

# ProTutorBD



## Course Teacher:

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## Presented By:

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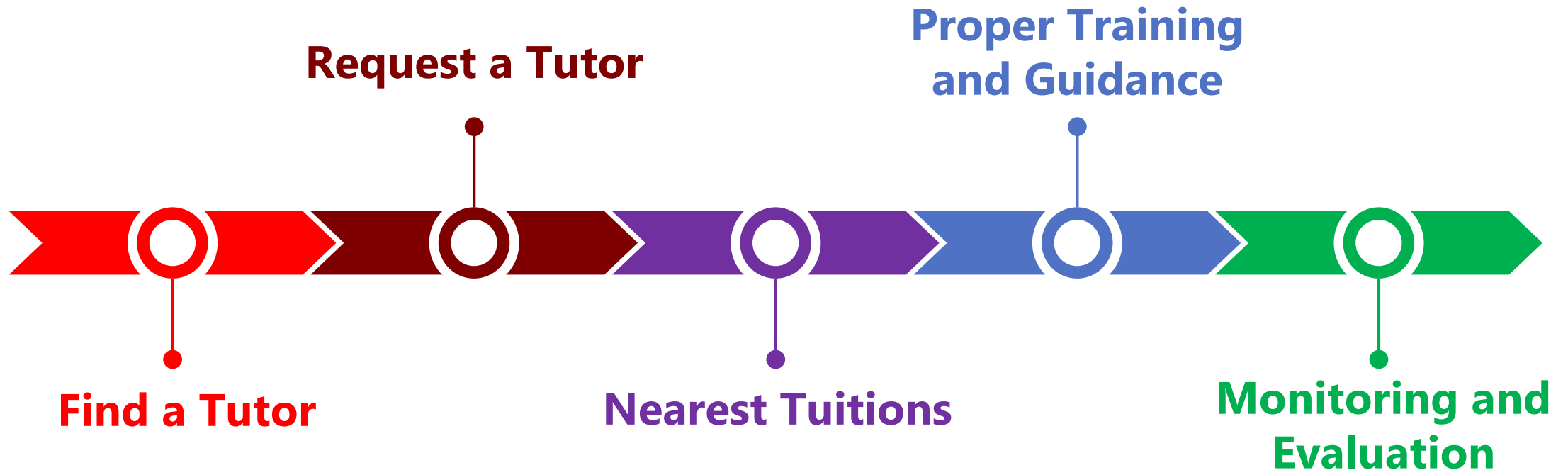
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# Introduction

➤ Platform to find out reliable study assistant



# Motivation

- Always existing demand for experienced tutor
- Parents and students are worried about fraud and sources to find to tutor
- Increasing internet accessibility and available online tools
- Students and many varsity graduates are in quest of tuition
- Comfortable and convenient for all

# Existing Products

➔ We have selected some of the top-tier products on the market to benchmark our products.



# Features of Existing Products



- Tutor Request
- Payment System
- Quick Chat
- Online tuition
- Available Tuitions



- Hire tutor
- Request a tutor(specific requirements)
- Become tutor
- Premium tutor
- Tuition Post
- Payment

# Features of Existing Products



- Hire tutor
- Become tutor
- Tuition Post / Job board



- Available Tuitions
- Quick Chat
- Review & Rating

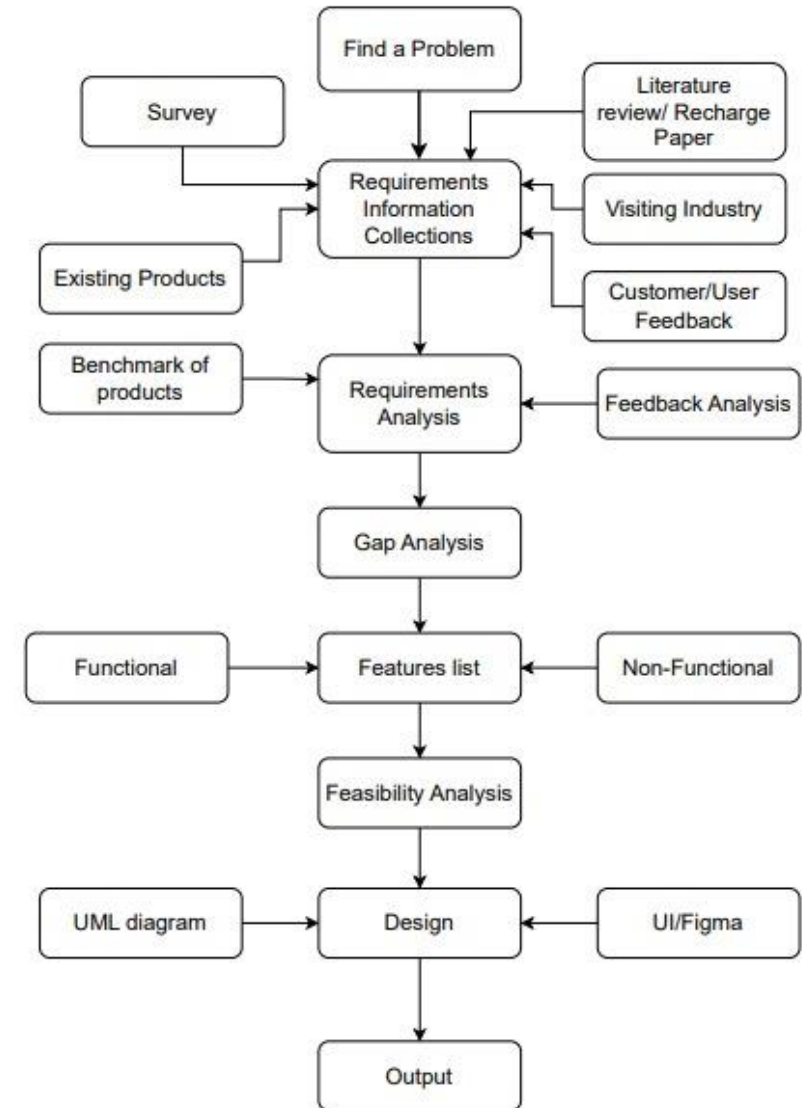


- Hire tutor
- Become tutor
- Tutor List
- Today Available Tuition
- Request for tutors
- Payment

# Benchmark Products

Features		tutorsheba.com	bdtutors.com	caretutors.com	dhakatutors.com	deshtutor.com	Our Product
Roles	Admin	✓	✓	✓	✓	✓	✓
	Tutor	✓	✓	✓	✓	✓	✓
	Students	✓	✓	✓	✓	✓	✓
	Guardian				✓		✓
	Available Tuitions	✓	✓	✓	✓	✓	✓
	Payment System	✓	✓	✓	✓	✓	✓
	Premium Tutors Search	✓	✓	✓		✓	✓
	Affiliate Partner	✓	✓				✓
	Notifications System	✓		✓			✓
	FAQ	✓	✓	✓	✓		✓
	Contact Us	✓	✓	✓	✓	✓	✓
	Tutor Request	✓	✓				✓
	Quick Chat	✓	✓	✓	✓	✓	✓
	Online tuition	✓					✓
	Review & Rating	✓	✓	✓	✓	✓	✓
	About us	✓	✓	✓	✓	✓	✓
	Default auto search & suggest tutor		✓	✓	✓	✓	✓
	Blog Post						✓
	Download Books						✓
	Suggested nearest tutors or students						✓
	Provides suggestions						✓

# Methodology





# Features List

(Functional & Non-Functional)

## ○ Functional Requirements:

- Users (teacher and student) can register, log-in to the system and update their profile.
- Teacher can create post by filling up the post related information and giving a certain amount for creating a post (if he/she has no free posts. After creating their profile tutor will get 3/n-numbers of free posts.)
- Tutor can search for tuition and send request to a corresponding tutor searching post(posted by any student)
- Tutor and student both can give ratings and reviews to each others
- Tutor and student both will be able to download books
- Tutor and student both will be able to create, read, edit, delete blogs
- Admin can delete/block any user (student and Teacher) if the admin gets multiple complaints against the user
- Admin will be able to upload, download and delete books
- A searching mechanism will be provided by the system to get the post
- The system will be accessible to online users

# Features List

## (Functional & Non-Functional)

### Non - Functional Requirements:

- Users' privacy should be protected
- The system should be workable on different cross-platform web browsers like (e.g. Chrome, Safari, Mozilla, Opera, Edge)
- The system should have high availability
- The system should be easy to learn by both sophisticated and novice users
- The system should be user friendly so that both sophisticated and inexperienced users can learn to use it at ease
- The system should have a maximum of 3 clicks to reach any content
- The system should have a single login to access all content
- The system should have a consistent user interface(UI)
- The system should have a UI which is intuitive (the behavior of the system is according to the intuition of a standard end user)
- The system should have a standard graphical user interface that allows for the on-line data entry, editing, and deleting of data with much ease

# Research paper Study

## ○ The issue of private tuition: an analysis of the practice in mauritius and selected south-east asian countries

### ➤ What they Found:

- **Prevalence:** Private tuition is widespread at both primary and secondary levels across Mauritius and Southeast Asian countries.
- **Motivations:** Competitive exams, pressure for success, and perceived shortcomings in formal education drive demand.
- **Financial Burden:** Significant cost burden on families, potentially widening social inequalities.
- **Mixed Effects:** Some students benefit, others experience stress and decreased motivation.
- **Teacher Involvement:** Raises ethical concerns, potential conflicts of interest, and exploitation of students.
- **Ineffective teaching-learning processes , Insufficient Regular Class Instruction,** Students seek private tuition **for better understanding and individual attention.**
- Teachers, often demotivated in regular classes, become **more engaged in tuition** as they work for themselves.
- **Class Size Challenges:** Large class sizes, Financial constraints, inadequate infrastructure, and a shortage of qualified teachers
- Students opt for private tuition due to **peer pressure and competition**

### ➤ Other findings:

- Limited data availability on specific impacts and student outcomes.
- Difficulty isolating true effects of private tuition from other factors.
- Generalization of findings across diverse countries and contexts.

# Research paper Study

## The more, the better? Intensity of involvement in private tuition and examination performance

### What they Found:

- There is no significant advantage to taking private tuition, even for students who took a lot of it.
- This suggests that other factors, such as a student's natural ability and attitude towards learning, may be more important for exam success than private tuition.

### Limitations:

- The study was conducted in Ireland, so the results may not be generalizable to other countries.
- The study relied on self-reported data, which can be subject to bias.
- The study did not control for all possible factors that could affect exam performance

# Research paper Study

## ○ The Demand for Shadow Education: Socioeconomic Determinants and Implications

### ➤ What they Found:

- Kids who got extra tutoring did tend to score better in school.
- Extra tutoring can be expensive, and it can make it harder for poorer families to keep up.
- Some kids get a big advantage because their families can afford extra help.
- If tutorial centers run alongside schools long-term, good teachers might leave schools, lowering education quality. This could make tutoring even more essential.
- Maybe schools need to get better so that all kids get the help they need, without their families having to pay extra.

### ➤ Limitations:

- More research is needed considering factors like student-teacher ratio and high-stakes test levels in various schools.

# Research paper Study

## ○ The Expansion and Roles of Private Tutoring in India: From Supplementation to Supplantation

### ➤ What they Found:

- Private tutoring, also known as "shadow education", is HUGE in India. Many students get extra help outside of school from private tutors.
- It used to be seen as "supplementary," just filling in gaps from regular school. But now, it's more like "supplantation," meaning it's almost like a whole different school system happening alongside the official one.
- This shift has some big upsides and downsides. On the plus side, some say it helps students do better in exams and get into competitive colleges. But on the other side, it creates pressure, adds financial strain on families, and can widen the gap between rich and poor students.

### ➤ Limitations:

- The authors studied tutoring in Maharashtra, India. They found that students rely heavily on tutors, especially for key subjects like math and science. Tutors often focus on exam preparation and specific strategies, rather than broader learning..

# Research paper Study

- The impact of shadow education on student academic achievement: Why the research is inconclusive and what can be done about it

## ➤ What they Found:

- Positive impacts on some students and contexts.
- Also no significant difference in academic performance between students who participated in shadow education and those who didn't.
- potentially negative consequences like increased stress and increases educational inequality

## ➤ Limitations:

- Research methods face challenges in data collection and analysis, limiting the ability to isolate the true impact of shadow education.
- Difficulty in accounting for individual student characteristics and motivations, as well as the quality of tutors, which can significantly impact outcomes.

# Feasibility Analysis

S	W	O	T
STRENGTHS	WEAKNESSES	OPPORTUNITIES	THREATS
<input type="checkbox"/> What you excel at	<input type="checkbox"/> Where you can improve	<input type="checkbox"/> Emerging trends	<input type="checkbox"/> New competitors
<input type="checkbox"/> Competitive advantages	<input type="checkbox"/> Competitive disadvantages	<input type="checkbox"/> Competitor weaknesses	<input type="checkbox"/> Low customer satisfaction
<input type="checkbox"/> Proprietary resources	<input type="checkbox"/> Weak brand	<input type="checkbox"/> Market growth	<input type="checkbox"/> Negative industry or economic outlook
<input type="checkbox"/> Tangible assets	<input type="checkbox"/> Inefficient processes	<input type="checkbox"/> Geographic expansion	<input type="checkbox"/> Competing technology
<input type="checkbox"/> Intellectual property	<input type="checkbox"/> Resource gaps or constraints	<input type="checkbox"/> New technology or capabilities	<input type="checkbox"/> Negative press coverage
<input type="checkbox"/> Brand awareness & reputation	<input type="checkbox"/> Narrow profit margins	<input type="checkbox"/> New niches	<input type="checkbox"/> Declining market
<input type="checkbox"/> Exclusive relationships or partnerships	<input type="checkbox"/> Financial challenges	<input type="checkbox"/> Cash infusion	<input type="checkbox"/> Legal constraints



# Cost Model and Cost Flow Diagram

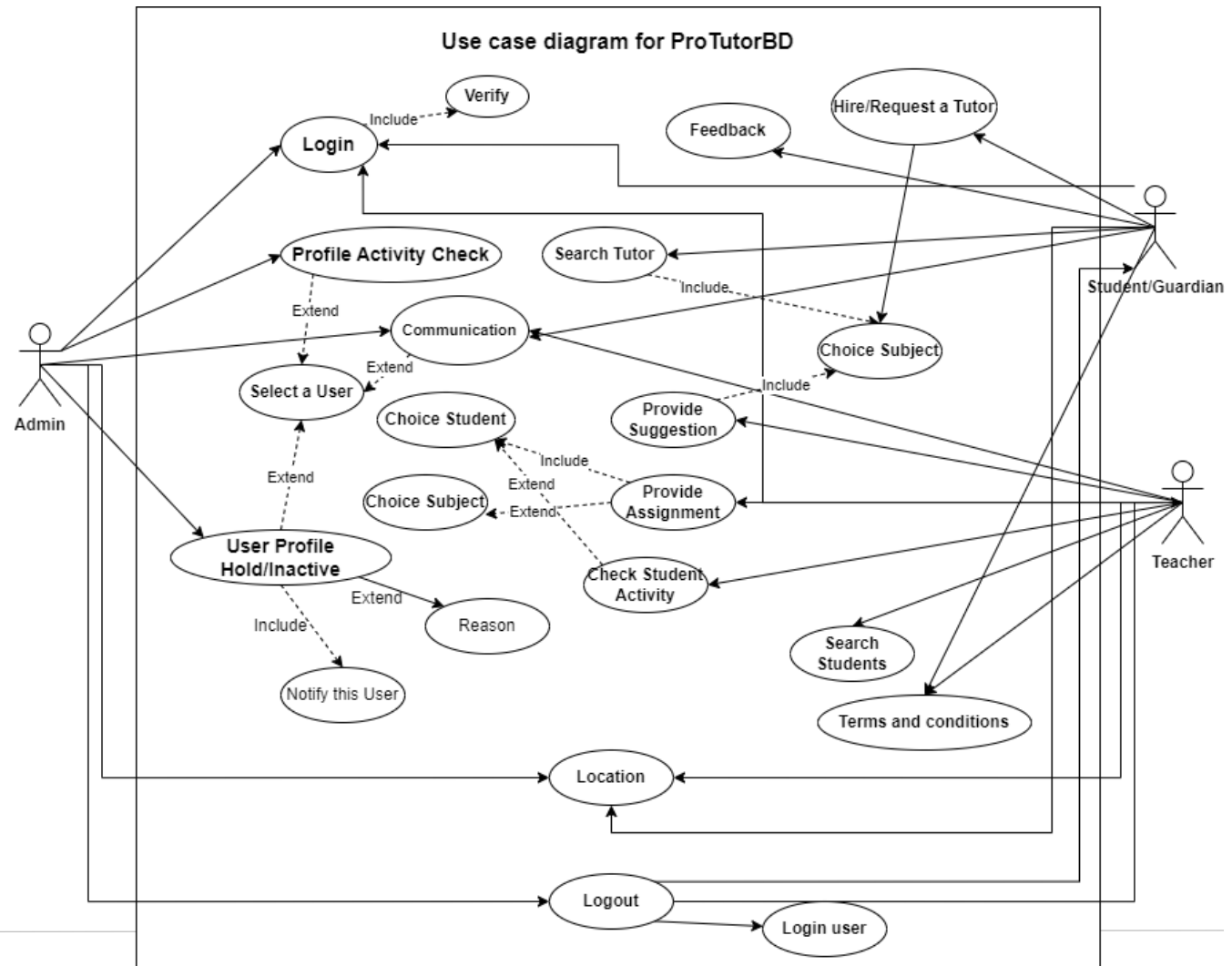
	Year 1				Year 2				Year 3			
Quarterly cash flow statement	1	2	3	4	1	2	3	4	1	2	3	4
Cash flow from Operating Activities												
Revenue	-	-	-	-	4,285,350	8,570,700	12,856,050	17,141,400	21,426,750	25,712,100	29,997,450	34,282,800
Operating Expenses	8,042,265	8,250,685	10,326,940	8,815,009	8,993,288	9,312,562	9,638,017	9,969,828	10,308,177	10,653,254	11,005,252	11,364,370
Salaries and Benefits	4,537,500	4,650,938	4,767,211	4,886,391	5,008,551	5,133,765	5,262,109	5,393,662	5,528,503	5,666,716	5,808,384	5,953,593
Salaries & Wages												
Bonuses												
Health Insurance												
Lunch & Snacks												
Transport												
Entertainment												
Hardware Lease Cost	870,500	892,263	914,569	937,433	960,869	984,891	1,009,513	1,034,751	1,060,620	1,087,135	1,114,314	1,142,171
Computers												
Smartboards												
Cameras												
Microphones												
Lighting Equipment												
Furnitures												
Rent	1,050,000	1,076,250	1,103,156	1,130,735	1,159,004	1,187,979	1,217,678	1,248,120	1,279,323	1,311,306	1,344,089	1,377,691
Utilities	255,000	267,750	281,138	295,194	309,954	325,452	341,724	358,811	376,751	395,589	415,368	436,137
Electricity												
Internet												
Water												
Gas												
Hosting and Software	250,000	256,250	1,875,000	187,500	192,188	196,992	201,917	206,965	212,139	217,443	222,879	228,451
Hosting												
Software Licenses and Subscription												
Repairs and Maintenance	382,965	392,890	491,759	419,762	428,252	443,455	458,953	474,754	490,866	507,298	524,060	541,160
Marketing and advertising expenses	-	-	-	2,142,675	1,714,140	2,571,210	3,428,280	4,285,350	5,142,420	5,999,490	6,856,560	7,713,630
Taxes and Licenses	-	-	-	-	1,714,140	3,428,280	5,142,420	6,856,560	8,570,700	10,284,840	11,998,980	13,713,120
Unexpected Costs	696,300	714,345	894,107	957,993	934,471	1,040,029	1,146,122	1,252,766	1,359,976	1,467,768	1,576,159	1,685,167
Net Income	(8,042,265)	(8,250,685)	(10,326,940)	(8,815,009)	(4,707,938)	(741,862)	3,218,033	7,171,572	11,118,573	15,058,846	18,992,198	22,918,430

# Novelty

- ProTutorBD's primary innovation is that it helps us find automated location-based tutors with streamlined, learning, seamlessly combining modern technology with human expertise to create a rich learning experience tailored to each student's needs.

# UML Design

➤ Use case diagram.



# UML Design (Cont.)

## Search Tutor:

Use Case Number and Name:	UC001 – Search Tutor
Primary Actor:	Students or Guardians
Interests & Stakeholders:	Students and guardians are browsing and searching for tutors from our platform.
Prerequisites:	The student or guardian is must be logged in.
Success Scenario:	<ol style="list-style-type: none"><li>1. Student or guardian search tutor by typing in search box.</li><li>2. Auto suggested tutor list in dropdown.</li><li>3. Click on tutor name and search him/her.</li></ol>
Alternative Scenario:	<ol style="list-style-type: none"><li>1. In step 1 after typing something then it will not match from our database and show “no records”</li><li>2. In step 2 type something and click on it. If this tutor are not available for this course then show “Tutor is not available right now”</li></ol>
Post condition:	After typing the tutor name for searching then it will go to backend and search this tutor from our database. Then it will redirect new page with this tutor related information and show it.

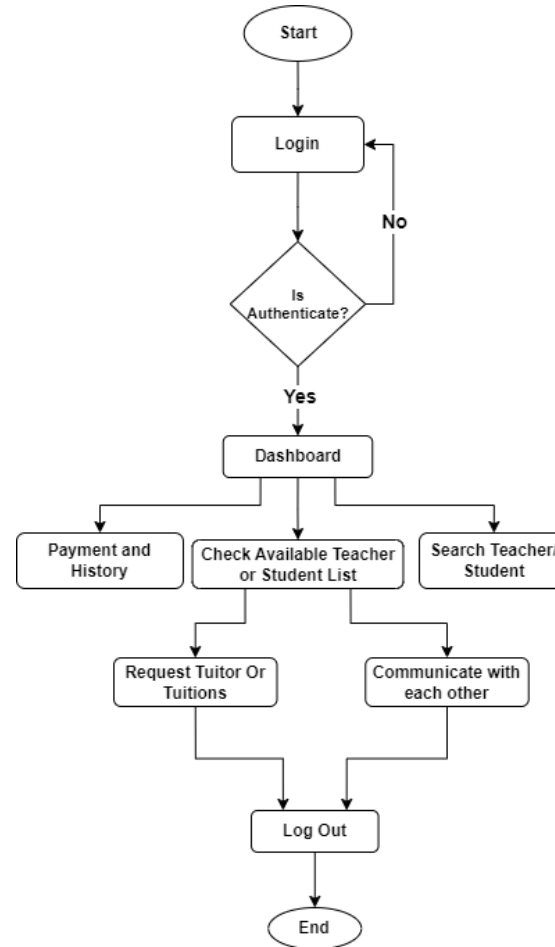
# UML Design (Cont.)

## Provide Suggestions:

Use Case Number and Name:	UC002 – Suggestion Provide
Primary Actor:	Teacher
Interests & Stakeholders:	A Teacher are browsing and sharing subject related suggestion for his/her student from our platform.
Prerequisites:	The teacher is must be logged in and selected subject.
Success Scenario:	<ol style="list-style-type: none"><li>1. Teacher choice the subject</li><li>2. Uploaded pdf as suggestion</li></ol>
Alternative Scenario:	<ol style="list-style-type: none"><li>1. In step 1 after choice this subject, if this subject has not enroll of any student then it will show “No enrolled student”</li><li>2. In step 2 when upload a pdf , if the pdf size is larger then 10mb it will show “Large File Uploaded”</li></ol>
Post condition:	After successfully uploaded file it will show suggest list.

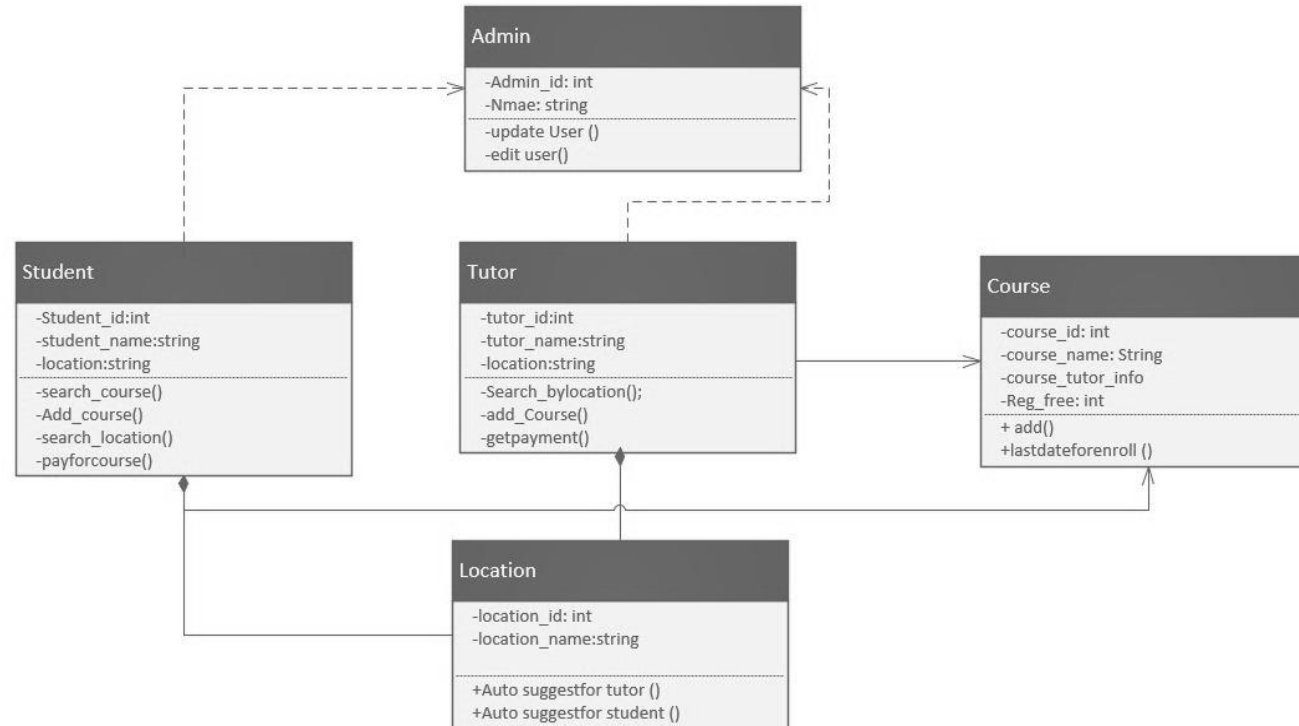
# UML Design (Cont.)

## Activity Diagram:



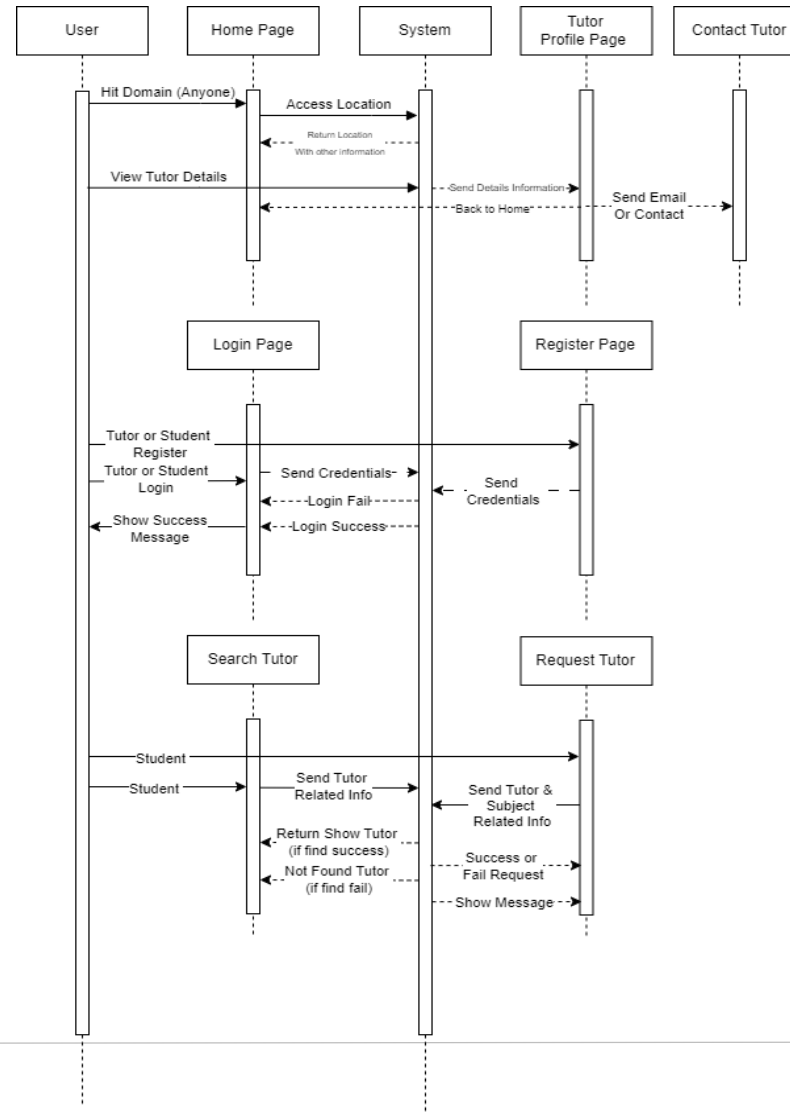
# UML Design (Cont.)

State diagram:



# UML Design (Cont.)

## Sequence Diagram:





# Class Name

```
public function Admin{  
    updateUser();  
    verifyUser()  
}
```

```
public function Student{  
    searchTutor();  
    payCourse()  
}
```

```
public function Tutor{  
    search_Tuiton();  
    chatWithStudent()  
}
```

```
public function Course{  
    registerCourse();  
    courseFee()  
}
```

```
public function Student {  
    registerCourse();  
    payFee();  
    searchLocation();  
}
```

```
Public function Location (){  
    suggestTutor();  
    access();  
}
```

# UI Design (Figma)

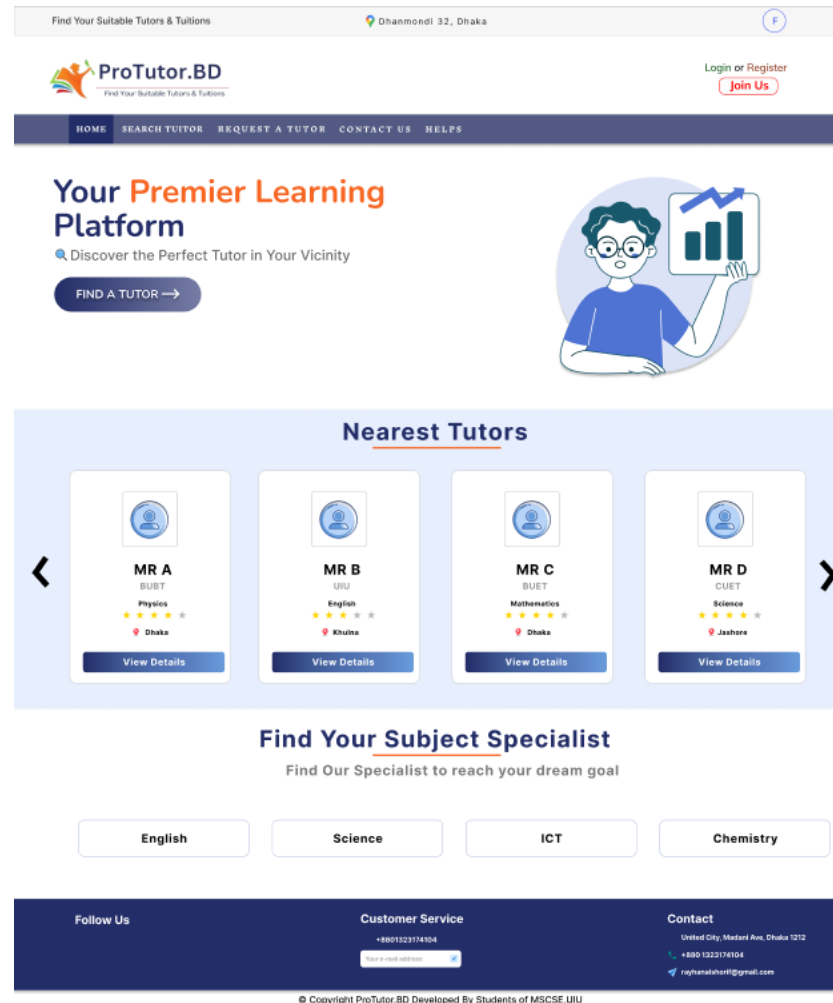



Fig: Home Page

# UI Design (Figma)

Find Your Suitable Tutors & Tuitions Dhanmondi 32, Dhaka F

 **ProTutor.BD**  
Find Your Suitable Tutors & Tuitions

Login or Register  
[Join Us](#)




HOME SEARCH TUTOR REQUEST A TUTOR CONTACT US HELPS


## Search Tutor




Choose District:  Choose Area:

Choose Medium: ☒ English ☐ বাংলা Select Gender: ☒ Male ☐ Female

Select Salary Range:

**Follow Us**  
  

**Customer Service**  
 +8801323174104

**Contact**  
 United City, Madani Ave, Dhaka 1212  
 +880 1323174104  
 rayhanaherfi@gmail.com

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**Fig: Search Tutor**

# UI Design (Figma)

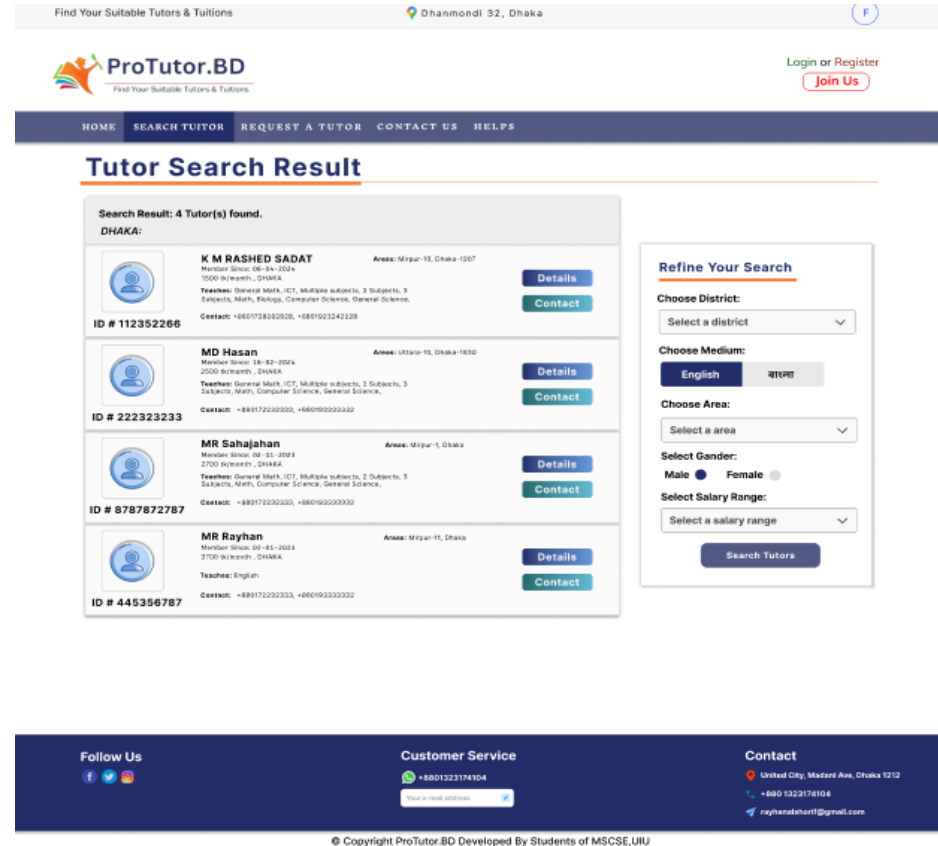


Fig: Search Tutor Result

# UI Design (Figma)

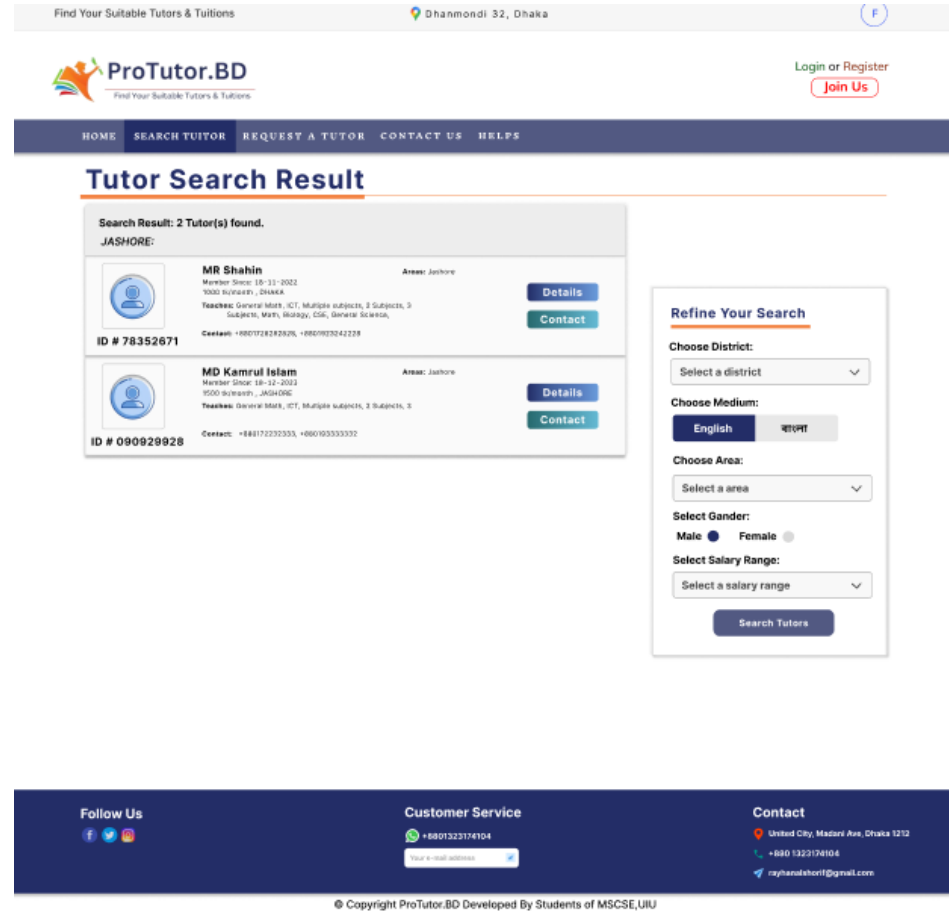


Fig: Search Tutor Result\_1

# UI Design (Figma)

Find Your Suitable Tutors & Tutorials


Dhananathi 32, Dhaka

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# Tutor Profile



**Abdul Mannan**  
ID # 112352367

**Experience:** Work as a Teacher in Shaheed Bh' Uttam Lt. Anwar Girls' College from 2002 to 2017. Work as a Teacher in Holy Child College from 2017 to 2021. Work as a Teacher in Mirpur Cantonment Public School & College from 2021 to Till Now.

**Qualification:** M.Com (Accounting)

**Area Covered:** DHAKA (Basundhara Residential, Cantonment, Gulshan, KATOLA, KOLIKET, MISPOUR, PALLAB, UTTARA )

**Teaching:** Accounting, Finance

**Phone:** 019132499376

**Email:** mannananag@gmail.com

Member Since: 22-11-2023  
Last Login: 03-02-2024

**PREMIUM TUTOR**

## Tuition Info:

**Expected Minimum Salary:** 10000 tk/month -Negotiable

**Current Status for Tuition:** Available

**Days per week:** 1-3 days/week

**Preferred Tuition Style:** 1- Group Tuition @ Private Tuition

**Place of Learning:** 1- Class Rooms @ Home Visit

**Extra Facilities:** 1- Provide Hands Note


**Preferred Medium of Education:** 1- Bangla Medium @ English Version

**Preferred Classes:** 1- Class X @ H.S.C @ S.S.C

**Preferred Subjects:** 1- Accounting @ Finance

**Preferred Areas to Teach:** Dhaka  
@ Basundhara Residential @ Cantonment @ Uttara

## Email This Tutor



**Abdul Mannan**  
01890939822  
mannananag@gmail.com

**Your Name:**

**Mobile:**

**Email:**

**Details Information:**




Lorem ipsum dolor sit amet consectetur adipiscing elit. Maxime mollis molestias quas vel sit commodo nuncupandis conseq uantur volu ptatum lab orum.

Send Message

## Educational Qualification

Exam	Subject/Group	Institute	Result	Year	Awards
S.S.C.	Science	Amritala Bazar, Mirpur, Barisal	4.50 out of 5.00	2001	N/A
H.S.C.	Commerce	Shaheed Bazar (Dhaka Cantonment College)	4.30 out of 5.00	2004	N/A
HONORS	Accounting	Thakur College	3.20 out of 4.00	2019	N/A
MASTERS	Accounting	Thakur College	3.00 out of 4.00	2020	N/A

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## Fig: Tutor Profile

# UI Design (Figma)

Find Your Suitable Tutors & Tuitions Dhanmondi 32, Dhaka F

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[HOME](#) [SEARCH TUTOR](#) [REQUEST A TUTOR](#) [CONTACT US](#) [HELPS](#)

## Tutor Login

Already a registered tutor ? [Login here.](#)

Email/Mobile:

Password:

[Login](#)


[New Tutor?](#) | [Forgot Password!](#)

**Help & Info:**  
**Q. What happen if i can't login ?**  
If you cant login but you are registered then click [forgot password](#) and enter your email, you login details will be sent to your email with email verification link.

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Fig: Tutor Login

Find Your Suitable Tutors & Tuitions Dhanmondi 32, Dhaka F

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Find Your Suitable Tutors & Tuitions

[Login or Register](#)  
[Join Us](#)

[HOME](#) [SEARCH TUTOR](#) [REQUEST A TUTOR](#) [CONTACT US](#) [HELPS](#)

## Register as a Tutor For Free!

Full Name:

Choose District:

Email/Mobile:

Password:

Confirm Password:

[Register Now](#)

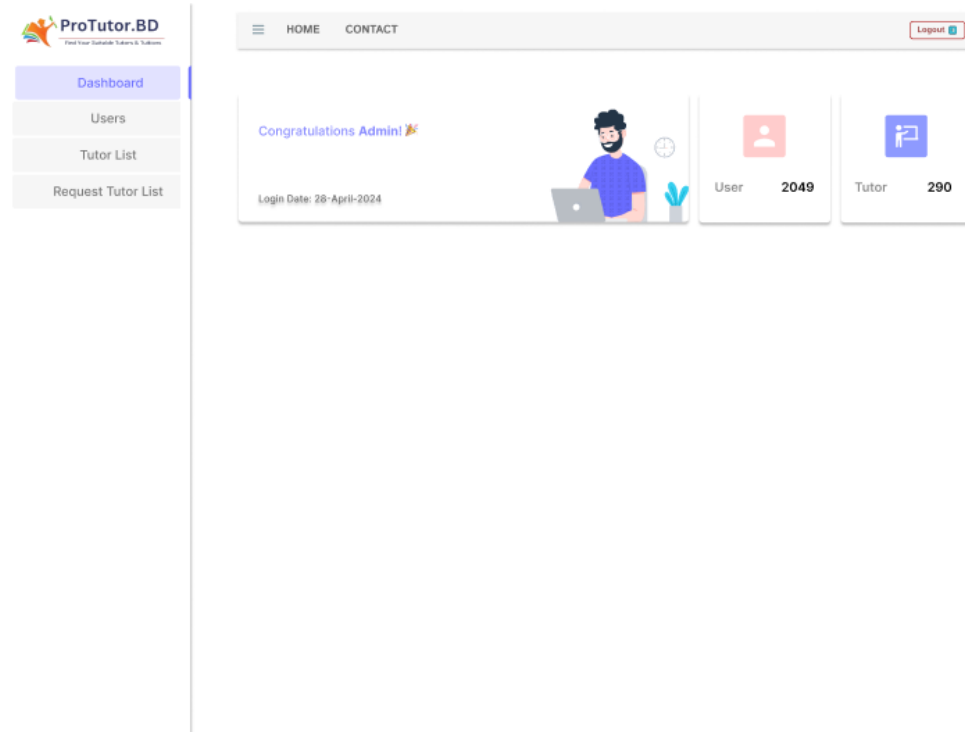
[Already have an account? Please Login](#)

**Help & Info:**  
**Q. What happen if i can't login ?**  
If you cant login but you are registered then click [forgot password](#) and enter your email, you login details will be sent to your email with email verification link.

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Fig: Tutor Register

# UI Design (Figma)



**Fig: Admin Dashboard**



# UI Design (Figma)

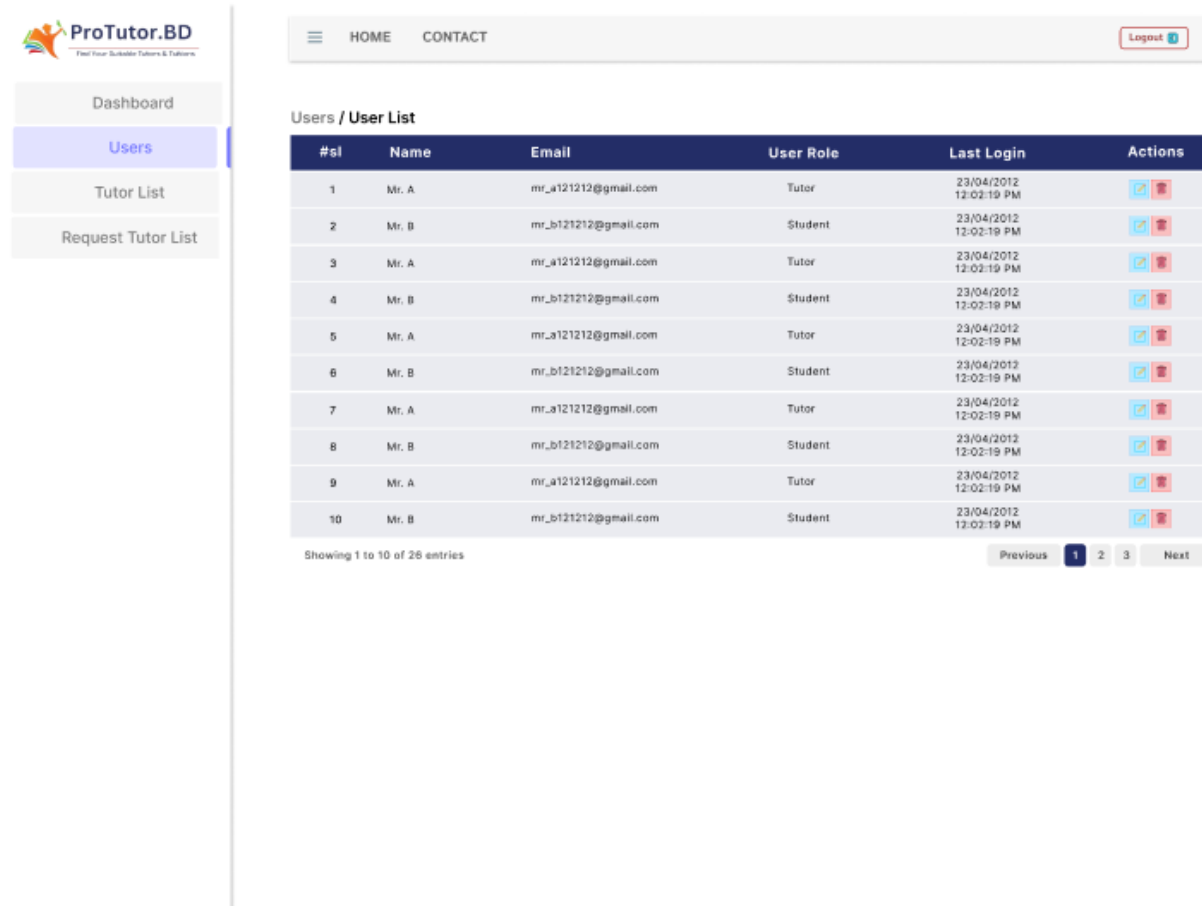
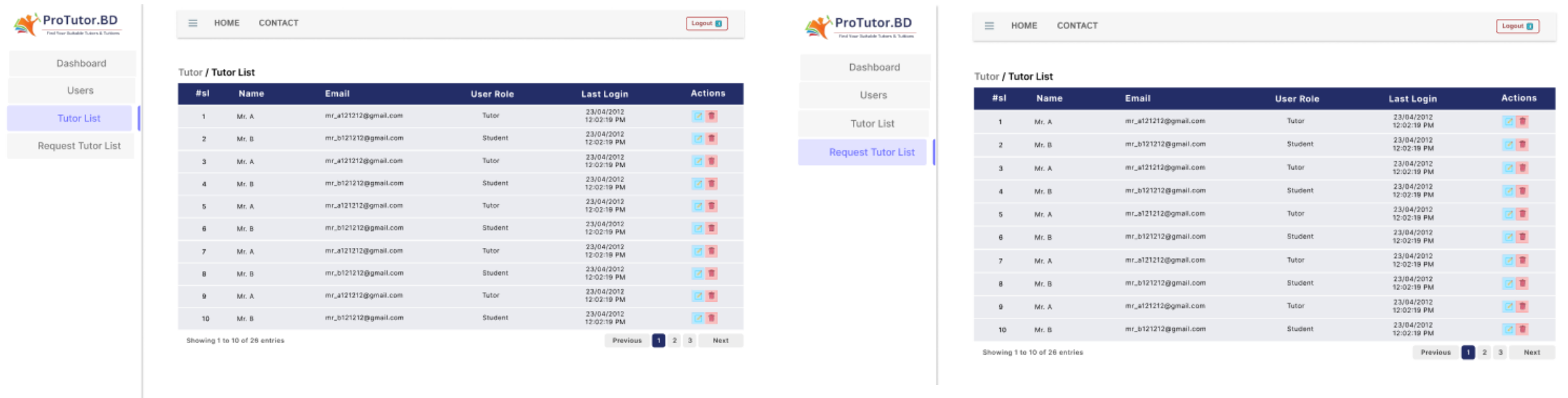


Fig: User list

# UI Design (Figma)



**Fig: Tutor list**

**Fig: Request Tutor list**

**Fig Link:** <https://www.figma.com/proto/8ygJCRXqf5qbWQzErEUyil/ProTutor.BD?type=design&node-id=295-561&t=Ay6sOf14krKCsJwK-0&scaling=min-zoom&page-id=0%3A1>

# References

- [1] <https://www.tandfonline.com/doi/full/10.1080/13803610802246395>
- [2] [https://www.researchgate.net/publication/349213058\\_The\\_Demand\\_for\\_Shadow\\_Education\\_Socioeconomic\\_Determinants\\_and\\_Implications](https://www.researchgate.net/publication/349213058_The_Demand_for_Shadow_Education_Socioeconomic_Determinants_and_Implications)

A photograph of a stack of five books with red and tan covers on a black surface. To the right is a glass vase with yellow daffodils. A semi-transparent grey rectangle is centered over the books and vase, containing the text "Any Questions?".

**Any Questions?**



# THANK YOU

Thanks for your valuable time.