

**PROJECT REPORT ON
WEB DEVELOPMENT ABOUT AN ONLINE TUITION SYSTEM NAMED
“FIND ME A TUTOR”**

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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
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APPROVAL

This Project titled “**Find Me aTutor**”, submitted by ***Iqram Ahamed*** and ***Syed Mustakim Ul Hasan Antor*** 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 **13.01.2022**.

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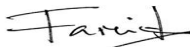
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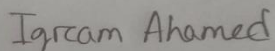


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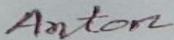
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ABSTRACT

Today, the growing trend of online learning has ushered in a whole new era of education in which every student and instructor has instant access to a wide range of goods and services. This revolution, which began a few years ago, has progressed slowly. Many people prefer to learn online rather than going to a physical institution.

Online learning is a facilitated online environment that connects various teachers and students to a single, web-based hub in order to better balance interaction and learning while shortening transaction cycles and lowering expenses. Nowadays, online websites are frequently employed as a means of locating and instructing pupils. This paper introduces a project called Find Me A Tutor, which is tasked with creating an e-learning website.

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1.1 Introduction

Find Me a Tutor is a web-based learning platform that makes education more accessible and efficient. The Internet and the World Wide Web are growing at a quicker rate than in previous decades. Internet technology and database technology are now widely employed thanks to advancements in computer science and engineering. Online learning is a facilitated online environment that connects various professors and students to a single, web-based hub in order to better balance interaction and learning while shortening transaction cycles and lowering expenses. Nowadays, internet websites are often employed as a means of locating and instructing pupils. It is a website where students and instructors may explore the site, pick a location, topic, and teacher of interest, and contact them by completing the transaction or sharing the information stated in my Tutor. The Internet and the World Wide Web are growing at a greater rate than previously thought. This is a website for online learning that was created in the previous several decades. Internet technology and database technology are now extensively employed thanks to advancements in computer science and engineering. An online educational platform is a website that allows users to search for students or professors based on their location. It's an online resource where students can browse the web, choose topics of interest, and pursue them by completing a process or job.

1.2 Motivation

Going to school or paying tuition is not a smart idea in the global pandemic covid19 circumstance, and all types of academic institutions were shuttered during the lockdown. Now, in this era of digitization, we must devise a new educational system that allows us to receive all types of educational help while being at home. Students were the ones who suffered the most during the pandemic, and their valuable time was lost by sitting at home because they couldn't attend to school or institutions. We come to the conclusion that creating something to help the online education system or students' safety education system during pandemics would be a fantastic idea. Apart from that, we believed it was difficult to locate an instructor by requirement in our country, therefore we thought about it and here we tried to discover a tutor by location as well as by anyone's desired subject. I think that students will profit much from our

website and that their life-saving time will not be wasted any more. We also believe that our respected teachers will gain from the site because they will be able to find tuition in their locations. So, if you want to start tuition for studying or teaching, just "sign up" and

"log in" and you'll be able to discover your preferred tuition fast and effortlessly, and that's our key goal.

1.3 Objectives

Broad objectives: To design and implementation a website that allows students and Tutors to find each other as per their requirements.

Specific objectives:

1. To develop a user friendly tuition website.
2. To facilitate area based tuition search.
3. To prepare Student's/Tutor's Profile.
4. To create a dashboard that shows available tuitions.

1.4 Inquiries for research

Many issues and obstacles arose throughout the project's planning phase, which became the project's core research topics. These uprising questions help to focus down the core expectations for this project, such as-

1. Should I make a website or an Android application?
2. Is it possible for people to access the website without first registering and logging in?
3. What is the procedure for registering and logging in?
4. Is the site truly beneficial to users?
5. How do you make a website that is user-friendly for both students and tutors?

1.5 Expected outcome

This site will help Students to find their subject wise tuition in their desired area. Parents of junior level students can also register and find Tutor for their children. Users can select between online and offline tuition method. In our site one can also become a tutor and looking for a tuition. This new system can save students and tutors a lot of time and energy, as well as significantly reduce unnecessary leaflet distribution.

1.6 Report layout

There are seven chapters in this project report. The first chapter introduces this website for online/offline tuition, as well as the project's rationale, aims, research questions, and projected outcomes. The background of this project, terminology, connected works, the scope of the problems, and obstacles are all covered in Chapter 2. Requirement specification, Use-Case modeling and its explanations, the ER diagram, and design requirements are all covered in Chapter 3. The design specification, which includes front-end design, back-end design, interaction design, and user experience (UX), as well as implementation requirements, is described in Chapter 4. The execution of database design, implementation of front-end testing, test results, and reports are all covered in Chapter 5. The social and environmental consequences, ethical considerations, and sustainability plan are all discussed in Chapter 6. Finally, chapter seven discusses the project's end, as well as the scope for future development.

2.1 Introduction

This chapter goes into the project's history. We've been working on a software application that allows students to search for tuition online. Several details are required to construct this.

To complete a constructing project, we must adhere to a number of principles or protocols. We're working on a big project, but there are a few roadblocks in the way. As a result, we constructed the project using the admin and user modules.

2.2 Terminologies

A variety of technologies must be explored and comprehended in order to develop an online-based website.

These are some of them:

2.2.1 Life Cycle of Software Development

The lifecycle (SDLC) software introduction is a important interest for planning, enhancing and evaluating, and maintaining software of overall performance within the software program enterprise. System development life cycle specializes in theGrowth, in finances and useful resource projections, of amazing applications to fulfill personalizedRequirements.

It explains the comprehensive scheme and the way unique software can be created, maintained,Changed, and stepped forward. The life cycle calls for a technique to growth the performance andProduction of software program packages.

The subsequent parent-2.2.1 shows the various stages of the existence cycle of software improvement.

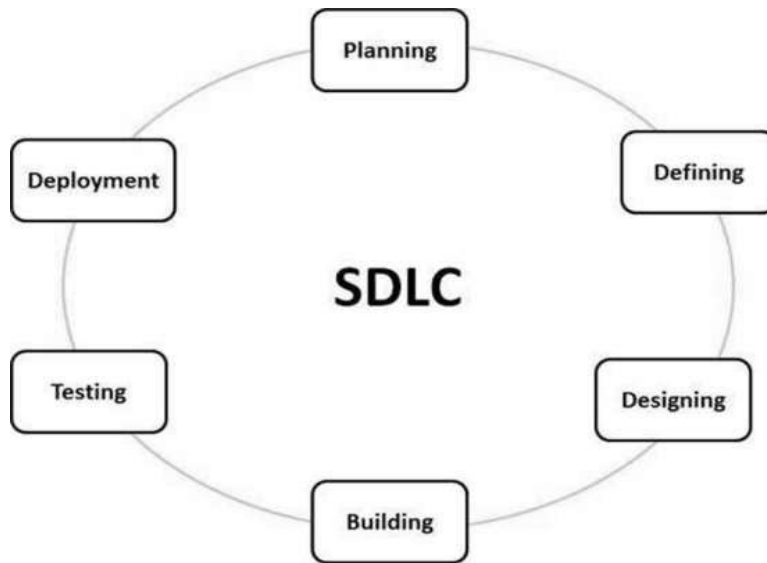


Fig 2.2.1 : Software Development Life Cycle

2.2.2 Phases of the software development cycle

The lifestyles cycle of software development has few steps including requirement analysis, defining, Design, coding and testing out, improvement, and preservation. In the following determine-2.2.2, the segment of system improvement is shown in-depth:

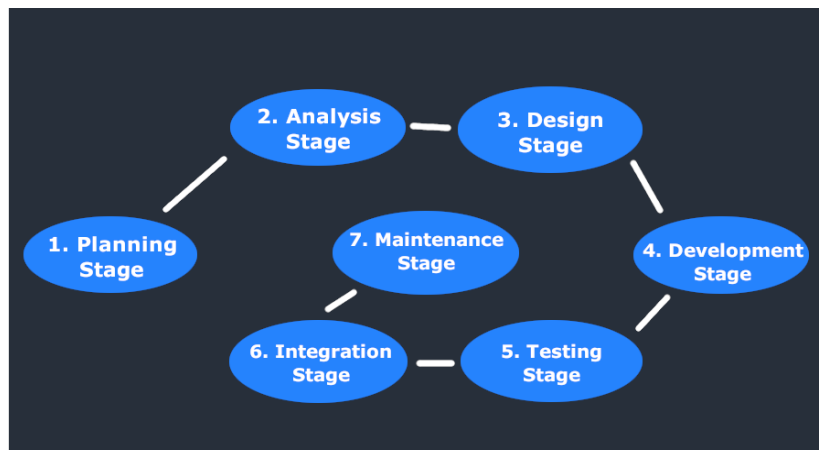


Fig 2.2.2: Phases of the (SDLC) Software Development Life Cycle

2.2.3 Essential Analysis

The specifications are already prepared and the threats are described at this level. Market analysts and project developers arrange a client conference to acquire the consequences. The give up-person, andWhat is the product's feature, are defined. A fundamental expertise of the challenge could be veryCrucial before growing a undertaking.

2.2.4 Defining condition

The following step is to file and approve software program specifications via the mission stakeholders after the requisition review is finished.

2.2.5 Software design

The very subsequent step is to reduce all data about software task specifications, research, andArchitecture.

2.2.6 Development of the project

Here, we do new era of evolution continues. Coding is used for the layout design.

2.2.7 Deployment and testing

The specifications have been tested once the project has been completed. It is implemented without any difficulties or flaws.

2.3 Companion works

There are numerous websites and papers accessible on the subject of online education. Such as Care tutor, Bd Tutors, Tutopiya etc.

2.4 The scope of the difficulties

Users registration and login, Tuition searching from the area and dashboard, Tuition posting, Tutor seeking, and Rating system are all part of this project. The topics of online payment, email marketing, and promotion management will not be discussed during the study.

2.5 Issues

We will need to learn HTML, CSS, Bootstrap, PHP, Laravel Framework, and Database for this project. As student, we must face numerous obstacles, including the following:

1. We had to start with HTML, CSS, and Bootstrap when we started my major project. Though we are new to this type of technology and CSS framework, We must first learn them.
2. We couldn't correctly style with HTML, CSS, and Bootstrap when We first started developing front-end.
3. Following the completion of front-end work, we moved on to back-end development. We had a lot of issues with this technology as a beginning.

CHAPTER 3

Specification of the requirement

3.1 Introduction

The project is created in accordance with the same specifications. The same requirements apply to our "Find Me a Tutor" program. Find me a tutor is a web-based program that we're all familiar with. There are numerous operating systems to choose from. IOS is well-known among Windows, Linux, Mac, and Android users. Our Find Me a Tutor project will use the search engine. As a result, the web application can run on a specific operating system, but a regular internet connection is necessary.

The administrator should be familiar with the project, database, and websites.

3.2 Business process modeling

The use-case model is a system in which different user types communicate with the device to solve a problem. That is both the client and the administrator.

Figure-3.2 explains how the process is interconnected with a template:

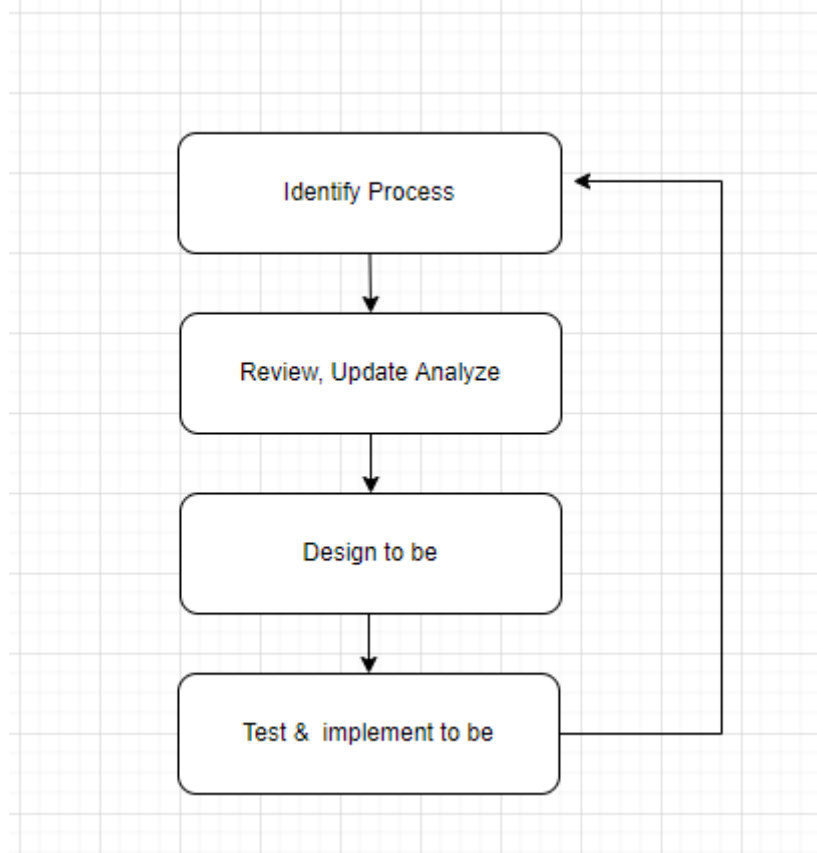


Fig 3.2: Business Process Modeling

3.3 Use-case modeling and descriptions

The use-case model is a system in which different user types communicate with the device to solve a problem. That is both the client and the administrator.

Figure 3.3 illustrates how the procedure is linked to a template:

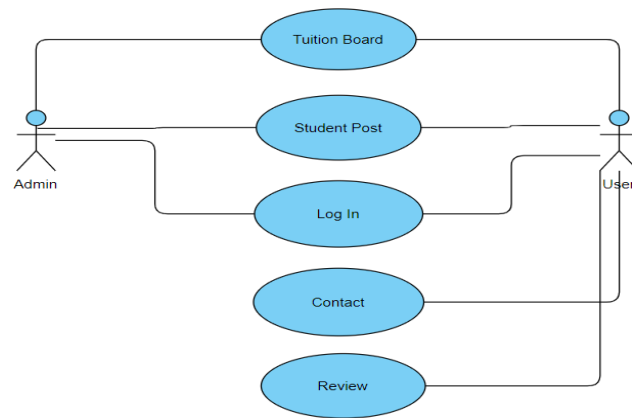


Fig 3.3: Use-Case Model

3.4 ER diagram

The entity-relationship diagram depicts the relationships between the sets in a database (ERD). In this sense, an object, such as a data item, is an entity. A set of entities is a collection of connected entities. They may have distinguishing traits that define their properties. By explaining the bodies, their properties, and demonstrating relationships between them, the conceptual structure of databases is presented. ER diagrams will be utilized to create a database.

The complete entity-relationship model is explained in detail in Figure: 3.4

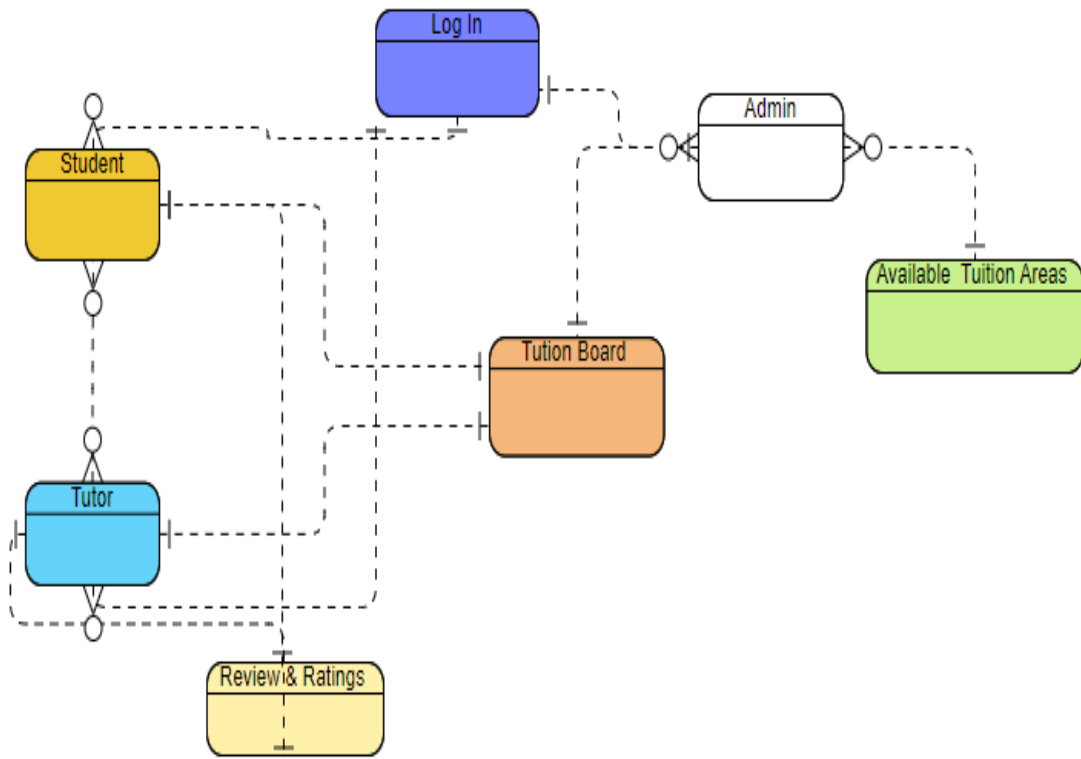


Fig 3.4: Entity-Relationship Model

3.5 Requirements for design

3.5.1 Requirement for authorization

Anyone can visit the platform as if it were a website. As a result, no permission is required. The admin panel, on the other hand, must be enabled. From Super Admin, you may see all of pendingfor approvals. To use the framework, each user must have access to the internet and a web browser.

3.5.2 Security of the application

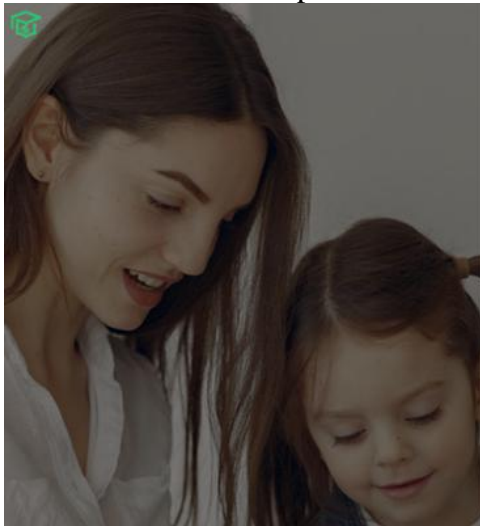
Cyber risks are on the rise right now. There should be much too many safeguards in place to protect the website from cyber assaults. The first is database stability.

1. Attempt to encrypt the database to prevent unwanted access.
2. To prevent duplicate user one can't use the same email address for opening an account.
3. Users can't access their profiles without logging in, and User can't place a post without providing all of the required information.

3.5.3 Admin panel

The administrator plays a crucial role in this process. All users information can be accessed and their post can be modified by the administrator. A user's profile will also be uninstalled by an administrator. The Tuition progress and all kind of post can be checked by the administrator. Admin also keeps the site up to date, which includes gallery updates, Dashboard updates, FAQ updates, Rating updates and so on.

The Admin Panel is depicted in the following figure-3.5



SIGN IN TO ADMIN
Enter your details below

EMAIL ADDRESS

PASSWORD

REMEMBER ME Forgot pwd?

LOG IN

Fig 3.5: Admin Panel

3.5.4 Database protection

The project includes the MySQL database as well as this database. It is quite stable when using the PHP Laravel database. Laravel Engine handles MySQL with ease. Security is one of today's most pressing issues. Laravel Engine safeguards the database.

CHAPTER 4

DesignDescription

4.1 Front-end design

4.1.1 Prototyping and design

Every webpage's user experience is now extremely important. Multiple user groups' needs must be considered when designing the user interface. As a result, the user interface can be simplified.

A strong user interface should adhere to several standards:

1. User friendly and straightforward navigation
2. The viewer has made up his mind
3. Maintain a steady pace. Be patient
4. Accountability of the User
5. Instructions for the main app screen
6. Making a physical appeal for the first time
7. Create designs based on the ideas of others.
8. Enhancing the user experience
9. Everything is simple to use or find.
10. Additional hints and tips
11. Use of hints and signals is restricted.
12. Maintain design standards

4.1.2 Prototyping of user interfaces

User interface prototyping is a method of development in which users test the system's user interface on purpose. A basic method for determining the system's usability.

As a result, we created the following UI prototype:

1. Determine the technological viability
2. Maintaining Consistency
3. Present the proposal to customers in a more direct manner.
4. The threat is lessening
5. Included in the reviews are
6. Make a plan

The prototype is primarily used to cut expenses and save time, as well as to improve the design and maintain customer interest.

4.2 Back-end design

4.2.1 Database design components

The term "database architecture" refers to how records are organized in a database model. The database builder decides which data should be processed and how it should be organized inside the structure. Based on this understanding, the data will be used to create a database model. Management of all records is one of the most important duties of database administration.

4.3 User experience and interaction design (UX)

This is how a person feels after visiting a website. Consumers are attracted to strong architecture. Any of the criteria must be observed in order to have the greatest UX interface. They are as follows:

1. Beneficial
2. Valuable
3. Importance.
4. It is searchable.

4.4 Database updating

4.4.1 Admin dashboard

The Admin Dashboard is seen in the following figure-Fig 4.4.1 Admin Dashboard. We can view how many tuitions are awaiting approval in this dashboard. It will demonstrate admin's complete power.

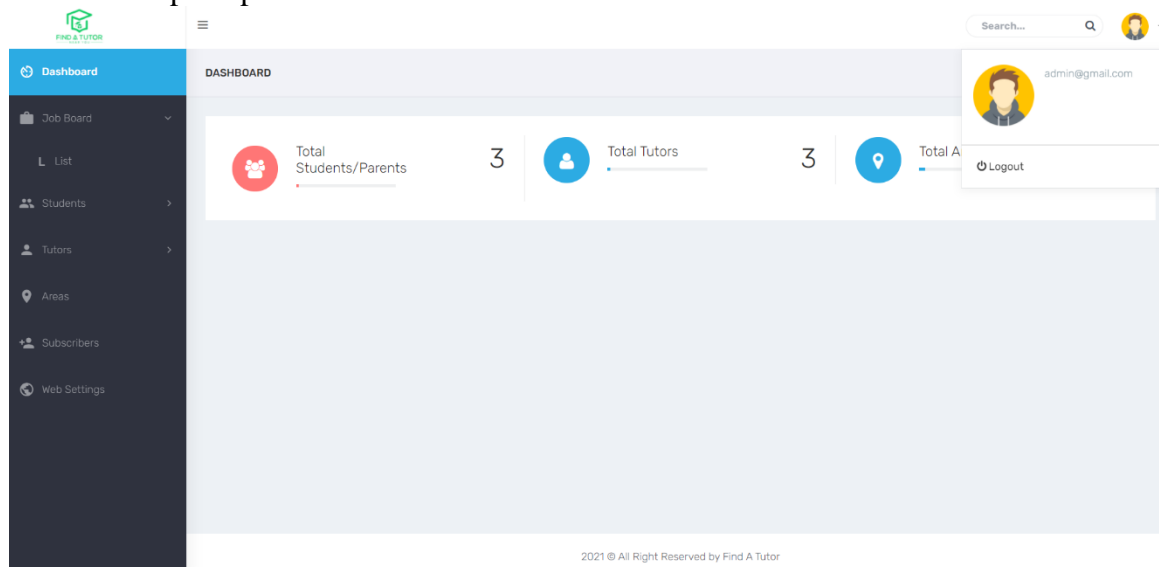
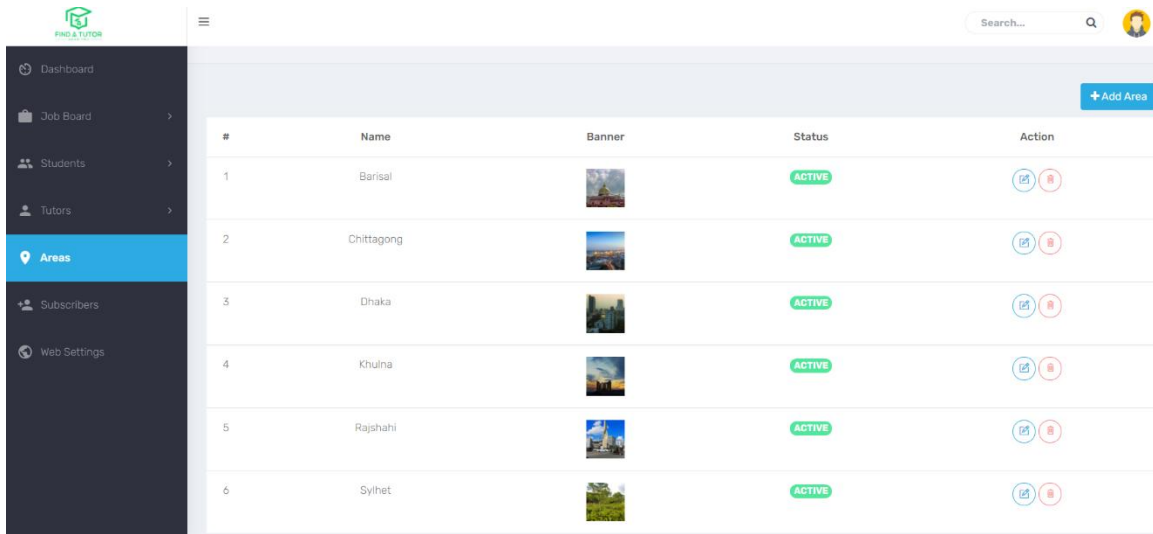


Fig 4.4.1 Admin Dashboard

4.4.2 Add tuition location area

The following figure -4.4.2 is showing the Location area, where can add more location regarding a particular area by its name and that locations people can get service of this website

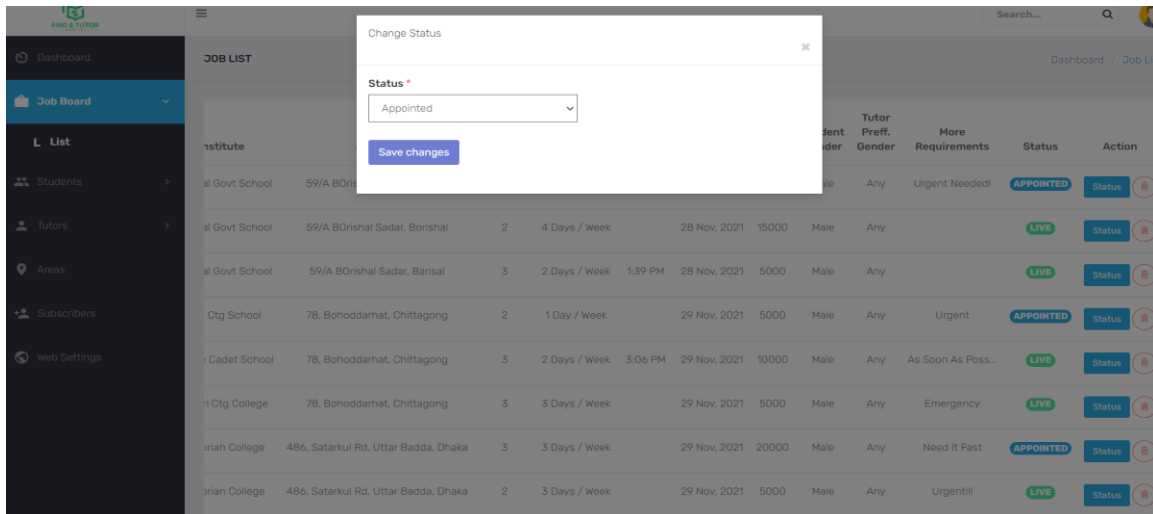


#	Name	Banner	Status	Action
1	Barisal		ACTIVE	
2	Chittagong		ACTIVE	
3	Dhaka		ACTIVE	
4	Khulna		ACTIVE	
5	Rajshahi		ACTIVE	
6	Sylhet		ACTIVE	

Fig 4.4.2 Add Tuition Location Area

4.4.3 Control tuition status

The following figure 4.4.3 is showing the power of admin he can manage tuition posted by clicking active or reject or appointed or pending



Tutor	Pref. Gender	More Requirements	Status	Action
Any	Any	Urgent Needed!	APPOINTED	Status
Male	Any		LIVE	Status
Male	Any		LIVE	Status
Male	Any	Urgent	APPOINTED	Status
Male	Any	As Soon As Poss...	LIVE	Status
Male	Any	Emergency	LIVE	Status
Male	Any	Need It Fast	APPOINTED	Status
Male	Any	Urgent!!!	LIVE	Status

Fig 4.4.3 Control Tuition Status

4.4.4 Add or change web setting

The following figure 4.4.4 ADD or Change Web Setting is showing that admin can change this website phone number email and all links and add or change logo anytime he wants

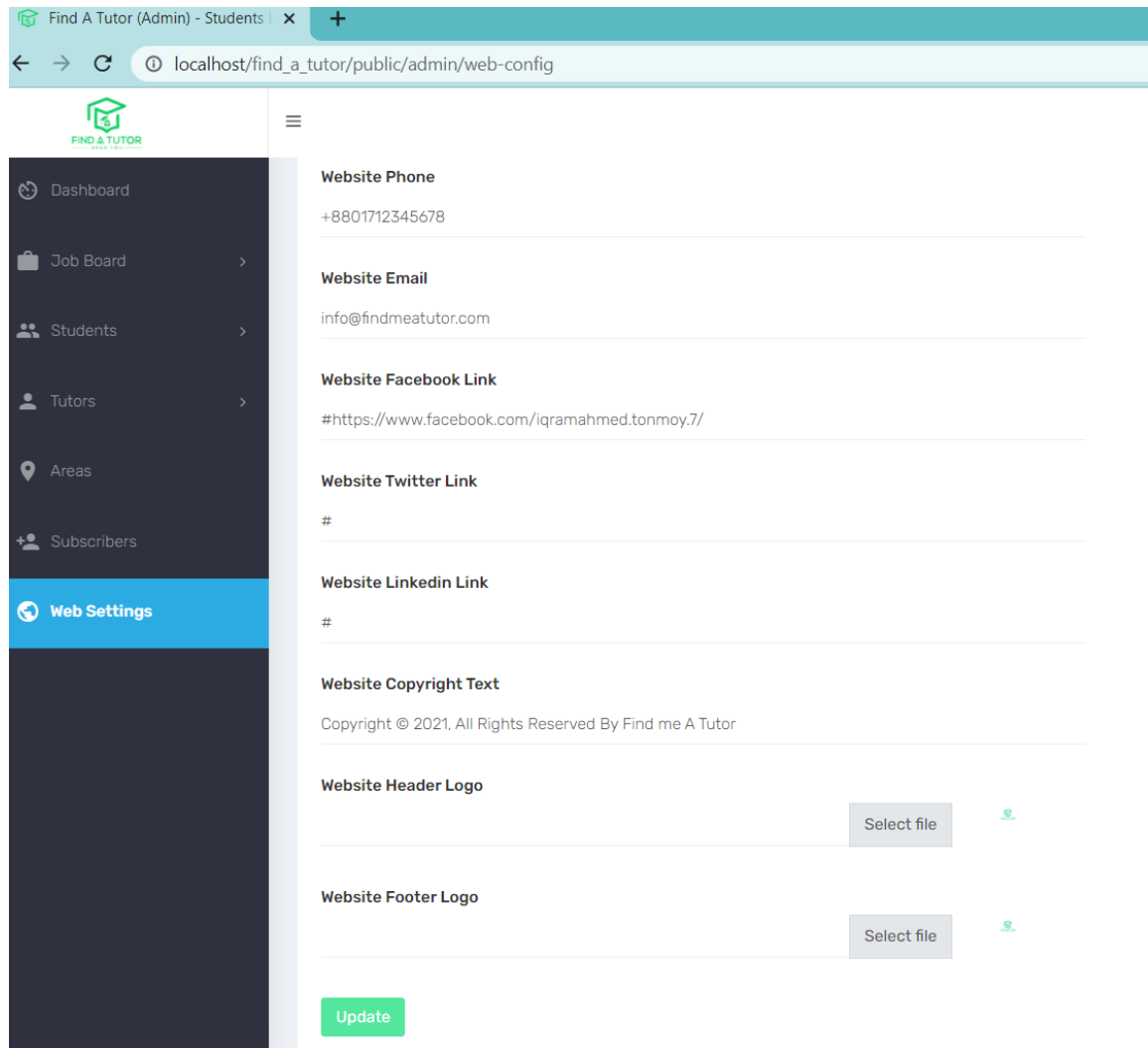


Fig 4.4.4 ADD or Change Web Setting

4.4.5 Count everyone

The following figure 4.4.5 is showing the Count Everyone in this site total students/parents or tutors and how many tuition had been done by this site

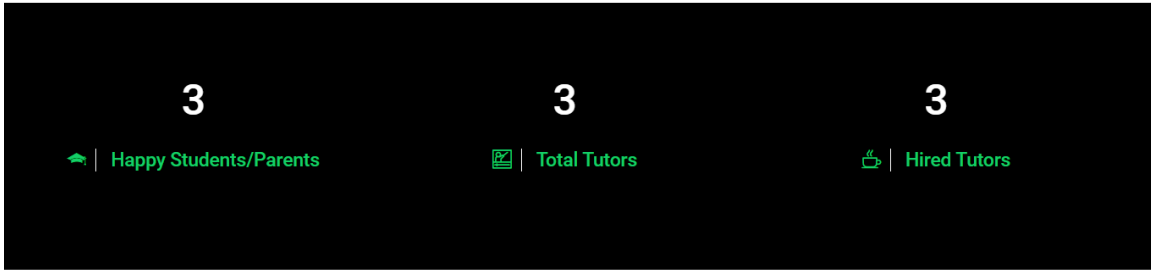


Fig 4.4.5 Count Everyone

4.4.6 All reviews

The following figure 4.4.6 show all review by students and parents by specific section

Parent's Reviews

Most trusted & advance way to hire a tutor! Hire a tutor today & start learning

“ **Iqram Ahamed**

Make your profile in minutes. Add your educational information, preferred locations, classes/courses, and make your profile presentable

”

“ **Syed Antor**

I found this platform very safe & secure. I already got three tutors by using this platform and feeling like they are being part of our family. Best wishes to the Find A Tutor family

”

“ **Amin Mahmud**

I am very satisfied with this platform. Find A Tutor really help me to find the right tutor. I will recommend this service to others

”

Show More

Tutor's Reviews

Become a tutor and start earning! Easiest way to create tutor profile

“ **Md Ripon**

I am very satisfied with this platform. Find A Tutor really help me to find the right student. I will recommend this service to others.

”

“ **Sohel Ahammad**

A very nice interaction and build upping of tuition career through find a tutor, it's a very good source for getting teaching related job. They are so much reliable and connect people with polite

”

“ **nasrin sultana**

The journey with find me a tutor" has been amazing, as it has brought all the relevant tuitions which I am capable of. The media and application process was simple and smooth and most

”

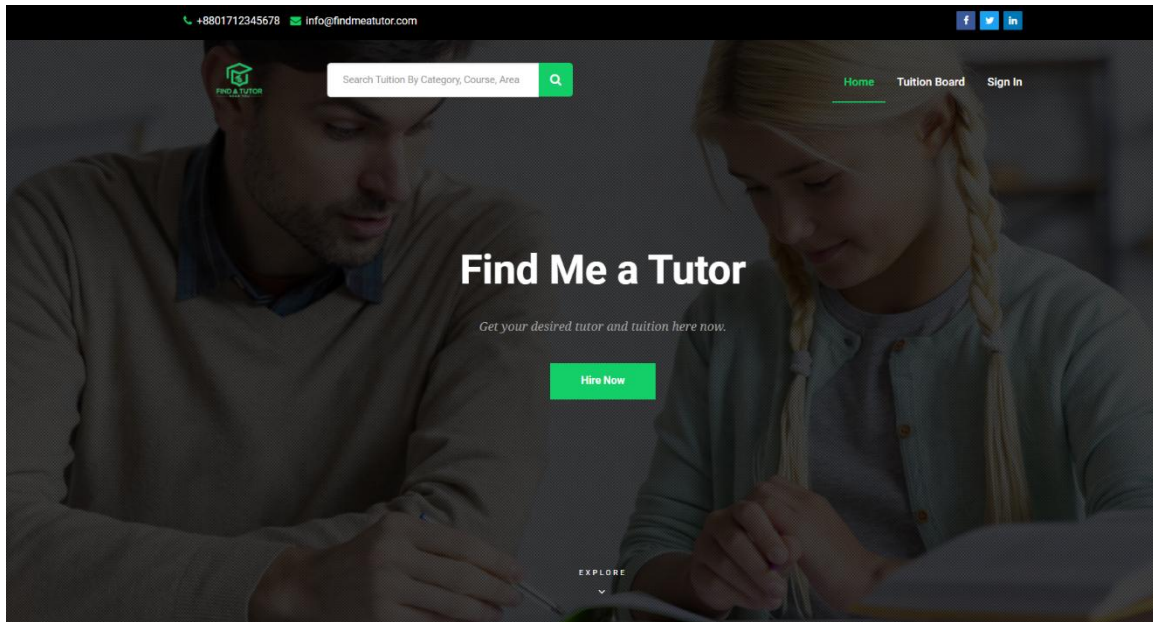
Show More

Fig 4.4.6 All Reviews

4.5 Final output




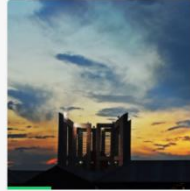


4.5.1 Home page




The following figure 4.5.1 presents the Home page view. This page presents options for users. There are options for sign up, sign in, Tuition Board, Available area, Count, Reviews, Search options also



Available Tuitions (Area)

All available tuition areas are listed below

 <p>Barisal (2)</p>	 <p>Chittagong (2)</p>	 <p>Dhaka (1)</p>	 <p>Khulna (0)</p>
 <p>Rajshahi (0)</p>	 <p>Sylhet (0)</p>		

<p>3</p> <p> Happy Students/Parents</p>	<p>3</p> <p> Total Tutors</p>	<p>3</p> <p> Hired Tutors</p>
---	---	---

How it works for students/parents?



Post Your Desire Tutor Requirements

Post your Tutor requirements. Our experts will analyze it and live your requirements to our job board.



Get the Best 5 Tutor's CVs

You'll receive the 5 (max) best Tutor's CVs in your account within 48 hours which closely match to your requirements.




Select the Perfect One & Start Learning

Choose the best one among the 5 CVs. Offer the selected Tutor for few trial classes before taking the regular classes.

[Sign Up For Student/Parents](#)


Parent's Reviews

Most trusted & advance way to hire a tutor! Hire a tutor today & start learning

CC  **IQRAM AHAMED**


Make your profile in minutes. Add your educational information, preferred locations, classes/courses, and make your profile presentable

55

CC  **SYED ANTOR**

I found this platform very safe & secure. I already got three tutors by using this platform and feeling like they are being part of our family. Best wishes to the Find A Tutor family

59

CC  **AMIN MAHMUD**

I am very satisfied with this platform. Find A Tutor really help me to find the right tutor. I will recommend this service to others

55

Show More

How it works for tutors?



Create a Free Account

Make your profile in minutes. Add your educational information, preferred locations, classes/courses, and make your profile presentable.



Apply to Your Desired Tuition Job

Check our job board everyday and apply to your preferred tutoring jobs that match your skills.



Start Tutoring

Get selected by students/parents if your expertise matches their requirements.

Sign Up For Tutor

Tutor's Reviews

Become a tutor and start earning! Easiest way to create tutor profile

The image shows three review cards for tutors. Each card features a profile picture, the tutor's name, and a testimonial. The first card is for Md Ripon, the second for Sohel Ahammad, and the third for nasrin sultana. Below the cards is a blue 'Show More' button.

Md Ripon
I am very satisfied with this platform. Find A Tutor really help me to find the right student. I will recommend this service to others.

Sohel Ahammad
A very nice interaction and build upping of tuition career through find a tutor, it's a very good source for getting teaching related job. They are so much reliable and connect people with polite

nasrin sultana
The journey with find me a tutor' has been amazing, as it has brought all the relevant tuitions which I am capable of. The media and application process was simple and smooth and most

Show More

The footer section is divided into four columns: 'Subscribe Our Newsletter' with an email input field and a send button; 'Join us today' with a call to action and a 'Become a Tutor' link; 'Popular Tags' with buttons for 'tutor', 'tuition', 'online class', and 'student'; and 'Support Links' with links for 'Terms & Condition', 'Privacy Policy', 'FAQ', and 'Carrier'. The footer also includes the 'Find A Tutor' logo and a copyright notice for 2021.

Subscribe Our Newsletter
Enter email here.

Join us today
Become a tutor and start earning!
Easiest way to create tutor profile
[Become a Tutor →](#)

Popular Tags
[tutor](#) [tuition](#) [online class](#)
[student](#)

Support Links
[Terms & Condition](#)
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Fig 4.5.1 Home page

4.5.2 Tuition board pages

The following figure 4.5.2 Tuition Board Pages show how many tuitions for tutors or available tuition based on specific areas

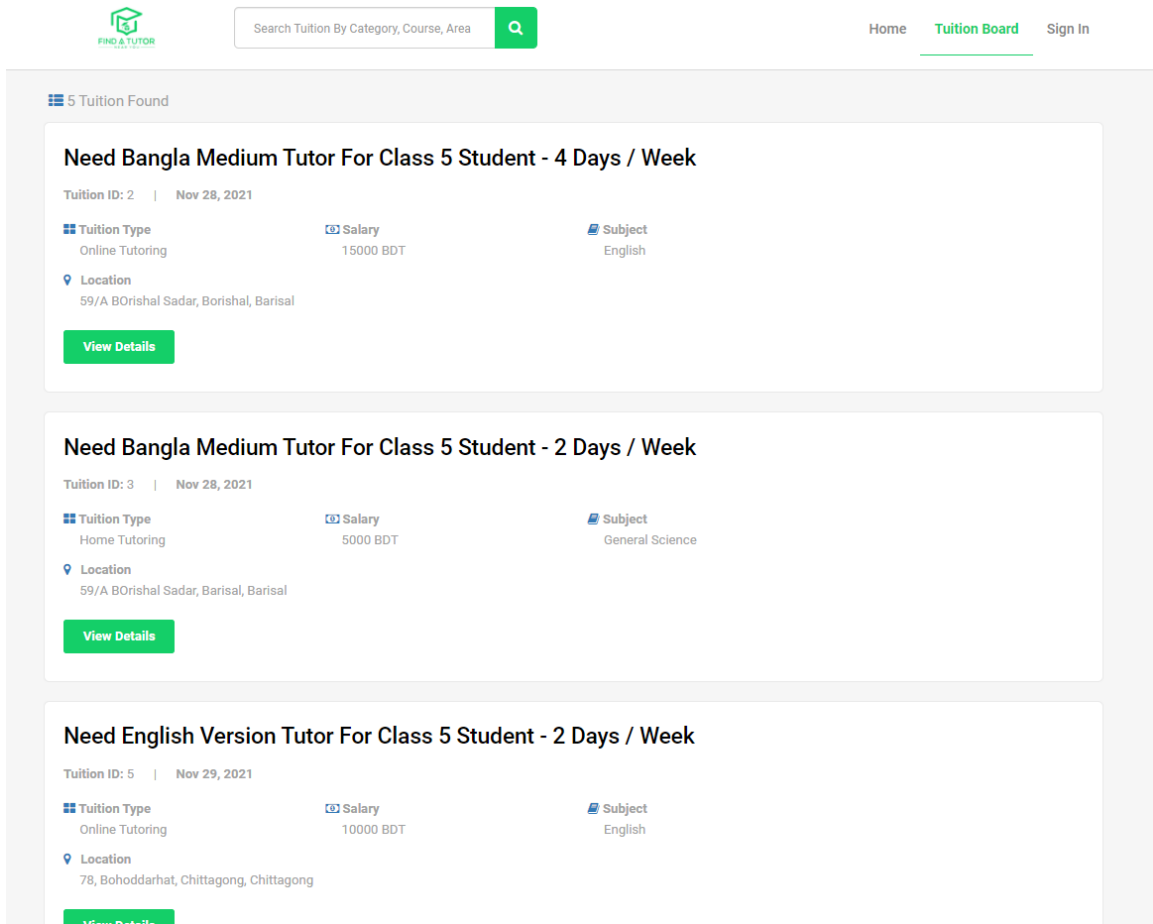


Fig 4.5.2 Tuition Board Pages

4.5.3 Filter

The following figure 4.5.3 Filter is showing the options search category wise tuitions by area locations or Subjects, by applying the filter, users or tutors can find desired tuitions easily

The screenshot shows the FINDMEATUTOR website interface. At the top, there is a search bar with the text "Search Tuition By Category, Course, Area" and a magnifying glass icon. To the right of the search bar are navigation links for "Home", "Tuition Board", and "Sign In". The main heading of the page is "Searched For 'dhaka'". Below this, it indicates "2 Tuition Found".

The first result is titled "Need English Version Tutor For Hsc-2nd Year Student - 3 Days / Week". It includes the following details:

- Tuition ID: 7 | Nov 29, 2021
- Tuition Type: Online Tutoring
- Salary: 20000 BDT
- Subject: English
- Location: 486, Satarkul Rd, Uttar Badda, Dhaka, Dhaka
- A green "View Details" button is located below the details.

The second result is titled "Need English Version Tutor For Class 8 Student - 3 Days / Week". It includes the following details:

- Tuition ID: 8 | Nov 29, 2021
- Tuition Type: Home Tutoring
- Salary: 5000 BDT
- Subject: English
- Location: 486, Satarkul Rd, Uttar Badda, Dhaka, Dhaka
- A green "View Details" button is located below the details.

Fig 4.5.3 Filter

4.5.4 Sign in page

The following figure 4.5.4 Sign in Page show the sign in options for students or tutors to FINDMEATUTOR using email and password.

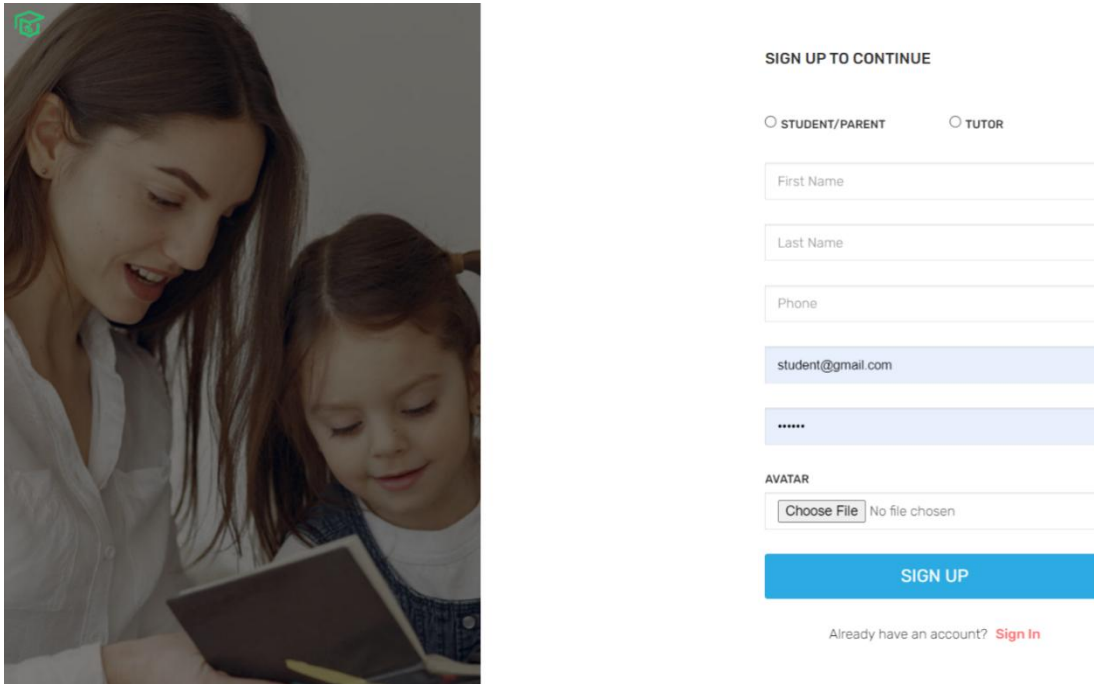
The screenshot shows the sign-in page of the FINDMEATUTOR website. On the left side, there is a background image of a woman smiling and looking at a young girl. On the right side, the sign-in form is displayed with the following elements:

- Header: "SIGN IN TO CONTINUE"
- Role Selection: Two radio buttons are present, with "STUDENT/PARENT" selected and "TUTOR" unselected.
- Email Address: A text input field containing the email "iqram725@gmail.com".
- Password: A text input field with masked characters ".....".
- Log In Button: A prominent blue rounded button labeled "LOG IN".
- Footer: A link that says "Don't have an account? Sign Up".

Fig 4.5.4 Sign in Page

4.5.5 Sign up page

The following figure-4.5.5 Sign Up Page. In this page, users like students or tutors get register on this site by putting name and photo, phone number, email and password. Creating account is very easy here.



The image is a composite of two parts. On the left, a woman with long brown hair is smiling and looking at a tablet held by a young girl. On the right, there is a sign-up form titled "SIGN UP TO CONTINUE". The form has two radio buttons: "STUDENT/PARENT" (selected) and "TUTOR". Below these are input fields for "First Name", "Last Name", "Phone", "Email" (with the placeholder "student@gmail.com"), and "Password" (with six asterisks). There is an "AVATAR" section with a "Choose File" button and the text "No file chosen". A blue "SIGN UP" button is at the bottom, followed by the text "Already have an account? [Sign In](#)".

Fig 4.5.5 Sign Up Page

4.5.6 Post tuitions

The following figure 4.5.6 Post Tuitions show the student panel where for hire a tutor student have to post his requirement in the tuition board.

The screenshot shows the 'Post Tuitions' form on the FindMeATutor website. The user profile on the left is for Iqram Ahamed. The form fields include:

- Tuition Type: Select...
- Institute Name: Enter Institute Name
- City: Select...
- No. of Students: Select...
- Address: House, Road, Area
- Days / Week: Select...
- Category: Select...
- Tutoring Time: Choose Tutoring Time
- Class/Course: Select...
- Hire Date: Choose Hire Date
- Choose The Required Subject: Select...
- Salary (BDT): Enter Salary Amount
- Student Gender: Male Female
- Tutor Gender Preference: Male Female Any
- More about your Requirement: Text area with a green 'G' icon.

A green 'Submit' button is located at the bottom right of the form.

Fig 4.5.6 Post Tuitions

4.5.7 Accept or apply tuitions

Here in this figure 4.5.7 Accept or Apply Tuitions by checking tuition board as a tutor and then choice or search desired tuition and then apply it with a one click easy process.

The screenshot shows the 'Accept or Apply Tuitions' page. The user profile on the left is for Md Ripon. The main content is a tutoring job listing:

Need Bangla Medium Tutor For Class 5 Student - 4 Days / Week

Tuition ID: 2 | Nov 28, 2021

Tuition Type	Salary	Subject
Online Tutoring	15000 BDT	English
Student Gender	Preferred Tutor	Location
Male	Any	59/A Borishal Sadar, Borishal, Barisal
Tutoring Time	Tutoring Days	No. Of Student
N/A	4 Days / Week	2

Other Requirements: N/A

A green 'Apply' button is located at the bottom of the listing.

Fig 4.5.7 Accept or Apply Tuitions

4.6 Implementation requirements

Any infrastructure and technical specifications are used for the creation of a web application.

1. VS Code [1]: As a code editor, I just use Visual StudioCode.
2. Laravel [2]: It's a PHP framework. Laravel will be used for this project's backend distribution.
3. HTML5, CSS3 [3]: I use HTML5 and CSS3 for the architecture of the web application.
4. MySQL [4]: As database administration, MySQL is used. As simple database maintenance, the PHP framework includes MySQL.
5. Bootstrap v0.5 [5]: The system is a CSS framework. It is primarily used to organize and respond to every website.
6. jQuery [6]: It is used to make our project interactive. This dynamic the website.

CHAPTER 5

Testing And Implementation

5.1 Introduction

Putting a project into action is a difficult task. At this point, we become a reality. We have a difficult task ahead of us on a fantastic project. Component of the web application that we were able to create.

5.2 Database design implementation

5.2.1 Database

The database is powered by the MySQL information management system. In our project, we have 17 databases. Each table has its own unique name.

5.2.2 Security testing

The key issue is security. Given that this is an online retailer, information security is the most difficult challenge. Database security is possible using Laravel. We are afraid we won't be able to put in as much protection practice as we had like.

5.2.3 System evaluation

System checking is a type of evaluation that verifies that a complete system is fully integrated.

As a result, device testing is crucial for any project.

As noted below, there are several forms for evaluating systems.

1. Testing for Recoverability
2. Performance Evaluation
3. Testing for Scalability
4. Testing for Reliability
5. Documentation Verification

During the testing of the entire process, we should be aware of the test pyramid. There are three methods for testing available.

1. Black Box: Non-programmers who are unfamiliar with the software's procedures often undertake black box tests.
2. White Box Experiments: White box experiments are frequently carried out by programmers who are familiar with software methodologies.
3. Gray box: it's in the white box's core.

Figure-5.2.3 shows manual testing of a project:

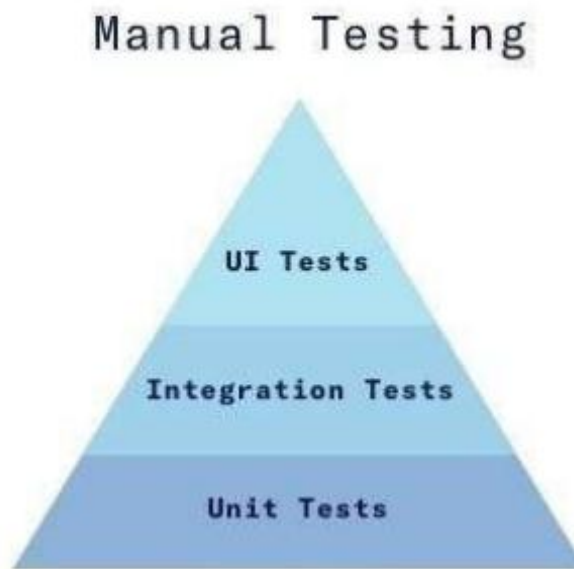


Fig 5.2.3: Testing Pyramid

5.3 Front-end testing implementation

For front-end testing, we need a variety of evaluation tools. We utilize the CSS testing tool to choose the best template. We utilize JS testing software to see the JavaScript flaws. Practical testing is crucial in a construction project. Finally, we employ the performance tools to verify our project's success. All of the experiments turned out to be a success.

5.4 Reports and test results

Checking is a mechanism that allows project bugs to be discovered on the front end. A suggestion is thoroughly examined via research. It is also essential for any creativity. Our project validates the test findings, however they aren't great. Nonetheless, the findings of the tests reassure us.

Chapter 6

Society Environment and Sustainability Impact

6.1 Social implications

Life will get easier as we grow more digital. The introduction of websites for online booksellers has a very favorable impact on our society. People can purchase a variety of books from any location of our country while sitting at home or at work. The distance between getting access to books, reading books, and enlightening people's brains is narrowing thanks to this method. Furthermore, it opens up new business options for entrepreneurs as well as career opportunities for qualified job seekers. As a result, it helps to reduce unemployment (to some extent) in society.

6.2 Environmental impacts

Users do not need to go by different types of vehicles since they do not need to go out to find tutors. Because there are fewer vehicles on the road, carbon and other greenhouse gas emissions are reduced, and the environment is improved to some extent.

6.3 Ethical matters

The Copyright Act is not violated by this endeavor. We completed the entire project and report on our own, with the assistance of required references.

The privacy of the user's information, which is gathered with their consent, must be preserved and kept secure in the database as part of the project. It's also crucial to let site visitors know how Find me a tutor will use their information. The utmost focus is always given to what is valuable to users.

Any complaint or suggestion from users must be treated with extreme caution.

6.4 Plan for sustainability

Given the current state of affairs, many people prefer online tuition to in-person instruction. As people become more occupied with their work and face difficulties going outside in crowds for the COVID-19 circumstance, the need for online tuition grows. This technique is incredibly comfortable, effective, and time saving for users.

Chapter 7

Conclusion and future potential

7.1 Conclusion and discussion

The Internet has become one of the most important resources in modern industry. Online tuition has grown in popularity, not only from the perspective of tutors, but also from the perspective of students. This project can save Tutors and Students a lot of time and work while also reducing unneeded risk. This project's system is practical and simple to use because it is designed with straightforward and user-friendly interfaces.

7.2 Potential for future developments

A project will always have some constraints because resources are limited. By adding a modest feature here and there, it might grow into a massive project with a vast database. We attempted to complete the first milestone. More features, such as- can be added to make this website more powerful and useful.

1. Inclusion of an easy payment method to allow students to pay the honor without undue stress.
2. Creation of a "Contact Us" page enabling users to contact the administrator with questions.
3. User profile verification using Email, Facebook, and Gmail to prevent internet fraud.
4. Improving the system's privacy and security to assure the project's rapid expansion.

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