**Project Requirements**

**Project Name:** ?

**Team:** ese2015-team7

**Customer:** Niklaus

Revision History

| **Version** | **Date** | **Revision Description** |
| --- | --- | --- |
| .01 |  |  |
| .02 |  |  |
| .. |  |  |
| 1.0 |  |  |
|  |  |  |
|  |  |  |

Date: September 30, 2015

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# Introduction

## Purpose

The goal of this project is to build a web portal targeted to university students who are preparing for a specific exam. The portal/platform connects students with tutors so they get well prepared for exams and improve their knowledge as well as understanding for specific lectures.

## Stakeholders

* Students
* Tutors
* Customer Niklaus
* ese2015-team7

## Definitions

## System overview

The system provides services to sign up and login. When signing up, there's no difference between signing up as a student or tutor. Both user types have to fill in basic information like name, password, email and user name. It should also be possible to extend basic- with optional information like profile picture, short biography, grades, current semester and available time slots.

Once logged in, a selection based search can be done the find matching tutors. There are two types of searching: basic search and specific search. For basic search, the user first selects an university, then a subject and finally a lecture. This will list all tutors offering their help regarding the selections. The specific search mode extends basic search with grades and available time slots selections.

If a student finds a tutor he wants to get in touch with, he contacts the tutor by sending a request. The tutor then can accept and pays a fee for the contact information (like an e-mail-address or a phone number). Payment can be a monthly fee (that starts from the first engagement) or just a single fee for every contact engagement. There is no other communication possible (like a built-in communication system).

Students who got in touch with tutors should have the possibility to rate them. Due to this rating system, students can choose more reliable between several tutors regarding their rating.

## References

Here are some links to existing portals (too generic ones) our customer mentioned.

* [https://tutor24.ch](https://tutor24.ch/)
* [http://www.nachhilfe-vermittlung.ch](http://www.nachhilfe-vermittlung.ch/)
* [http://owltutors.ch](http://owltutors.ch/)

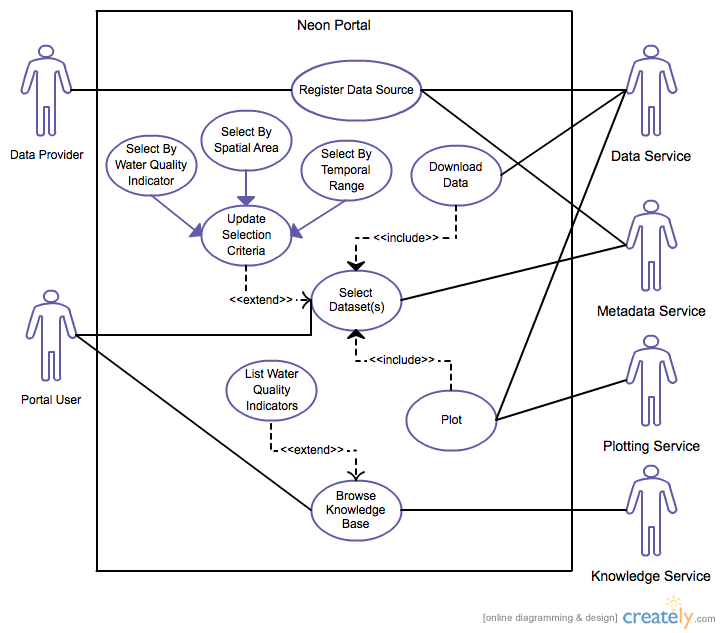
# Overall description

# Diagram

Draw a diagram that shows how your use cases are related to each other.

We recommend using the following authoring tool: www.draw.io

***EXAMPLE***



# Use cases

List of Use cases:

1. Create Profile (Student/Tutor)
2. Configure privacy settings
3. Search for a tutor in a specific subject
4. Order in a variety of criteria
5. Open profiles of tutor(s)
6. Contact the selected tutor(s)
7. Tutor receives (anonymous?) contact request
8. Tutor pays the fee to unlock the contact information
9. Service provider receives the fee
10. **Create Profile (Student/Tutor)**
    1. **Actors**

Customer (Student/Tutor)

* 1. **Description**

As a Customer I want to create a new profile/account to use your services

* 1. **Trigger**

Click on the sign-up button

* 1. **Pre-conditions**

1. Customer has a valid email-address
2. Customer gives a not yet used Username
   1. **Post-conditions**
3. A new profile/account is created in the database with the given information
4. Validation email is sent to the given email-address
   1. **Main scenario**
5. Customer clicks on the sign-up button
6. Customer enters his information
7. System checks validity of email-address
8. System checks validity of Username
9. System sends a validation email to the given email-address
10. A new profile/account is created in the database with the customer's data
    1. **Alternative scenarios**
       1. Given email-address mail not valid
          1. System will prompt customer to enter a valid email-address
          2. User gives a valid email-address
          3. Use case resumes on step 4
       2. Given username already in use
          1. System will prompt customer to enter a different username, stating that the given username is already in use
          2. User gives a valid username
          3. Use case resumes on step 5
    2. **Special requirements**
    3. **Notes**
11. What is the maximum amount of characters used for username?
12. Are there any special conditions on the username, e.g. at least one number, or at least one capital letter?

***EXAMPLE***

1. **Withdraw Cash** (Enter a short name for the Use Case using an active verb phrase)
   1. **Actors**

Customer

[An actor is a person or other entity external to the software system being specified who interacts with the system and performs use cases to accomplish tasks. Different actors often correspond to different user classes, or roles, identified from the customer community that will use the product. Name the actor that will be initiating this use case (primary) and any other actors who will participate in completing the use case (secondary).]

* 1. **Description**

As a customer I want to withdraw money from my account.

[Provide a brief description of the reason for and outcome of this use case.

Format: As a [user role] I want to [goal] (so I can [reason])]

* 1. **Trigger**

Customer inserts ATM card.

[Identify the event that initiates the use case. This could be an external business event or system event that causes the use case to begin, or it could be the first step in the normal flow.]

* 1. **Pre-conditions**
     1. Customer has active deposit account with ATM privileges
     2. Customer has an activated ATM card

[List any activities that must take place, or any conditions that must be true, before the use case can be started. Number each pre-condition.]

* 1. **Post-conditions**

1. Customer receives cash
2. Customer account balance is reduced by the amount of the withdrawal and transaction fees

[Describe the state of the system at the conclusion of the use case execution. Should include both *minimal guarantees* (what must happen even if the actor’s goal is not achieved) and the *success guarantees* (what happens when the actor’s goal is achieved. Number each post-condition.]

* 1. **Main Scenario**

1. Customer inserts ATM card
2. Customer enters PIN
3. System prompts customer to enter language performance English or Spanish
4. System validates if customer is in the bank network
5. System prompts user to select transaction type
6. Customer selects Withdrawal From Checking
7. System prompts user to enter withdrawal amount
8. …
9. System ejects ATM card

[Provide a detailed description of the user actions and system responses that will take place during execution of the use case under **normal, expected** conditions. This dialog sequence will ultimately lead to accomplishing the goal stated in the use case name and description.]

* 1. **Alternative Scenarios**

4a. Customer is not in the bank network

1. System will prompt customer to accept network fee
2. Customer accepts
3. Use Case resumes on step 5

4b. Customer is not in the bank network

1. System will prompt customer to accept network fee
2. Customer declines
3. Transaction is terminated
4. Use Case resumes on step 9 of normal flow

[Document branches from the main flow to handle special conditions (also known as extensions). For each alternative flow reference the branching step number of the normal flow and the condition which must be true in order for this extension to be executed.]

* 1. **Special Requirements**

User validation (step 4) cannot take more then 30 seconds.

[Identify any additional requirements, such as nonfunctional requirements, for the use case that may need to be addressed during design or implementation. These may include performance requirements or other quality attributes.]

* 1. **Notes**
     1. What is the maximum size of the PIN that a use can have?

[List any additional comments about this use case or any remaining open issues or TBDs (To Be Determined) that must be resolved.]



# Specific requirements

*(define all the* [*functionalities*](http://en.wikipedia.org/wiki/Functional_requirement) *that your application needs to fulfil the scenarios described in section 2)*

## Functional requirements

## Non-functional requirements

(external, performance, etc.)