



American International University- Bangladesh
Faculty of Science and Technology

Course: Software Requirements Engineering

Section: A

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Online Tutor Finding System

1. Overview

Life today is getting busier and busier- we are trying to cope up with this situation. The use of an online platform makes our daily lives easier. Education plays important role in our life. To succeed in life and be good human beings, we need proper education. In order to improve education people are searching for reputable educational institutions, excellent teachers, and competent at-home tutors. Finding a home tutor can be difficult when searching manually. And also people who wants to become home tutor- face difficulties in finding tuition. We want to create a system where people can easily join and can select or choose their desire options. This project will make it easier for both students and teachers to discover tutors. Some helpful features will be offered by this project. The use of those features can benefit users.

1. Problem Statement

In Bangladesh, the education policy has become home tutor based. People wish to look after their children by hiring home tutors on education services. However, the manual procedure causes a lot of difficulties when parents want better options for their kids. On the other hand, students or people who wants tuition, didn't get opportunity or face difficulties in manual procedure. The problems are-

- Finding tutors or finding tuitions creates difficulties
- Searching manually, it cost valuable times
- Payment margin related issue or negotiations, sometimes create uneasy situation

2. Requirements

I. Business Requirements

Finding tutor or tuition, most common problem it is time consuming and need to face difficulties. To reduce hassles and difficulties we need to build user friendly system. This project will provide user friendly interface where anyone can sign up and can use all the useful features easily. The project contains all the useful information of tutor and by reading information from the system- user will find possible match for his/her tutor requirements. People can easily find tuition as their expectation. For this system admin will handle all these things. User will sign up in the system then they will get user id and password. By using user id and password they can log in to the system and get benefited by using systems useful features.

- User friendly system
- Wireless medium system
- Hassle free system for the users

II. User Requirements

“Online Tutor Finding System” will be user friendly system. So user can feel easy to use the system and get their desire results quick and fast. The system will have a database which will help to store all

the information. Admin will handle all the things. Two types of user will be available in the system- one who looking for tutor and other looking for tuition. Those who seeking for tuition they need to provide their information to complete their profile. User who wants the tutor they will visit their profile. They can also add their expected tutor requirements specifications. After match their expectation they will send request to the system and admin will justify some process and then complete the task. People can save their times by using the system.

III. Functional Requirements

Admin

- ✓ Admin can create/edit/delete Tutor account
- ✓ Admin can create/edit/delete Guardian account
- ✓ Admin can review information
- ✓ Admin can approve/disapprove requests

Guardian

- ✓ Guardian can register/ sign-up
- ✓ Guardian can login
- ✓ Guardian can login
- ✓ Guardian can change password
- ✓ Guardian can view tutor information

Tutor

- ✓ Tutor can register/ sign-up
- ✓ Tutor can login
- ✓ Tutor can login
- ✓ Tutor can change password
- ✓ Tutor can view tuition request

IV. System Requirements

- Hardware
- Software

3. Requirements Development

Requirement development denotes the process which consists of some set of activities that produce requirements for a specific product. For “Online Tutor Finding System” admin will log in to the system with a specific user id and password. Guardian and Tutor will sign up to the system and will get user id and password. By using Id and password Guardian and Tutor can login to the system. Tutor will provide their information, like name, age, address, educational background. Guardian can fill up expectation form where admin can find desire requirements of Tutor. When both the requirements will match together then Admin will justify some process, then complete the task. This system can reduce the hassle of finding tutor. People can easily find their desirable Tutor from the system.

4. Vision and Scope

Vision

“Online Tutor Finding System” maintain e relationship among Admin, Guardian and Tutor. Through this system they are connected. Guardian and Tutor can easily find their expectation from the system. It will reduce times. People can save their valuable times. Guardian can find many options from the system. So that right/suitable tutor can find easily. Tutor can find their expected tuition from the system. The system will help them to find a numerous number of opportunity.

Scope

The system will create space for Tuition seeker as well as Guardians. Both sides will get benefit from the system. If we add some test/exam to set a rank for tutors then it will be helpful for the guardian to find best rank tutor. Best rank tutors will get higher rate of monthly salary.

5. Context Diagram

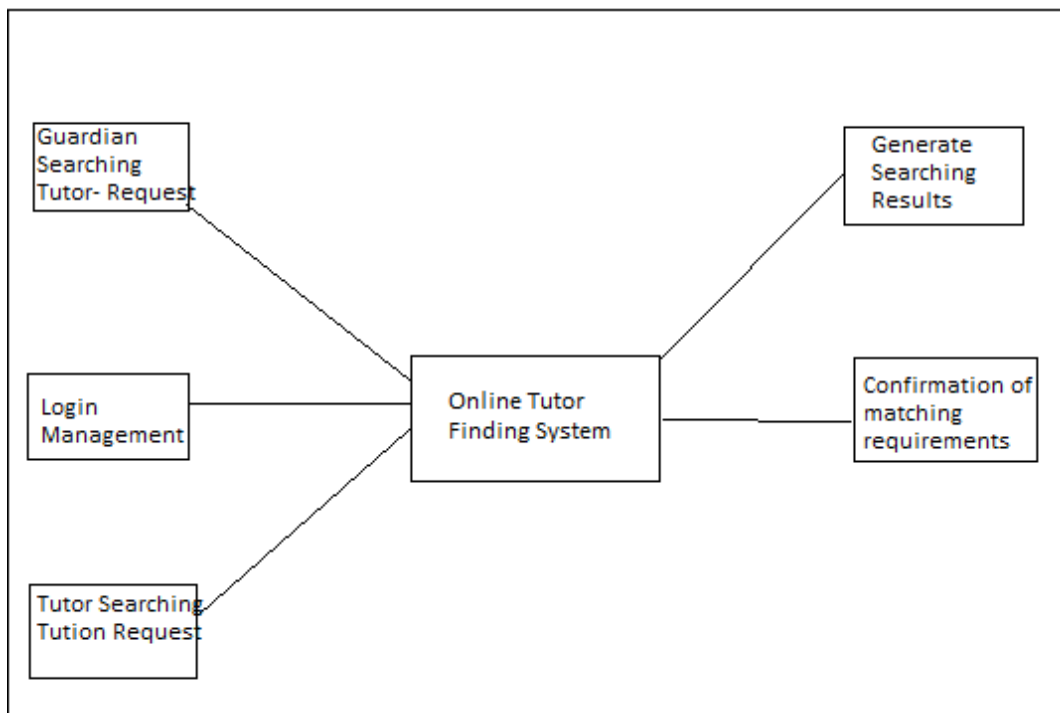


Fig: Context Diagram of Online Tutor Finding System

6. Validation and Verification

This software will be start by giving valid user id and password of exact registered person. After giving their id and password it takes the user to his/her dashboard where they can use features of the system frequently. To register themselves administration and also user gives validate information. Therefore, after confirm all requirements they can get their user id and password. Fulfilling the whole requirement indicate the validation portion.

For verification the user must give valid mobile number where OTP will send via SMS and that OTP confirm or verified the user. Therefore, to get enter the system they must give accurate id and password that indicates the verification option. After successful verification that person can enter the system and perform his/her task.

Reference:

1. <https://nevonprojects.com/online-private-tutors-finder-system/>
2. <https://tutorroom.net/en/lms/online-tutor-management-system/>
3. <https://www.google.com/>