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

Date: October 6, 2015

1 INTRODUCTION

1.1 *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.

1.2 *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).
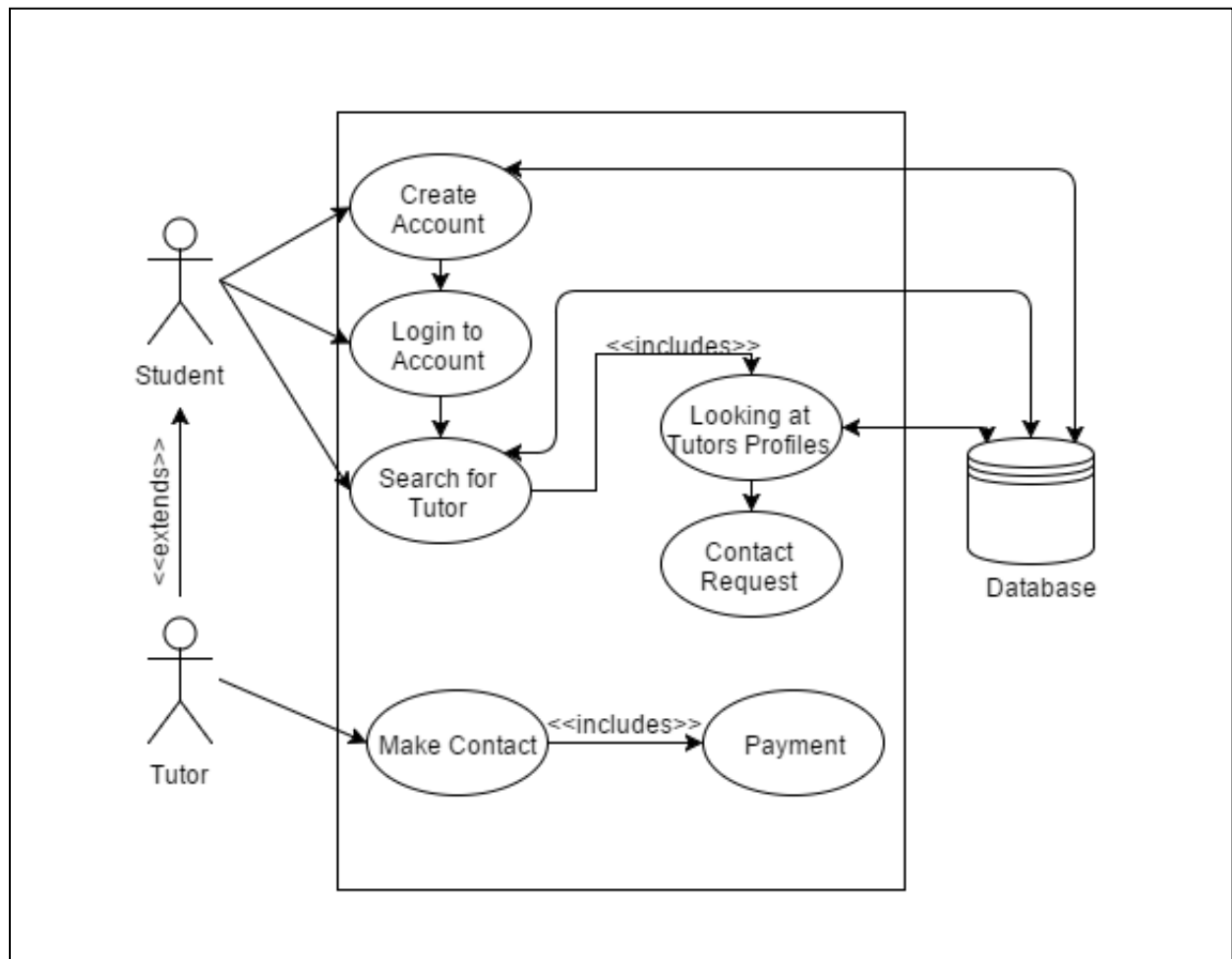
1.3 *System Overview*

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.

2 OVERALL DESCRIPTION

2.1 Diagram

Use Case Diagram (V1.1)

2.2 Use cases

1. **<u>Create Account</u>**
    1.1. Actors
    Student
    Tutor
    Database (secondary)

    1.2. Description
    A User wants to create a new Account

    1.3. Trigger
    A User clicks on the Create New Account Button

    1.4. Pre-conditions
    User shouldn't be registered yet

    1.5. Post-conditions
    1. For Student
    1.5.1.1.   Username and email must stay unique
    1.5.1.2.   Password shouldn't be null
    1.5.1.3.   New User should be saved in Database
    2. For Tutor
    1.5.2.1.   Must at least teach one Subject

    1.6. Main Scenario
    1. User clicks on the Create New Account 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"

    1.7. 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

    1.8. Special Requirements
    -
    1.9. Notes
    -

2. Fill in account for Tutor

2.1. Actors
Tutor
Database (secondary)

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

2.3. Trigger
A User clicks on the Create New Account Button

2.4. Pre-conditions
User must be logged in as a tutor

2.5. Post-conditions
Must at least teach one Subject

2.6. 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"

2.7. Alternative Scenarios
User Closes the Window or reloads it, all entered data are deleted

2.8. Special Requirements
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2.9. Notes
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3. Login to Account

3.1. Actors
Student
Tutor
Database (secondary)

3.2. Description
A User wants to login

3.3. Trigger
User enters the URL address of the Website and access the login Page

3.4. Pre-conditions
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3.5. Post-conditions
1. User enters his/her account if username matches password.

3.6. Main Scenario
1. User enters the URL address of the Website and access the login Page
2. User enters Username and Password
3. System verifies match with data in Database
4. Data matches, and a new Page Opens with the actual User logged in

3.7. 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

3.8. Special Requirements
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3.9. Notes
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4. <u>Search for Tutor</u>

4.1. Actors
Student
Database (secondary)

4.2. 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.

4.3. Trigger
Student clicks on "Search Tutor" Button

4.4. Pre-conditions
1. Student is logged in

4.5. Post-conditions
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4.6. Main Scenario
1. Student clicks on "Search Tutor" Button
2. Student applies filter
3. Student looks at a Tutor Profile

4.7. Alternative Scenarios
2a. No Tutor matches the filter
   1. System prompts an excuse message

4.8. Special Requirements
-

4.9. Notes
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5. Contact Request

5.1. Actors
Student
Database (secondary)

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

5.3. Trigger
Student has clicked on the "Make Contact" Button on a Tutor Profile Page

5.4. Pre-conditions
1. Student is logged in

5.5. Post-conditions
1. Contact request sent to Tutor

5.6. Main Scenario
1. Student has clicked on the "Make Contact" Button on a Tutor Profile Page
2. System sends a Notification Email to the Tutor

5.7. Alternative Scenarios
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5.8. Special Requirements
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5.9. Notes
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6. Make Contact

6.1. Actors
Tutor

6.2. 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

6.3. Trigger
Tutor receives notification Email

6.4. Pre-conditions
Tutor is logged in

6.5. Post-conditions
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6.6. 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

6.7. Alternative Scenarios
3a. Tutor does not accept the offer
   1. Student receives Notification Email that the request was declined

6.8. Special Requirements
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6.9. Notes

3 REQUIREMENTS