**Project Requirements**

**Project Name:**

**Team: ESE Team 8**

**Customer:**

Revision History

|  |  |  |
| --- | --- | --- |
| **Version** | **Date** | **Revision Description** |
| 0.1 | 06.10.2015 | Regrouping of the first Project Requirements |
| 0.2 | 14.10.2015 | Added missing requirements. |

Date: October 6, 2015

1 INTRODUCTION

## Purpose

This document serves as a description of the project. It includes an overview of the system to be developed, its possible uses, user goals and characterizations and needed specific requirements.

## Stakeholders

Aside from the developers, this project is of interest to the stakeholders, namely the ESE assistants who are client and head of the project, but also the targeted user base: students and tutors (see 1.3).

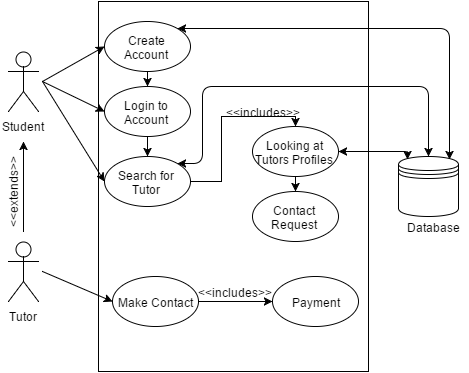
## System Overview

The software system will be a website targeted at university students, who are looking for tutoring in a specific university course, and tutors, who will offer their expertise in those subjects to teach willing students. The platform will enable students to find matching tutors based on their search criteria and connect with them. For this service it will demand a commission on each connect.

# OVERALL DESCRIPTION

## Diagram

***Use Case Diagram (V1.1)***



## Use cases

1. **Create Account**
   1. **Actors**

Student

Tutor

Database (secondary)

* 1. **Description**

A User wants to create a new Account

* 1. **Trigger**

A User clicks on the Sign Up Button

* 1. **Pre-conditions**

User shouldn’t be registered yet

* 1. **Post-conditions**
     1. **For Student**
        1. Username and email must stay unique
        2. Password shouldn’t be null
        3. New User should be saved in Database
     2. **For Tutor**
        1. Must at least teach one Subject
  2. **Main Scenario**
     1. User clicks on the Sign Up Button
     2. The Subscribe Page opens
     3. Enters First Name, Username and Email
     4. Check checkbox “Tutor” if needed
     5. Clicks on the Button Finish
     6. Data is Saved on Database
     7. Opens new Page with: “Sign Up Complete”
  3. **Alternative Scenarios**

User Closes the Window or reloads it, all entered data are deleted

4a. Username or Email already exist in Database

1. Stay on the Subscribe Page
2. Notifies User that Username/Email are already used

4b. Username’s Email is invalid

1. Notifies User that email is invalid

* 1. **Special Requirements**

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* 1. **Notes**

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1. **Fill in account for Tutor**
   1. **Actors**

Tutor

Database (secondary)

* 1. **Description**

As a tutor I want to create a rich profile that highlights my skills and maximizes my visibility.

* 1. **Trigger**

A User clicks on the Create New Account Button

* 1. **Pre-conditions**

User must be logged in as a tutor

* 1. **Post-conditions**

Must at least teach one Subject

* 1. **Main Scenario**
     1. User clicks on the “Fill in my account”
     2. Enters Subjects, Grades and Time Slots
     3. Clicks on the Button Finish
     4. Data is Saved on Database
     5. Opens new Page with: “Your account is updated”
  2. **Alternative Scenarios**

User Closes the Window or reloads it, all entered data are deleted

* 1. **Special Requirements**

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* 1. **Notes**

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1. **Login to Account**
   1. **Actors**

Student

Tutor

Database (secondary)

* 1. **Description**

A User wants to login

* 1. **Trigger**

User enters the URL address of the Website and access the login Page

* 1. **Pre-conditions**

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* 1. **Post-conditions**

1. User enters his/her account if username matches password.
   1. **Main Scenario**
2. User enters the URL address of the Website and access the login Page
3. User enters Username and Password
4. System verifies match with data in Database
5. Data matches, and a new Page Opens with the actual User logged in
   1. **Alternative Scenarios**

3a. Username doesn’t exist in Database

1. Goes back to step 2 with notification to User

3b. Password doesn’t match Username in Database

1. Goes back to step 2 with notification to User
   1. **Special Requirements**

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* 1. **Notes**

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1. **Search for Tutor**
   1. **Actors**

Student

Database (secondary)

* 1. **Description**

As a student I want to find a tutor that studied the subject I'm preparing for.

As a student I want to make sure that a tutor can provide his services according to my needs.

As a student I want to make sure that a tutor has good knowledge of the subject.

* 1. **Trigger**

Student clicks on “Search Tutor” Button

* 1. **Pre-conditions**
     1. Student is logged in
  2. **Post-conditions**

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* 1. **Main Scenario**

1. Student clicks on “Search Tutor” Button
2. Student applies filter
3. Student looks at a Tutor Profile
   1. **Alternative Scenarios**

2a. No Tutor matches the filter

1. System prompts an excuse message
   1. **Special Requirements**

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* 1. **Notes**

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1. **Contact Request**
   1. **Actors**

Student

Database (secondary)

* 1. **Description**

As a student I want to contact a tutor and discuss the details of the engagement.

* 1. **Trigger**

Student has clicked on the “Make Contact” Button on a Tutor Profile Page

* 1. **Pre-conditions**
     1. Student is logged in
  2. **Post-conditions**

1. Contact request sent to Tutor
   1. **Main Scenario**
2. Student has clicked on the “Make Contact” Button on a Tutor Profile Page
3. System sends a Notification Email to the Tutor
   1. **Alternative Scenarios**

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* 1. **Special Requirements**

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* 1. **Notes**

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1. **Make Contact**
   1. **Actors**

Tutor

* 1. **Description**

As a tutor I want to effortlessly interact with potential customers

As a service provider I want to earn a commission on each engagement

* 1. **Trigger**

Tutor receives notification Email

* 1. **Pre-conditions**

Tutor is logged in

* 1. **Post-conditions**

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* 1. **Main Scenario**

1. Tutor receives notification Email
2. Tutor clicks on the link in the Email
3. Tutor accepts the offer
4. Tutor pays the commission
5. Tutor receives Student contacts
   1. **Alternative Scenarios**

3a. Tutor does not accept the offer

1. Student receives Notification Email that the request was declined
   1. **Special Requirements**

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* 1. **Notes**

3 REQUIREMENTS

**Functional requirements**

* FR1 Tutor

A user can create a tutor profile. For signing up, only the username, full name, password and e-mail address are required. Optionally, a tutor can add his course of studies, subject and grade (multiple subjects are possible), semester, university and gender.

The public tutor-profile consists of the following information: First name, fee range, subjects (and their grade, if wanted) and rating.

* FR2 Student

A user can create a student profile. Required sign up information is the email address, a password and an username. The public student profile page consists of the username and email of the user.

FR3 Security ((NFR?))

A user can always login into his created account or log out of it.

* FR4 Search

Search for tutors by subject, fee range, gender, rating and university.

* FR5 Rating

A student can rate his tutor.

* FR6 Initial contact

Initial contact happens within the application. The application contacts the tutor when he was requested by a student.

**Non-functional requirements**

* NFR1 Privacy

Privacy of the tutor and the student: Full name and contact information should only be revealed after successfully establishing contacts.

* NFR2 Commission

The tutor needs to pay a commission to be able to answer requests.

* NFR3 Portability

The system should run on the desktop browsers Firefox and Chrome, but also be working correctly on the iPad.