passwords on the system.	It's show this message These credentials do not match our records.	As Prospective.	Yes
Testing 3	Click on submitting buttons with correctly username and password input on the system.	System allows user to login in the System every time.	Systems allows User to access Web based site on rights given to him her all need.	yes

## **CHAPTER 6**

### **CONCLUSION AND FUTURE SCOPE**

#### **6.1 Discussion and Conclusion**

Finally, we have finished to our web design & development for it institute project. After all, by the grace of Allah we just make it. Students will be able to easily get admission here and get jobs in the country and abroad and help in the development of the country. We've heard a lot about the challenges of creating and having a website when we will be designing a program like this. It was a wonderful learning experience and, in the future, we will start to create other websites, which is why we choose the idea. We always kept in mind to make the project user friendly. Our focus was to make the system acceptable to any student/user.

#### **6.2 Scopes for Further Developments:**

1. At present other IT centers do not teach you how to work properly. We have tried so that every learner can learn to work beautifully from our organization and improve the quality of himself and the country.
2. In the future live support will be offered via live chat.
3. Websites will be installed via secure https link.

## REFERENCES

1. Learn about Daffodil International University, available at <<<https://daffodilvarsity.edu.bd/>>>, last accessed on 30-09-2020 at 01:00 PM.
2. Learn about Dusra Soft, available at <<<https://dusrasoft.com/training/freelancing-outsourcing/>>>, last accessed on 01-09-2020 at 12:00 PM.
3. Learn about Creative IT Institute, available at <<<https://creativeit.institute.com/>>>, last accessed on 03-09-2020 at 02:00 PM.



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