

**TUTOR FINDER: A WEB PROJECT FOR FINDING TUITION/TUTOR**

**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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**DAFFODIL INTERNATIONAL UNIVERSITY**

**DHAKA, BANGLADESH**

**6<sup>th</sup> APRIL 2019**

## **APPROVAL**

The project titled “**Tutor Finder: A web project for Finding Tuition/Tutor**”, submitted by M. K. Shahriar Sabuz, ID: 142-15-143, Md. Al Mamun, ID: 142-15-150 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 in 6<sup>th</sup> April 2019.

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## DECLARATION

We hereby declare that, this project has been done by us under the supervision of **Md. Mahfujur Rahman, 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.

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April 2019

## **ABSTRACT**

In this modern age most of the manual systems are replaced with computerized system. Keeping this view, we have taken an attempt to computerized tuition Find system that will play an important role in the field of our Tuition system. This is a web-based application which is highly capable of searching tutors in the least time and remove unnecessary hassles efficiently. With this application the authenticated user can visit the site, see the profile of all available tuition/tutor, their location, expected salary, class of education. They also can make connection with each other and communicate with each other through the message system and get the right tuition for them.

There is an administrative part in the system including verify account, accept account. It is also facilitating to take report about any tuition/tutor and take initiative about them.

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# CHAPTER 1

## INTRODUCTION

### 1.1 Introduction

This project has been created for an online search portal for placements in order to find a tuition. Check the tuition-seekers/students list which is available for tuition / tutor and apply for tuition. Tutor / Student login to upload their information with their qualification/requirement. Then after checking the tutor/student information, then send the request for the connection and contact each other and get the tuition.

### 1.2 Motivation

In Bangladesh 4.20 percent people are unemployment, people can't find their job properly. Newspaper or other Source and this process also time-consuming .So for solving this problem, we want to develop a project like online Job portal System. Here people can find easily their job up to date. [1] This job portal give a platform the job seeker or candidate to easily find job as their qualification & also help company/job holder choose their valuable candidate.

### 1.3 Objectives

- Provide the information of new tuitions/tutors.
- Reduce time & cost
- Easily find large amount of tuitions/tutors.
- Search According their Skill.
- Search According their Location.
- Make standard profile.
- Online apply for tuition
- Messaging system

- Get notification when new connection request appear
- To Provide the information resume
- Tutors/tuitions easily find the tuition.

## **1.4 Business Process**

**Here the process goes in the following way:**

1. Tutor/student register for the profile.
2. The profile of the tutor/student is added to the database.
3. The tutor/student check the available tutor/tuition.
4. The student/tutor send the request to the available tutor/student.
5. After accept request send message to communicate
6. Tutor/student make deal between them and start tuition
7. Tutor/student send report about any one with wrong information
8. If all required desire tuition is processed tutor/student turn off their availability.

## **1.5 USER LIST**

### **1.5.1 User: Tutor**

Tutor is one of the user of this system. They are basically add their profile in the system. Each tutor can login to the system by entering their separate user name and password. They will access the system for search tuition and send request to the student. They can send message to the student and admin and also they can report about any tutor in any wrong id happen.

### **1.5.2 User: Student/ Parents of student**

Student is another user of this system. They are basically add their profile in the system. Each student can login to the system by entering their separate user name and password.

They will access the system for search tutor and send request to the tutor. They can send message to the tutor and admin and also they can report about any tutor in any wrong id happen.

### **1.5.3 User: Admin**

Admin is the key users of this entire web system. Admin has the power to confirm any new account to add profile to the system. Admin can do or modify the system in terms of conditions. Admin have the power to do everything. He can add or remove something from the system anytime for the betterment of the web. He will delete any account (if any wrong activity will find) from the system.

## **CHAPTER 2**

### **SERVICES OF OUR SYSTEM**

In our system, we provide

1. Tuition Search
2. Connect with tutor/student
3. Message service

Services to our user

#### **2.1 Tuition Search**

Tuition search is one of the difficult job to do for student and tutor now a days. Parents of student is not able to get the right tutor the way they are using searching system in their life. And also tutor is not get their desire tuition in which they can earn some money in the time they studies in the higher study. Our developed system help tutor /student search for the tuition with some relative criteria. Where they live, which class student tuition they want/ they read how much they get paid/ want to pay which medium tuition they want. Which institute tutor they want everything user can search in our developed system. Our will provide the best search result to the tutor/student about a tuition.

#### **2.2 Connect with tutor/student**

After search tutor can connect with student or student can connect with tutor through or system. They system work in through some process, if tutor desire search is found then tutor send a request to the student for connection. The connection request will appear in the student profile and student can decline and accept the request. This procedure will also followed by the student to connect with any tutor.

#### **2.3 Message Service**

After opening an account any student or tutor can message to the admin for any query. And also after establishing a connection a student or teacher can communicate with each other through the message system in the system.

## **2.4 SOCIO-ECONOMICAL ISSUE**

Tuition is one of the important job for student who is study in higher education. In Bangladesh it is difficult for everyone to find a perfect part time job to earn money in the time he/she studies. So tuition helps tutor to spread knowledge and earn money to maintain his/her study time income. We are supposed to create a website in which tutor/tuition can find out all the desire tuition with desire location and money locates in anywhere in Bangladesh through our website.

## **2.5 BENEFITS**

### **For Tutors/Tuitions:**

1. New level of tuition/tutor search service;
2. Reduced searching cost;
3. New possibility of get right tuition;
4. Real time data availability;
5. Statistical analysis readiness;

## **2.6 EXPECTED OUTCOME**

We develop this dynamic system with interactive design to find appropriate tuition for appropriate student/tutors and also tutors/students will be able to post their profile and find appropriate tutors/tuitions for the tuition. Also contact each other through this system [2]

## **CHAPTER 3**

### **SYSTEM ANALYSIS**

In this chapter, we will discuss the development process and analyze it “Tutor finder: A Web Project for Finding Tuition/Tutor”, including software requirement specification (SRS) and comparison between existing and proposed system. The functional and nonfunctional requirements are included in SRS part to provide complete description and overview of system requirement before the developing process is carried out. Besides that, existing vs. proposed provides a view of how the proposed system will be more efficient than the existing one.

#### **3.1 SOFTWARE REQUIREMENT SPECIFICATION**

##### **Product Description:**

A tuition/tutor finder system a computerized system which helps people to manage the search to find tuition. It reduces time consuming. It can help user to manage the data record more effectively and time-saving.

##### **Problem Statement:**

The problem occurred before having computerized system includes:

1. It was so hard to find a tuition in the desire requirements.
2. It was not possible to get tuition for a new tutor.
3. In this system people get his/her current tuition condition also advice. It saves our valuable time and consume cost at a time.

## **3.2 USER REQUIREMENTS**

Enumerated Functional Requirements:

1. System should retrieve data from database
2. System should store data into database
3. System should display distribution
4. System should display profile of tuition/tutor
5. System should let the user to contact with the other user

**Enumerated Nonfunctional Requirement:**

1. The system shall have high security. For example, only administrator could get Access into Web Manage Page. And Users information will not be divulged.
2. The system shall respond rapidly to the users' operation. For example, users don't need to wait for too much time after clicking or selecting a button.
3. The system shall allow many people to use at the same time. It will not be Crashed by the system.
4. The system should require minimum maintenance, at most once per week.

## **3.3 SOFTWARE AND HARDWARE REQUIREMENTS**

This section describes the software and hardware requirements of the system

**Software Requirements:**

1. Operating system- Windows 10 is used as the operating system as it is stable and supports more Features and is more users friendly.
2. Database MySQL- MySQL is used as database as it easy to maintain and retrieve records by simple queries which are in English language which are easy to understand and easy to write.
3. Development tools and Programming language- HTML is used to write the whole

Code and develop web pages with CSS, java script for styling work and PHP for Server-side scripting.

### **Hardware Requirements:**

1. Intel core i3 2nd generation is used as a processor because it is fast than other processors and provide reliable and stable and we can run our pc for longtime. By using this processor, we can keep on developing our project without any worries.
2. Ram 1 GB is used as it will provide fast reading and writing capabilities and will in turn support in processing.

### **3.4 EXISTING VS PROPOSED SYSTEM**

Now a days it's the time of science and technology. Some websites are available on tuition finder. Those are an informatics website. There are no websites are available from that tutor or student could communicate with each other within the system.

### **3.5 LACKING OF EXISTING**

There is two existing method to get a tuition

#### **Offline System:**

Through this system student need to know the tutor personally or take help from an agency who help to get a tuition. But there is some problem in this system (i) we need to depend on other people to get the tuition (ii) and it is a time consuming (iii) there is a few option to choose.

#### **Online System:**

There are a few online platform like bdtutors.com [3] where you can get a tuition but the tutor and student can't communicate with each other with in the system. They need to depend on cellphone or email service to communicate with them. And both have no access to choose the option.



### **3.6 OVERVIEW AND EXPECTATIONS FROM OUR SYSTEM**

After carrying out the analysis on the present system and thus highlighting its shortcomings, the researcher considered the option of introducing an innovative, efficient and effective system to implement the advance search and connection policy. The system is very simple in design and to implement. The system requires very low system resources and the system will work in almost all configurations. It has got following features:

- Ensure data accuracy.
- Records are efficiently maintained by DBMS.
- DBMS also provides security for the information.
- Any person across the world, having internet can access this service.
- User will get their desire search result
- User can add their profile to get the desire result
- Minimum time needed for the various processing.
- Better Service.
- Communication system within the system
- Minimum time required. .
- Personalized services.

### **3.7 SOFTWARE TOOLS USED**

The whole Project is divided in two parts the front end and the back end.

#### **Front End:**

The front end is designed using of html, CSS, Java script

**HTML:**HTML or Hyper Text Markup Languages the main markup language for creating web pages and other information that can be displayed in a web browser.HTML is written in the form of HTML elements consisting of *tags* enclosed in angle brackets (like <html>), within the web page content. HTML tags most commonly come in pairs like <h1> and </h1>, although some tags represent and so are unpaired, for example <img>. [4]

**CSS:** Cascading Style Sheets (CSS) is a style sheet language used for describing the look and formatting of a document written in a markup language. While most often used to style web pages and interfaces written in HTML and XHTML, the language can be applied to any kind of XML document, including plain XML, SVG and XUL. CSS is a cornerstone specification of the web and almost all web pages use CSS style sheets to describe their presentation.CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colors, and fonts. [5]

**JAVA SCRIPT:** JavaScript (JS) is a dynamic computer programming language. It is most commonly used as part of web browsers, whose implementations allow client-side scripts to interact with the user, control the browser, communicate asynchronously, and alter the document content that is displayed. It is also being used in server-side programming, game development and the creation of desktop and mobile applications. JavaScript is a prototype-based scripting language with dynamic typing and has first-class functions. Its syntax was influenced by C. JavaScript copies many names and naming conventions from Java, but the two languages are otherwise unrelated and have a very different semantics. The key design principles within JavaScript are taken from the self and Scheme programming languages. It is a multi-paradigm language. [6]

#### **BACK END:**

The back end is designed using MySQL and PHP which is used to design the databases and logic

**MySQL:** MySQL is the world's second most widely used open-source relational database management system (RDBMS). It is named after co-founder Michael Wideners daughter; The SQL phrase stands for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements. MySQL was owned and sponsored by a single for-profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation.[7]

**PHP:** PHP is a server-side scripting language designed for web development but also used as a general-purpose programming language. PHP is now installed on more than 244 million websites and 2.1 million web servers. Originally created by Ramus Leadoff, the reference of PHP is now produced by The PHP Group. While PHP originally stood for it now stands for PHP: hypertext Preprocessor a recursive background PHP code is interpreted by a web server with a PHP processor module, which generates the resulting web page: PHP commands can be embedded directly into an HTML source document rather than calling an external file to process data.[8]

## **CHAPTER 4**

### **SYSTEM DESIGN**

The design of the system will design different program modules, their features and functions and how they interact with each other. The system design will front-end designs which will store all the information in the database where all the information is stored and functions and subroutine that will link front-end and back-end and provide data manipulation.

The purpose of the new approach will be to develop some programmable modules for communication; they will need a way to communicate with each other.

As well as administering users, tuition searching, connection establish, admin users can also create signed and created managers of signed up users. In order to code HTML and CSS layouts, these developments were generally achieved using the development tool Dreamweaver, when the functions edited by different users are usually required using PHP scripting language and JavaScript. Finally, system users' sessions tracking is implemented to track access to users' accessibility and various functions such as a regular user cannot perform system administrators' tasks

#### 4.1 OVERVIEW OF DATA FLOW DIAGRAM:

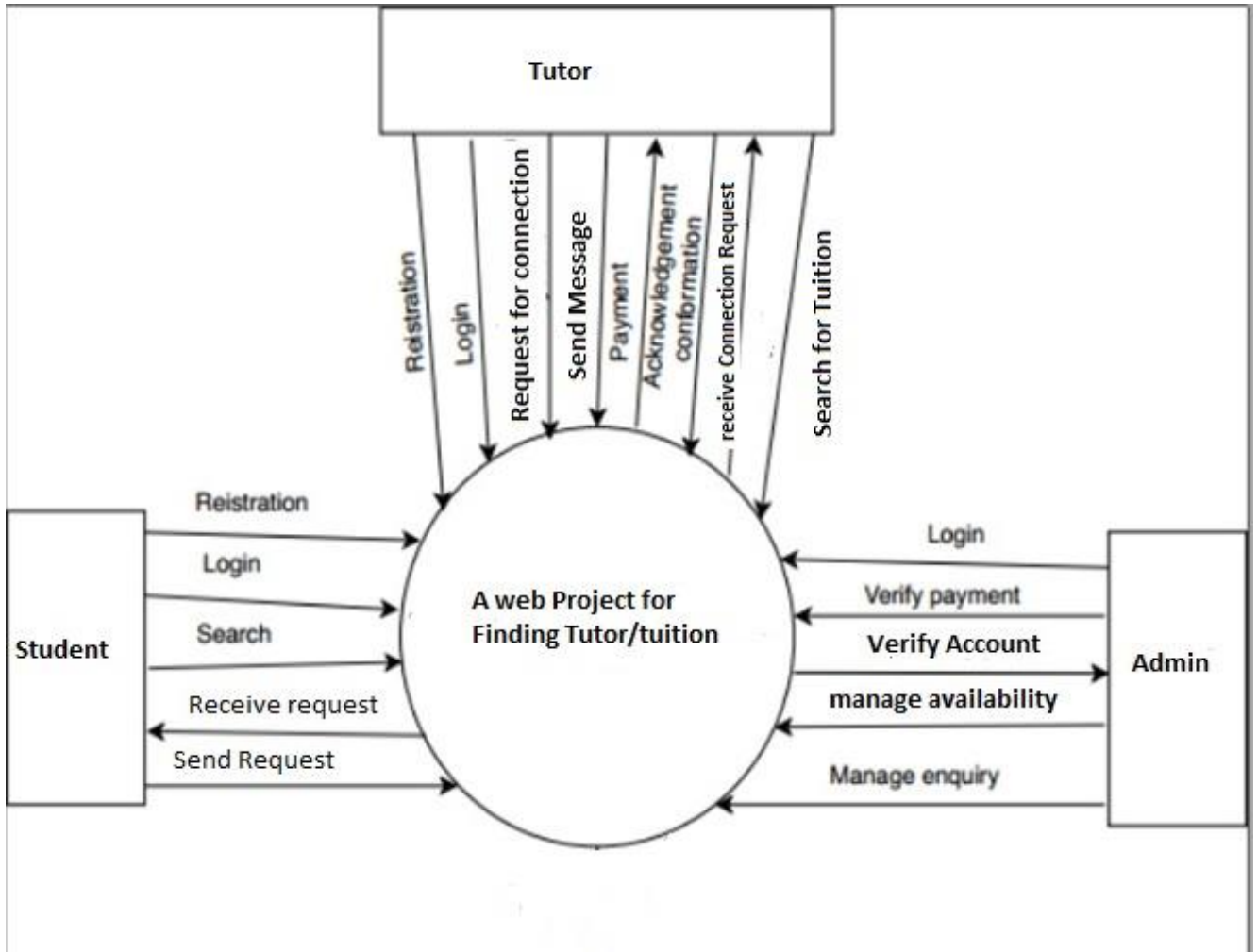


Figure 4.1: Context Diagram of Tutor Finder

## 4.1.1 DATA FLOW DIAGRAM

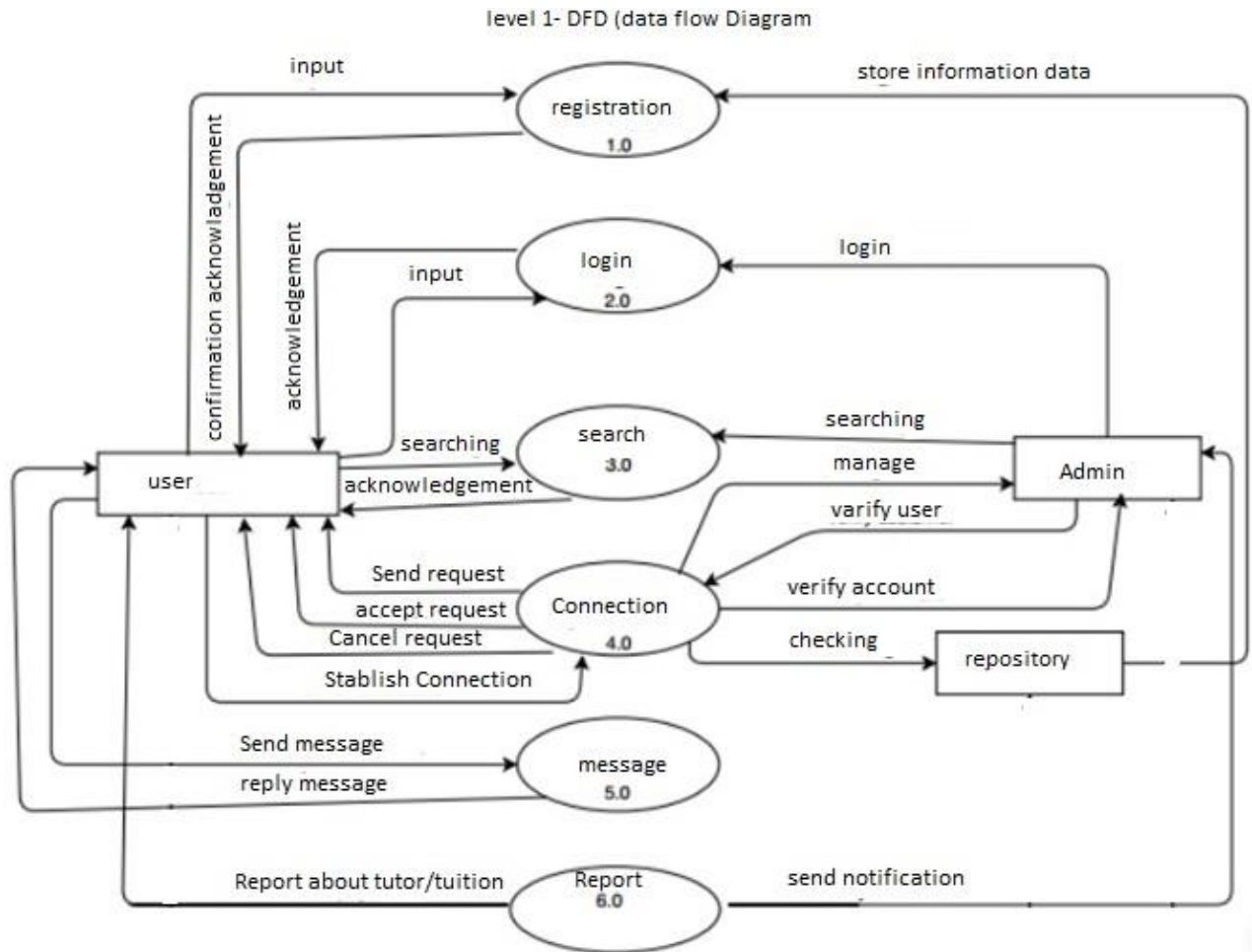


Figure 4.1.1: DFD Level-1

## 4.2 Use Case Diagram

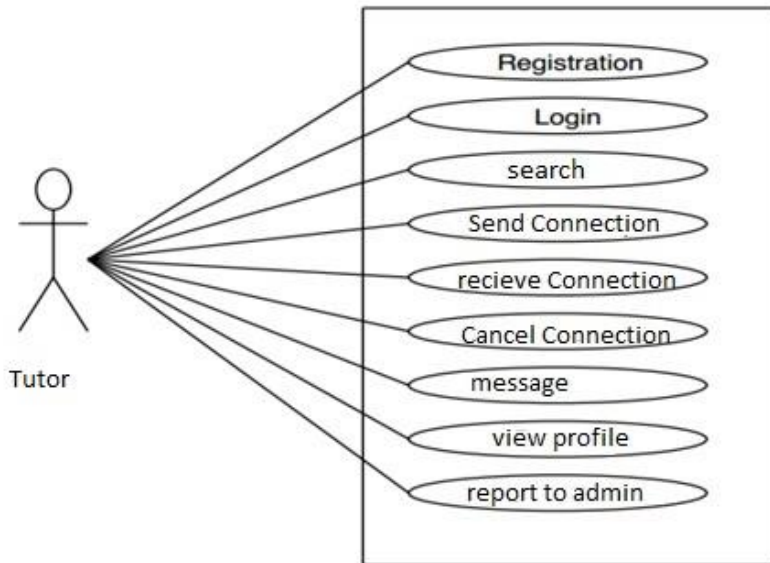


Figure 4.2.1: Use Case Diagram (Tutor)

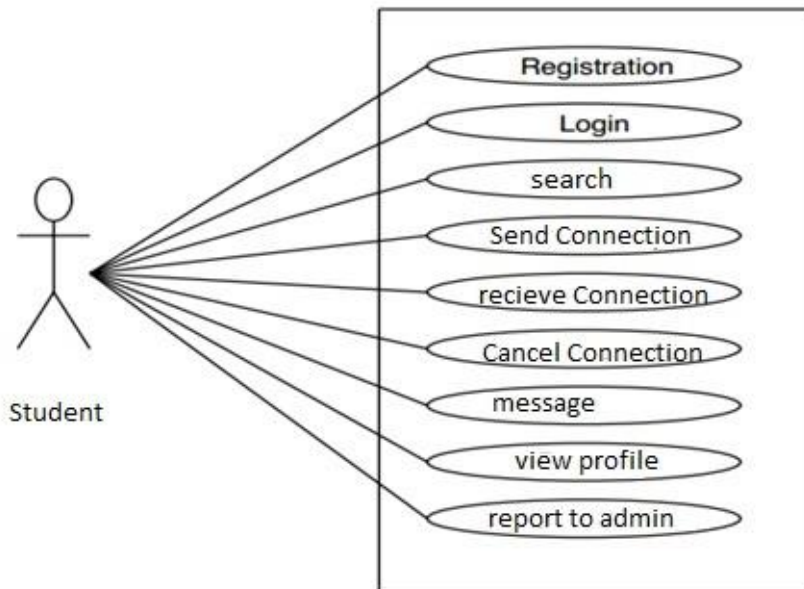


Figure 4.2.2: Use Case Diagram (Student)

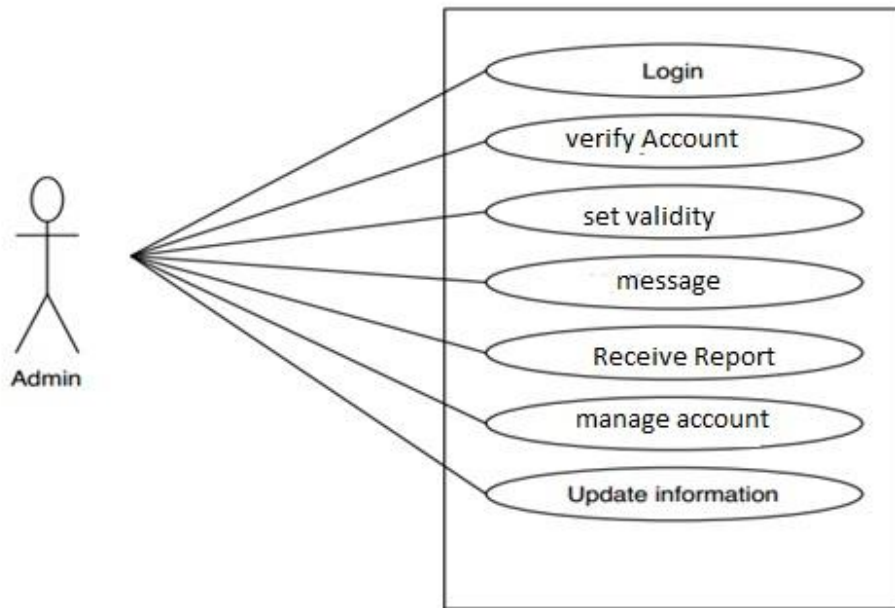


Figure 4.2.3: Use Case Diagram (Admin)



## **CHAPTER 5**

### **IMPLEMENTATION**

Implementation of new system can take place to determine the success of the system. Implementation stages of a system provide user confidence. This procedure has been designed so that most problems can be managed. The tasks involved in implementation process are given below.

1. Premises are to be allocated to establishment of new system.
2. Necessary hardware and software components are to be arranged.
3. Production of a complete set of documentation is needed.
4. Every part of development web site is to be tested.
5. Method of changed over is to be planed.
6. Overall system is also to be tested.

## 5.1 HOME PAGE OF OUR SITE

S/T MANAGER

Search

 Shifat Jaman
 [Home](#)
[Tutors](#)
[Tutions](#)
[About](#)
[Log Out](#)

### Tutors (Recently Posted) View all

**Babu Moshai**  
 Bio : honours  
 Interested : Math ,JCT  
 Class : SSC-Science  
[Read More >>](#)

**Saddam Hossain**  
 Bio : 12 sem CSE, DIU  
 Interested : ,  
 Class :  
[Read More >>](#)

**Shatil**  
 Bio : 4th Sem, CSE, AIUB  
 Interested : Math ,English  
 Class : HSC-Science  
[Read More >>](#)

**Rezwan**  
 Bio : BSc in CSE , AIUB  
 Interested : ICT ,Physics  
 Class : SSC\_science  
[Read More >>](#)

**Tips**

You can put advertisement for tution and it's free. Just sign up an account and start posting.

### Students (Recently Posted) View all

**English,Math**

Name : Rafi Uddin  
 Education: Class 9(Science), DRMC  
 Location : Mirpur  
 Day : 5days a week  
 Salary : 3k  
[Learn More](#)

**ICT,Math**

Name : Sraboni Alfarrah  
 Education: Class 11(Science), BCIC Collage  
 Location : Mirpur  
 Day : 5days a week  
 Salary : 3k  
[Learn More](#)

**Accounting,Accounting**

Name : Shimul Akter  
 Education: Class: 10(Business),Banani  
 Bidya Niketon  
 Location : Banani  
 Day : 5days a week  
 Salary : 3k  
[Learn More](#)

**Math,Chemistry**

Name : Akash Das  
 Education: class 10 Science, MGHS  
 Location : Dhanmandi  
 Day : 5days a week  
 Salary : 5k  
[Learn More](#)

**English,Physics**

Name : Ripon  
 Education: SSC, St Joseph  
 Location : Dhanmandi  
 Day : 5days a week  
 Salary : 3k  
[Learn More](#)

**Math,English**

Name : Tazin  
 Education: class 8, DRMC  
 Location : Ajimpur  
 Day : 5days a week  
 Salary : 4k  
[Learn More](#)

Figure 5.1: Home page of Tutor Finder

This is home page where the visitors can visit about web, FAQ, contact us and user can visit profile, Search profile, Show Profile, update profile and change password.

## 5.2 REGISTRATION:

**S/T MANAGER** Search for.. Search Home Tutors Tutions About Log In Sign Up

### Sign Up Registration

Full Name:

Phone Number:

Email Address:

Password:

Education:

Location:

You are a :  
Tutor   
Student

Figure 5.2: Registration

This is a registration view page where the visitor put the personal details for registration and will press register key.

## 5.3 LOGIN PAGE

**S/T MANAGER** Search for... Search Home Tutors Tutions About Log In Sign Up

### Log In

Email Address:

Password:

[Log in](#)

If not , [register now](#)

Figure5.3: login page

This is the page where user can login after registration and they connect with other account.

## 5.4 Tutor Profile

The screenshot displays a web interface for a Tutor Profile. At the top, there is a green navigation bar with the text "S/T MANAGER" on the left, a search bar with "Search for..." and a "Search" button in the center, and a user profile "Shifat Jaman" with navigation links "Home", "Tutors", "Tutions", "About", and "Log Out" on the right.

The main content area is divided into two sections:

- Profile Card:** On the left, there is a profile picture of a man with glasses wearing a blue polo shirt. Below the photo, the name "Shifat Jaman" is displayed. Underneath the name are two buttons: "Message" and "Connected". Below these buttons, there is a list of contact and personal information:
  - Home: Mohammadpur
  - Email: azadtoukir@gmail.com
  - Phone: 01686443655
  - Role: Student
  - Course: 12th sem, CSE, DIU
- More Information:** On the right, there is a section titled "More Information" with an "Edit" button in the top right corner. It contains several fields:
  - Status: Available
  - Medium of Interest: Bengali
  - Expected Student: SSC\_science
  - Subject of Interest 1: Math
  - Subject of Interest 2: ICT
  - Expected Salary: 5k

Figure 5.4: Tutor profile

This is the page where the tutor can edit their profile.

## 5.5 Student Search

**S/T MANAGER** Search for... Search Shifat Jaman Home Tutors Tutions About Log Out

### Find Your Students

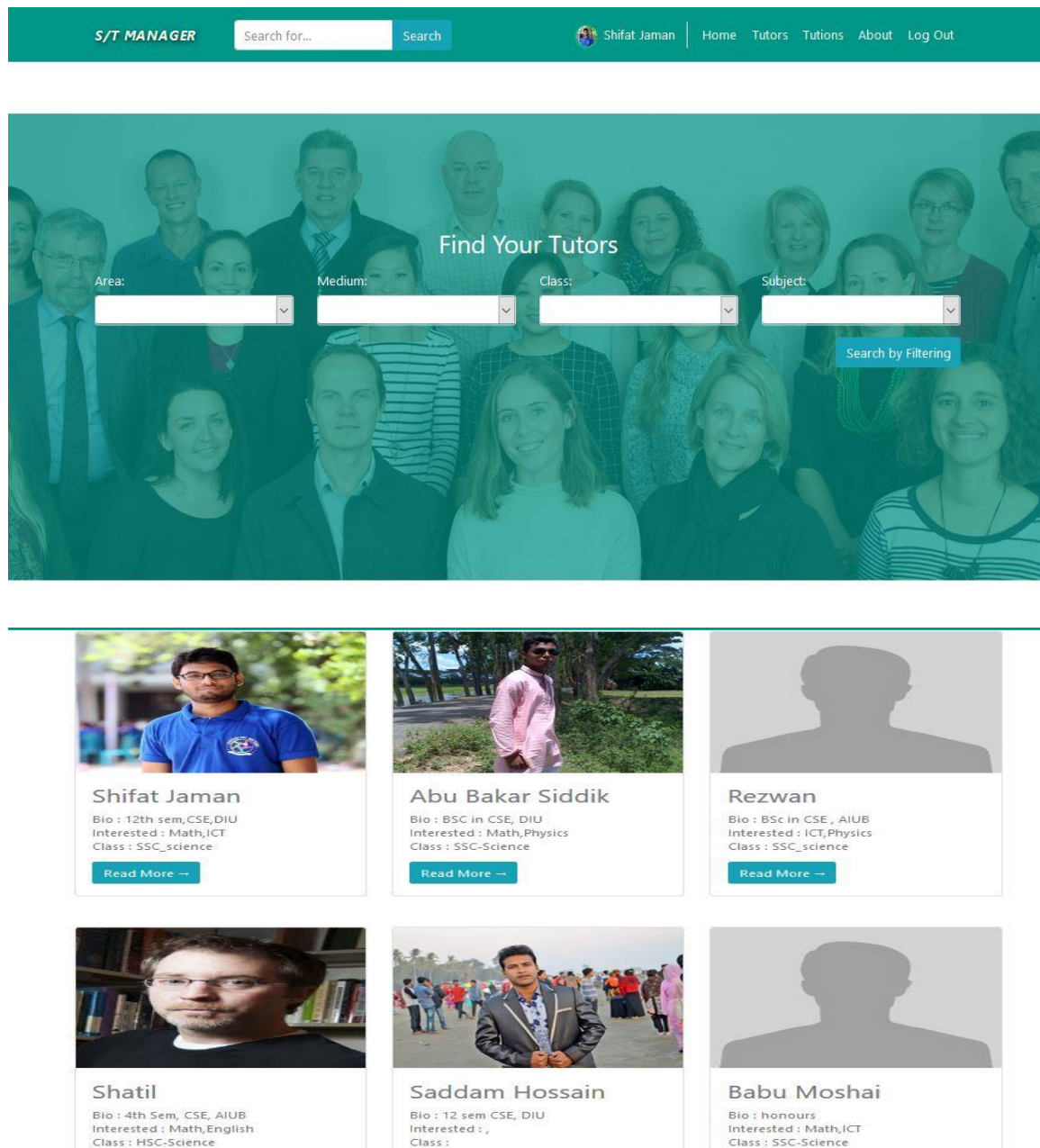
Area: [Dropdown] Medium: [Dropdown] Class: [Dropdown] Subject: [Dropdown] Search by Filtering

<b>English,Math</b> Name : Rafi Uddin Education: Class 9(Science), DRMC Location : Mirpur Day : 5days a week Salary : 3k <a href="#">Learn More</a>	<b>ICT,Math</b> Name : Sraboni Alfarrak Education: Class 11(Science), BCIC Collage Location : Mirpur Day : 5days a week Salary : 3k <a href="#">Learn More</a>
<b>Accounting,Accounting</b> Name : Shimul Akter Education: Class: 10(Business),Banani Bidya Niketon Location : Banani Day : 5days a week Salary : 3k <a href="#">Learn More</a>	<b>Math,Chemistry</b> Name : Akash Das Education: class 10 Science, MGHS Location : Dhanmandi Day : 5days a week Salary : 5k <a href="#">Learn More</a>

Figure 5.5: Student Search

This is the page where the Tutor Can Search for all Available Student

## 5.6 Tutor Search



**S/T MANAGER** Search for... Search Shifat Jaman Home Tutors Tutions About Log Out

### Find Your Tutors

Area: Medium: Class: Subject: Search by Filtering







 <p><b>Shifat Jaman</b> Bio : 12th sem, CSE, DIU Interested : Math, ICT Class : SSC_science <a href="#">Read More</a></p>	 <p><b>Abu Bakar Siddik</b> Bio : BSc in CSE, DIU Interested : Math, Physics Class : SSC-Science <a href="#">Read More</a></p>	 <p><b>Rezwan</b> Bio : BSc in CSE, AIUB Interested : ICT, Physics Class : SSC_science <a href="#">Read More</a></p>
 <p><b>Shatil</b> Bio : 4th Sem, CSE, AIUB Interested : Math, English Class : HSC-Science</p>	 <p><b>Saddam Hossain</b> Bio : 12 sem CSE, DIU Interested : Class :</p>	 <p><b>Babu Moshai</b> Bio : honours Interested : Math, ICT Class : SSC-Science</p>

Figure 5,6: Tutor Search

This is the page where the Student Can Search for all Available Tutor

## **CHAPTER 6**

### **CONCLUSION AND FUTURE SCOPE**

Although the overall system will bring some benefits for our country, some information needs to be considered. As we said earlier the system has message system but there is no audio and video communication system in ours. The system will remain suspended when the internet connection is closed and no offline data will be accessed through it. For the future enhancement, there will be a scope for add audio and video communication system through the system. Besides, the system is now is limited within Dhaka city in future there is also a scope to reach the system throughout the country. Auto backup will be implemented in future as currently we designed the backup system manually. If the system crash then all the data will be erased so staff should take care for keeping the data safe by saving it every day after office hours. From the above discussion we can say that although the system will have some cons, somehow it will have some positive impact of find tuition process. Comparing to current system which is mostly use offline contact and get the tuition is a complex and time consuming process, this online web system will automate their way to get a tuition.



## CHAPTER 7

### REFERENCES

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