

SOFTWARE REQUIREMENT SPECIFICATION

FOR

QUICKTUTOR

Version 1.0

Prepared by

Group 10

Trần Trịnh Bình Thành
Trần Văn Liên
Nguyễn Hữu Hồng
Trần Như Thuật

K58CA
K59CA
K59CA
K59CA

thanhttb_58@vnu.edu.vn
14020768@vnu.edu.vn
hongnguyenhuu96@gmail.com
14020457@vnu.edu.vn

I – Preface

The purpose of this document is to present a detailed description of the QuickTutor Website System. It will explain the purpose and features of the system, the interfaces of the system, what the system should do, the constraints under which the system must operate and how the system react. This document is intended for both the stakeholders and the developers of the system.

Reference: IEEE. IEEE Std 830-1998 IEEE Recommended Practice for Software. Requirements Specifications. IEEE Computer Society, 1998.

II – Introduction

The system is used to help student's parents looking for an appreciate tutor for their children. On the other hand, student who wants to become a tutor, they can register an account to show their profile. People will see the profile and decide whether this is a suitable tutor as they expect.

More specifically, this is a simple, trustworthy website for students to find tutor according to their preferences and abilities. Tutor creates their own username where they could provide specified information about the class that they tend to teach.

III – Glossary

Term	Definition
Software Requirements Specification	A document that completely describes all of the functions of a proposed system and the constraints under which it must operate. For example, this document.
Database	Collection of all the information monitored by this system.
Tutor	Account registering on the website
Stakeholder	Any person with an interest in the project who is not a developer.
Client	Student or parents who are looking for a tutor

IV – User requirements

Tutor side

*** Create new account**

- Allow tutor to create accounts.
- Each account is identified by a unique username.
- If the username already exists, announce the user.
- If the password and confirm password don't match, announce the user.
- After successful registrations, log the user in.

*** Login**

- A user uses his username and password to login
- Check if (username, password) is a valid pair or not, if not, make an announcement to the user.
- If user forgot their password, provide their new password through email.

*** Create and Edit profile**

- A user can only create, edit his/her profile.
- User must provide all the necessary information, subjects and their spare time.
- If user wants to change his or her password, a confirm password that matches the new password must be provided.

Client side

* Find tutor

- Client find tutor according to their preferences by multiple filters (subject, class, time, location, etc.) without creating a new account.
- Client can observe tutor's profile without permission to edit it.

V – Overall Description

System Environment

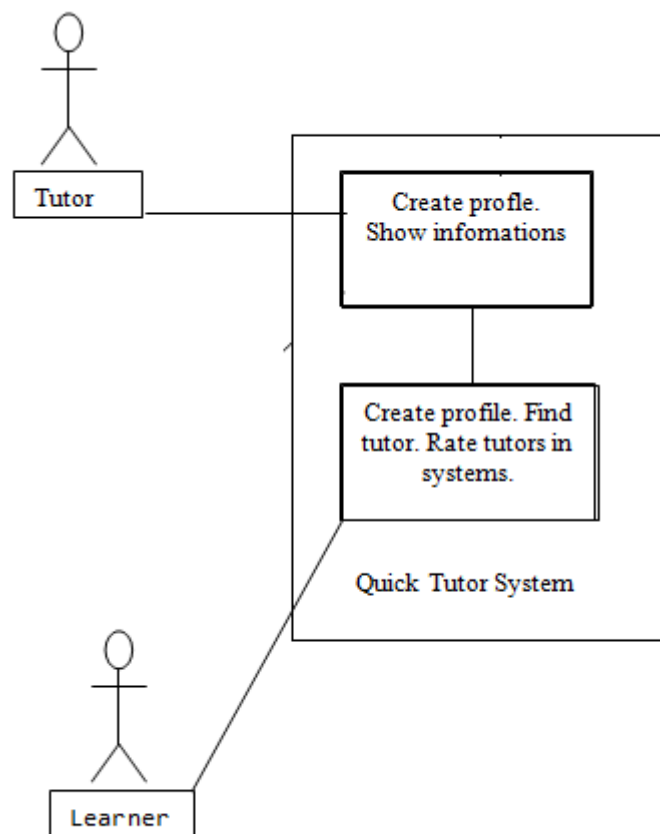
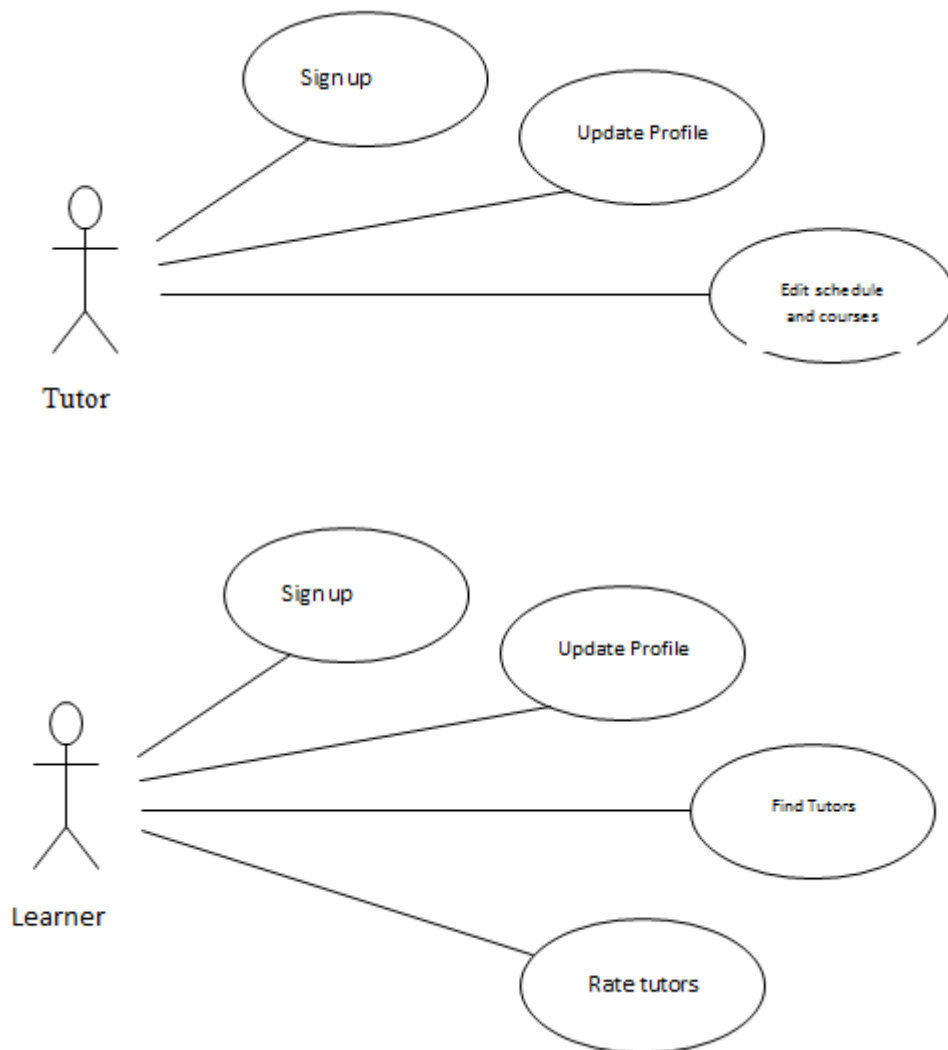


Figure 1 - System Environment

Functional Requirement



Non-functional Requirements

- *Provide a quick and simple response to client, a tutor-ranking based on the number of clients that tutor has taken, the information provided and the update frequency must be calculated in the backend*

VI – Requirement Specification

Use case	Specification
<i>Signup (both tutor and client)</i>	<i>Fill in name, email address, new password</i> <i>Password: 6 characters</i> <i>Email: unique</i>
<i>Login (both tutor and client)</i>	<i>Fill in email address and password</i> <i>Remember login information</i>
<i>Forgot password (bot tutor and client)</i>	<i>Fill in email address and get restored password</i>
<i>Update profile (tutor)</i>	<i>Show information or not</i> <i>Fill in user information (name, birthday, address, job, school, bio, link avatar image, link video)</i> <i>Fill in schedule and course (subject, money require per hour, addresses and times can access)</i>
<i>Find tutor (client)</i>	<i>Select subject, address, job, gender</i> <i>Press the image to show information of tutor</i>
<i>Rate tutor (client)</i>	<i>Comment on the profile of tutor</i> <i>Rate by stars</i>

VII. Evolution

- Build machine learning system
 - Rate user by comments
 - Suggests tutor based on location, and last searching queries
- Build document, chatbot to guide new users and people who want to find tutor