

ProTutorBD



Course Teacher:

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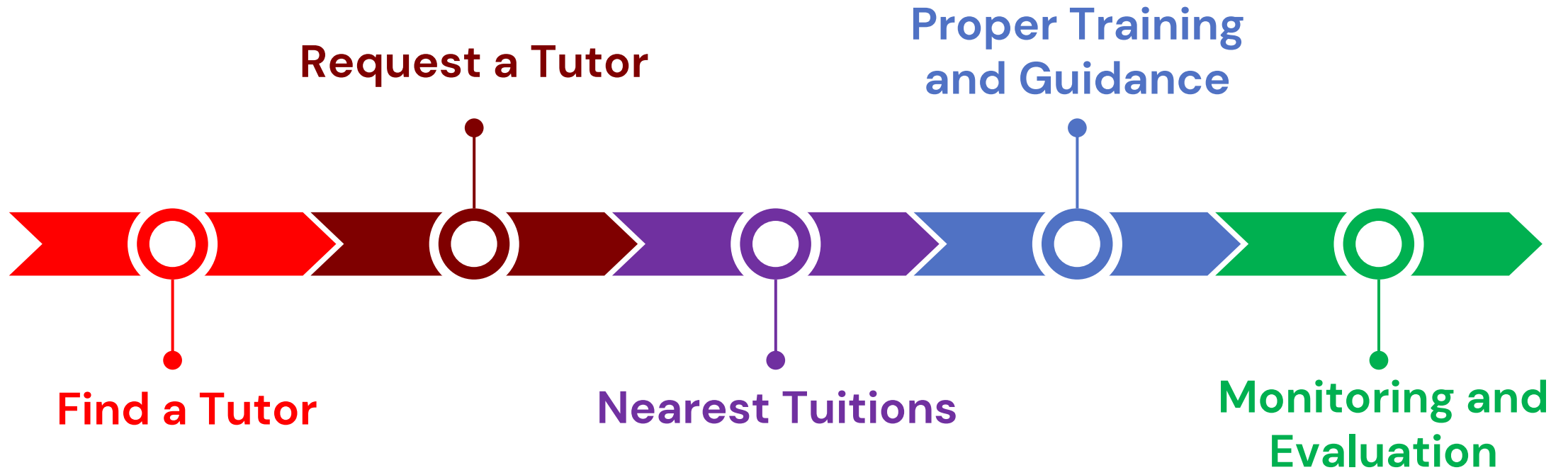
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Introduction

➤ 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 Tutions
- Quick Chat
- Review & Rating

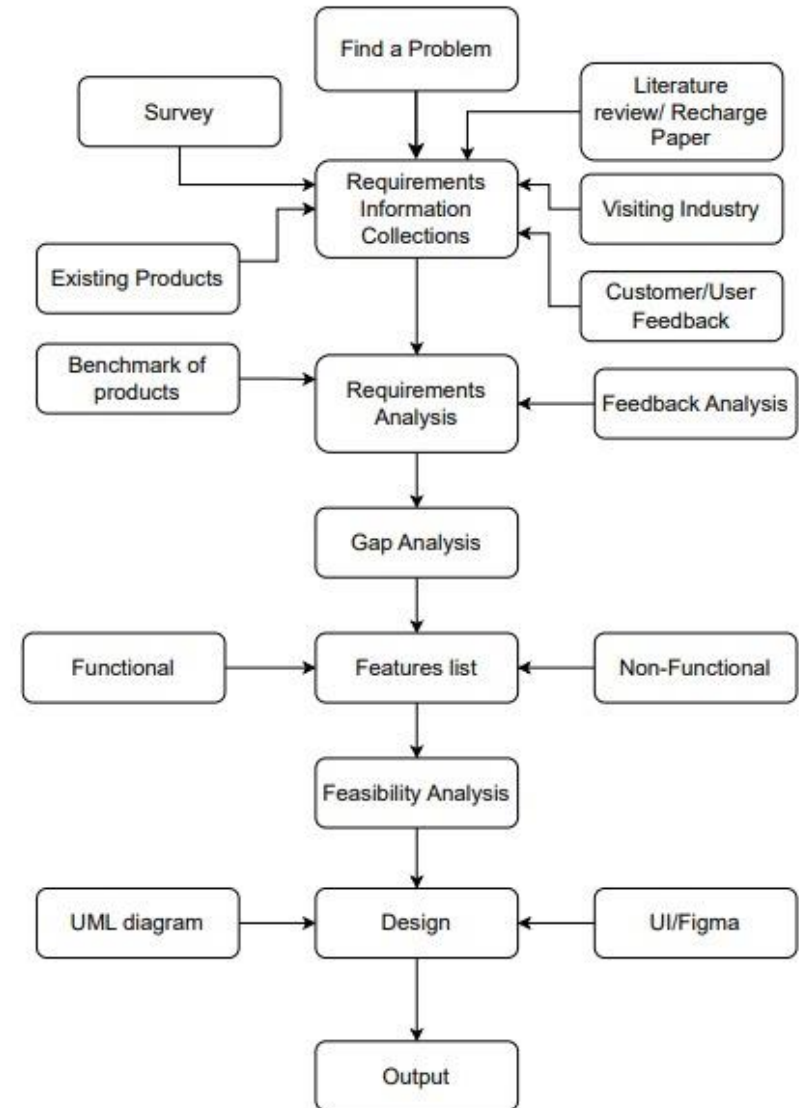


- Hire tutor
- Become tutor
- Tutor List
- Today Available Tuition
- Request for tutors
- Payment

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

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

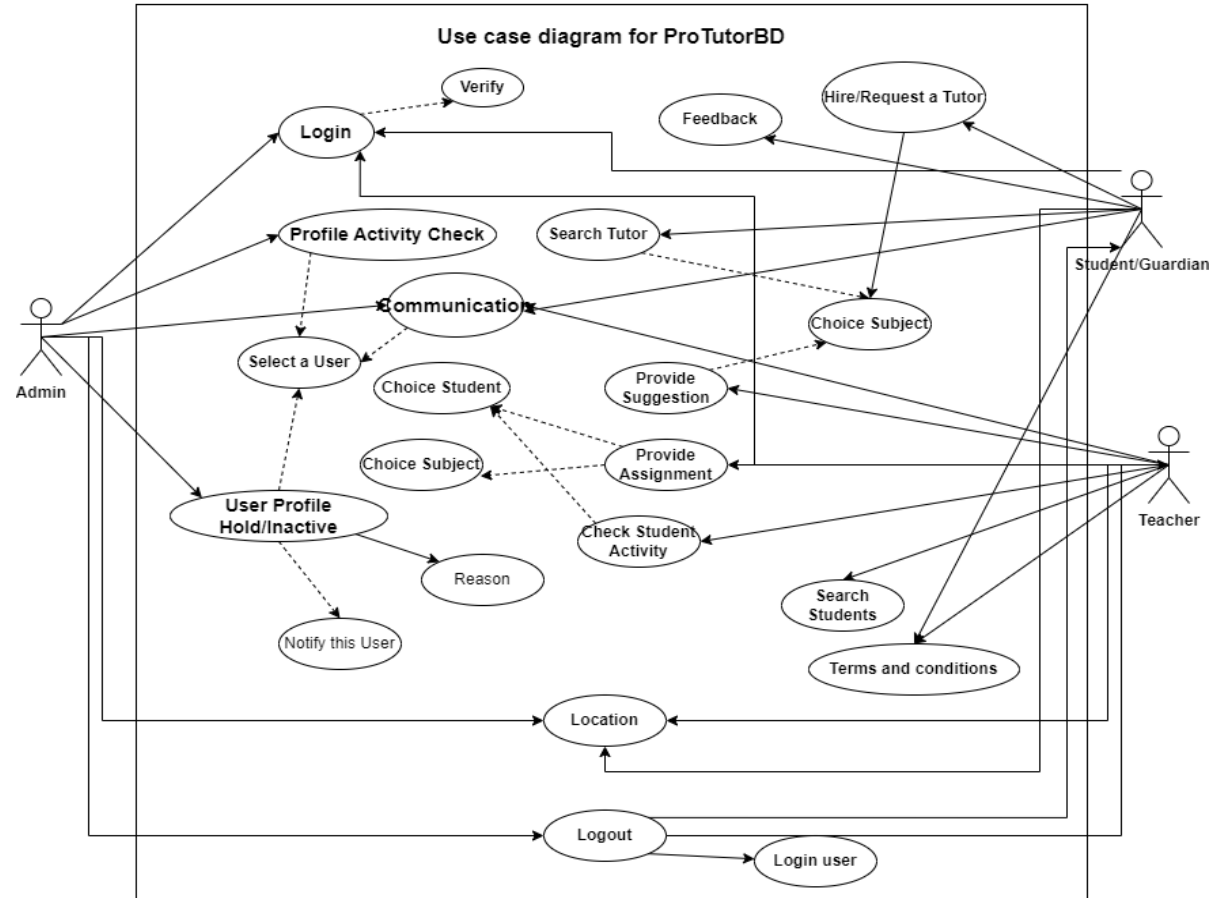
	Year 1				Year 2				Year 3			
Quarterly cash flow statement	1	2	3	4	1	2	3	4	1	2	3	4
Cash flow from Operating Activities												
Revenue	-	-	-	-	4,285,350	8,570,700	12,856,050	17,141,400	21,426,750	25,712,100	29,997,450	34,282,800
Operating Expenses	8,042,265	8,250,685	10,326,940	8,815,009	8,993,288	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">1. Student or guardian search tutor by typing in search box.2. Auto suggested tutor list in dropdown.3. Click on tutor name and search him/her.
Alternative Scenario:	<ol style="list-style-type: none">1. In step 1 after typing something then it will not match from our database and show “no records”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”
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.

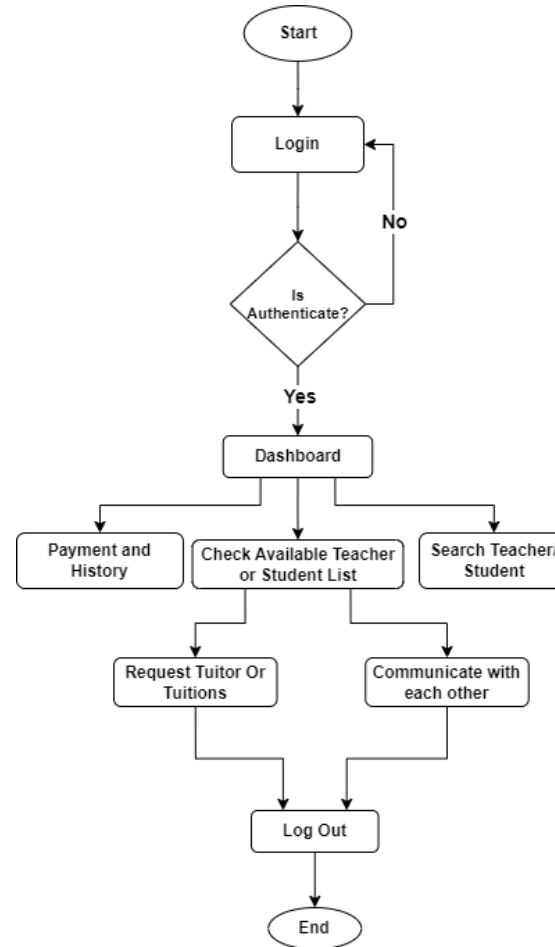
UML Design (Cont.)

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">1. Teacher choice the subject2. Uploaded pdf as suggestion
Alternative Scenario:	<ol style="list-style-type: none">1. In step 1 after choice this subject, if this subject has not enroll of any student then it will show “No enrolled student”2. In step 2 when upload a pdf , if the pdf size is larger then 10mb it will show “Large File Uploaded”
Post condition:	After successfully uploaded file it will show suggest list.

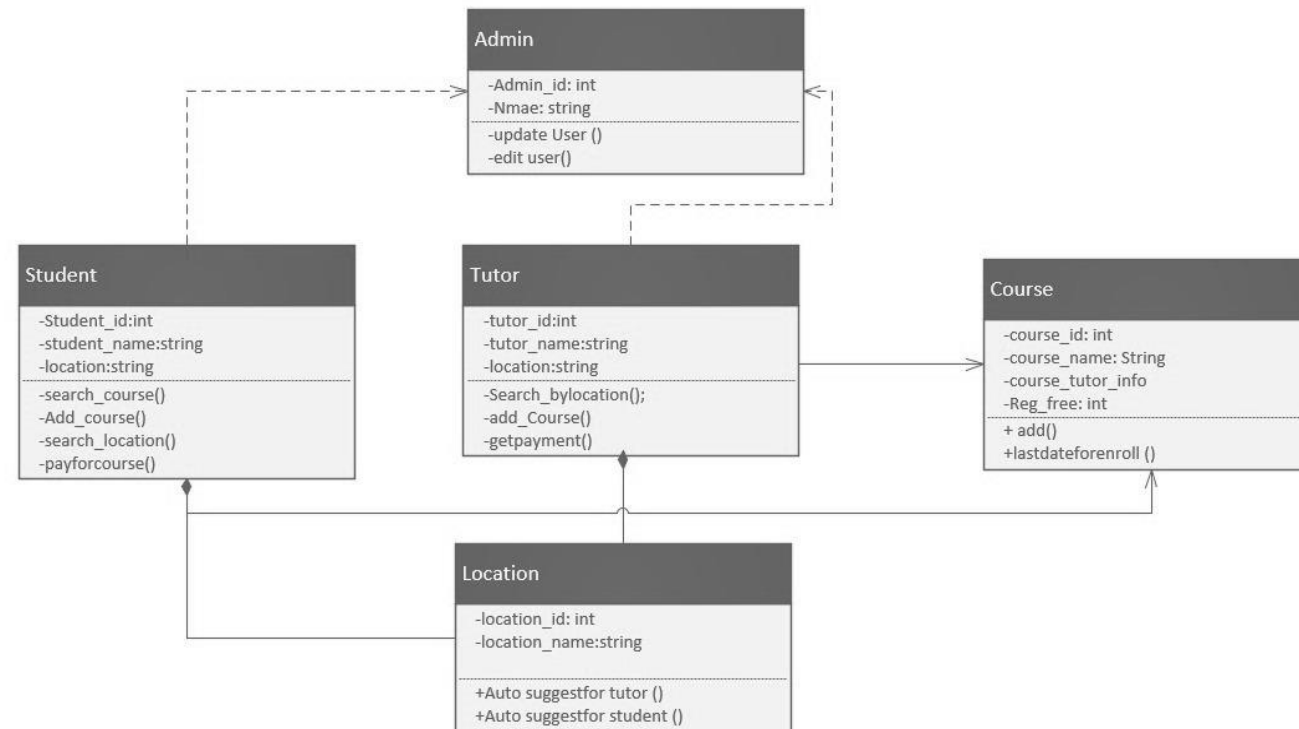
UML Design (Cont.)

Activity Diagram:



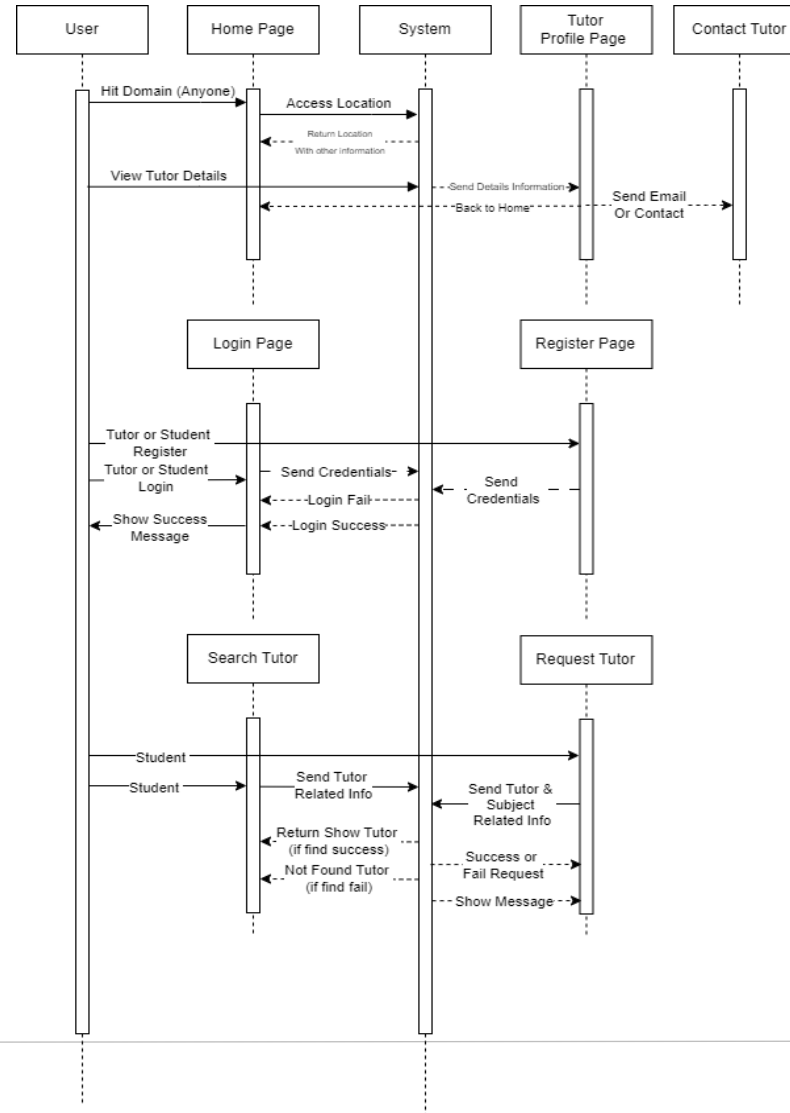
UML Design (Cont.)

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)

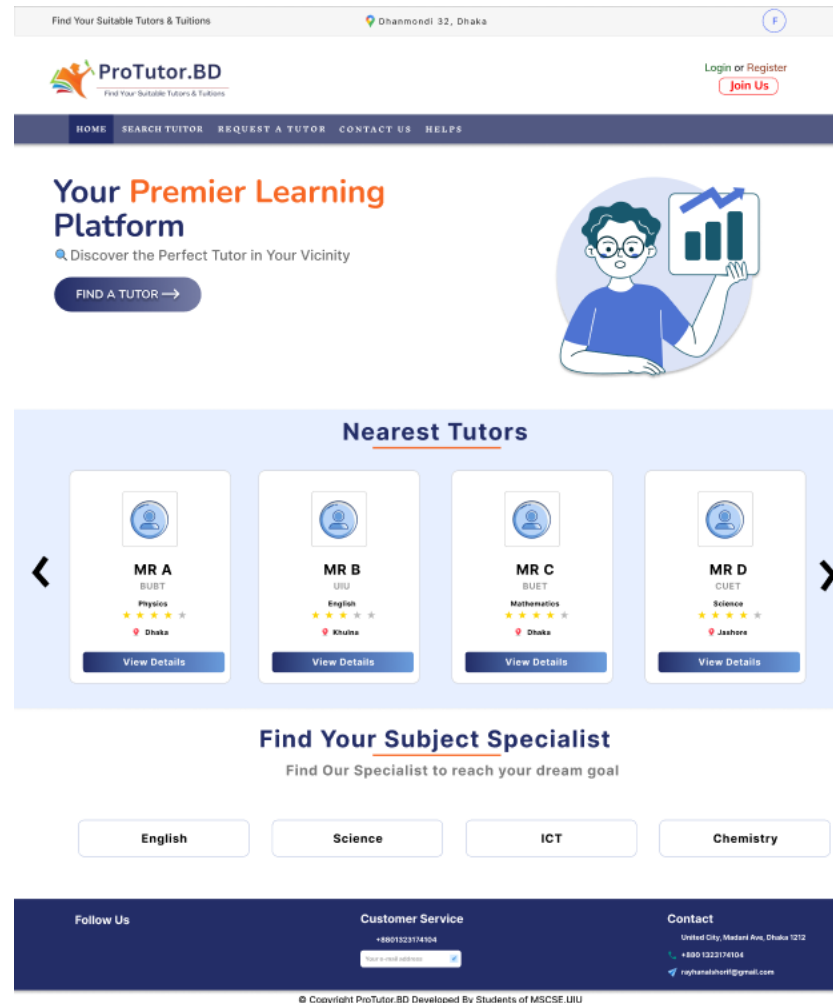



Fig: Home Page

UI Design (Figma)

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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:

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 +8801323174104

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

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Fig: Search Tutor

UI Design (Figma)

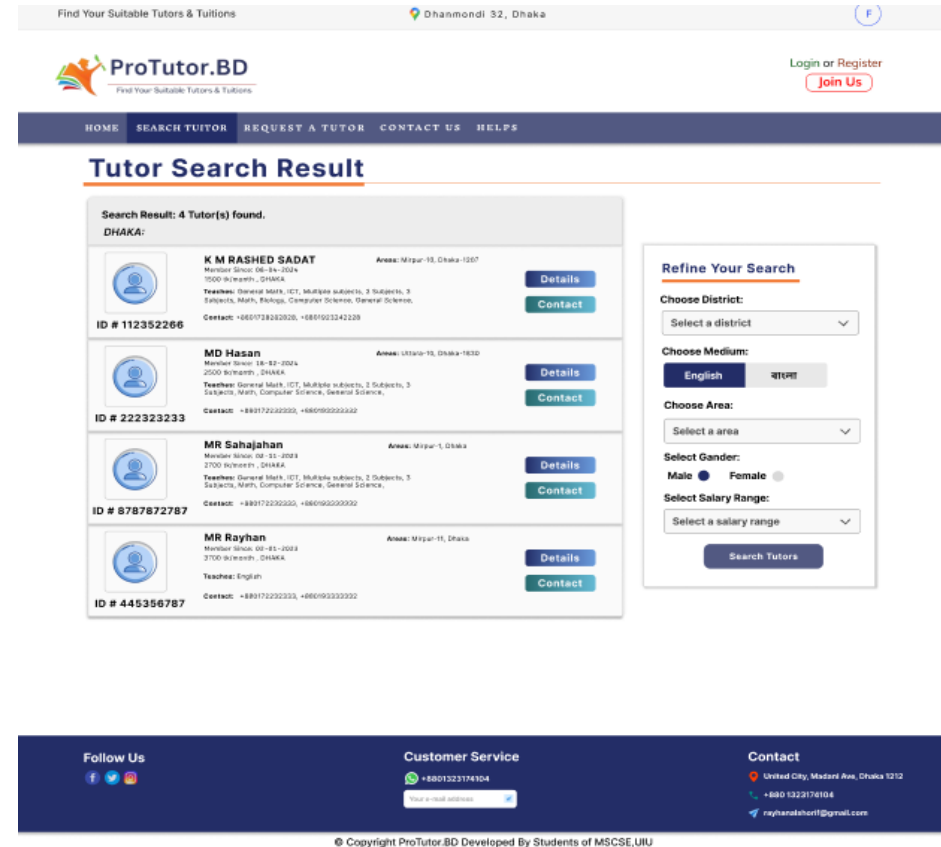


Fig: Search Tutor Result

UI Design (Figma)

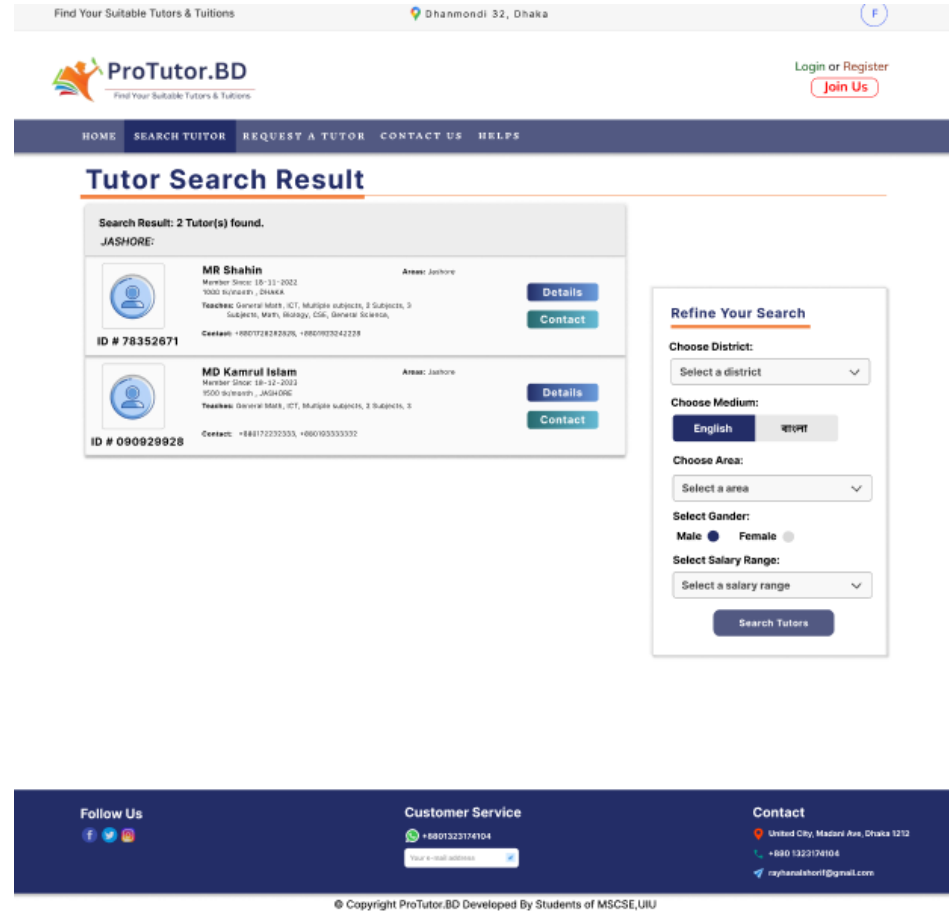


Fig: Search Tutor Result_1

UI Design (Figma)

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Dhananathi 32, Dhaka

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Tutor Profile



Abdul Mannan
ID # 112352367

Experience: Work as a Teacher in Shephard Br 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, KOLIKHET, MISUR, 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 quae vel sit commodo. repudiandae 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	Shephard 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

Follow Us


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Fig: Tutor Profile

UI Design (Figma)

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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

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[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)

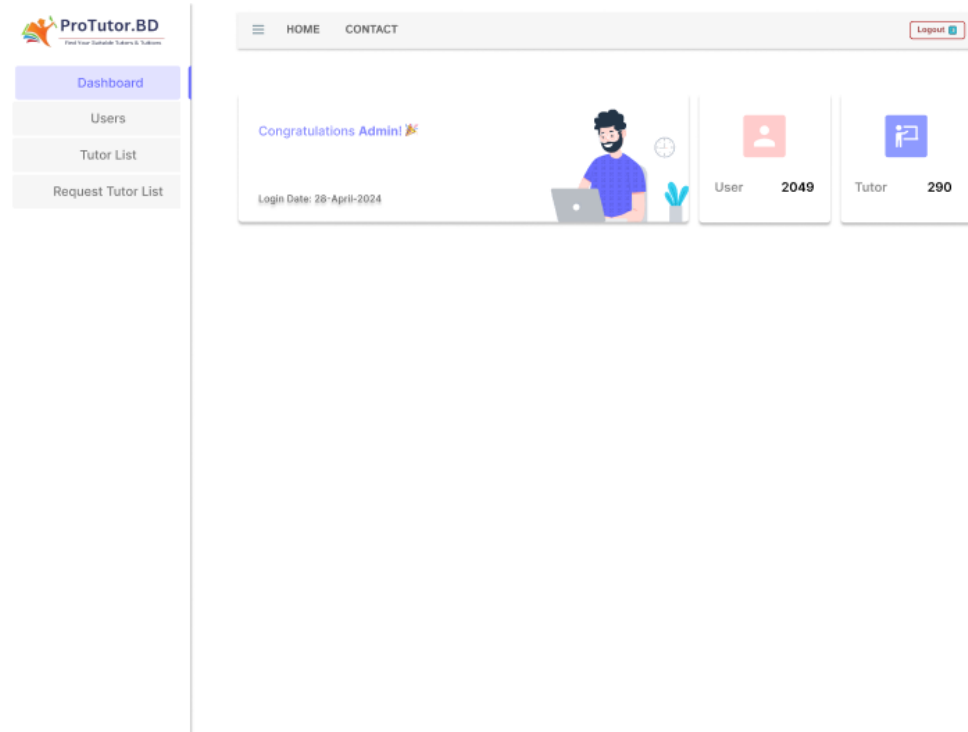


Fig: Admin Dashboard

UI Design (Figma)

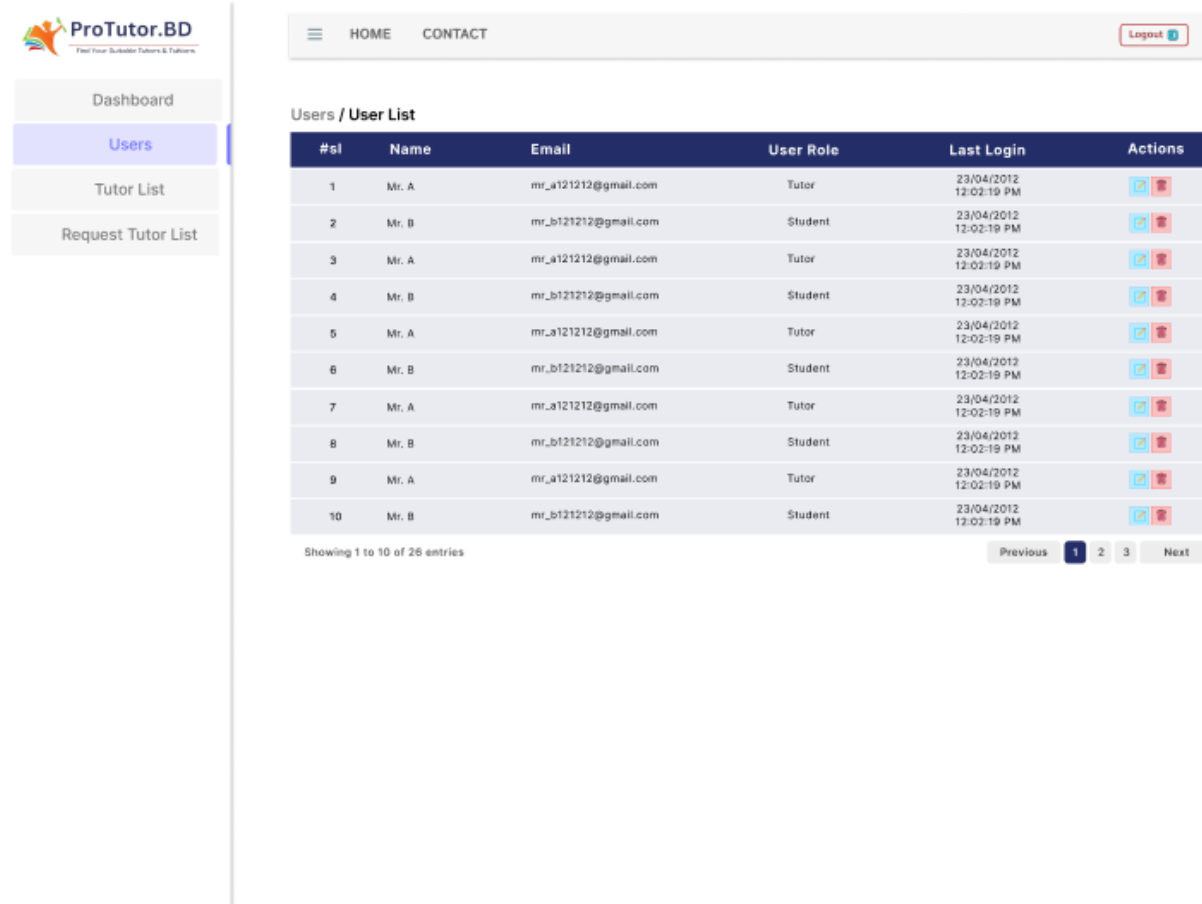


Fig: User list

UI Design (Figma)

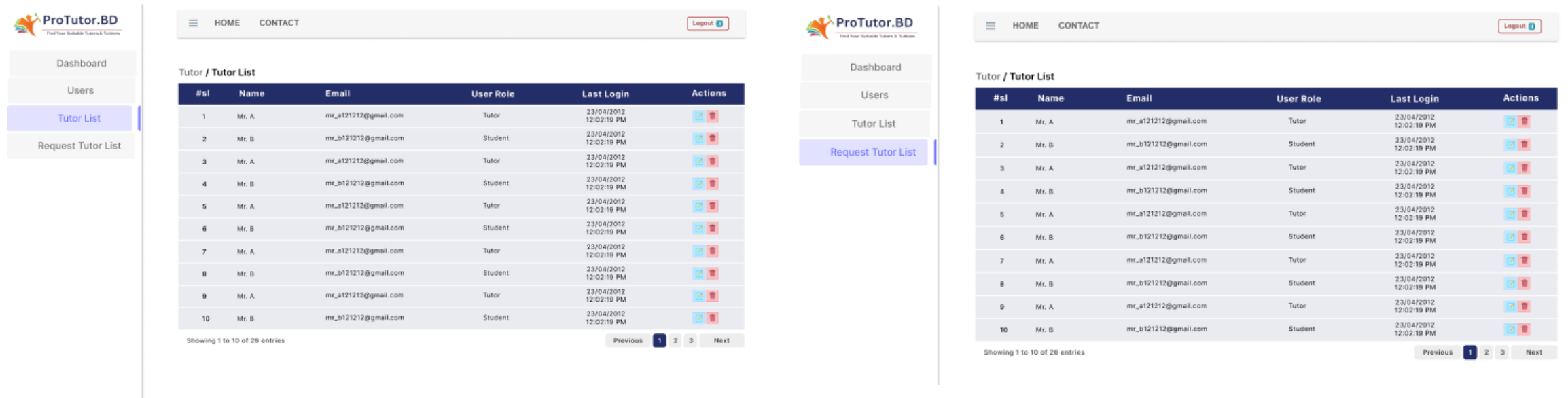


Fig: Tutor list

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

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.