Defining Use Cases for GPA-Calculator Application for Student

Use Case 1: Registration

A Student SignsIn to the Application by putting in his credentials such as fullname, age, gender and course of study, aswell as a unique email-adress and a password.

With the button click of ok, he is successfully registerd in the application otherwise there will be an error.

Use Case 2: SignIn

After a successfull registration and the creation a an account the Student signs in to the application to view his profile. The Student types in his email-address and password,

used to register his account then presses ok. If the inputs are all correct his profile opens instantly which consists of his full name and

his course of study aswell as his current GPA. If no GPA has being calculated the default GPA is zero. If the inputs were incorrect the student can attempt to type in the correct inputs.

Use Case 3: SignOut

Student exists in the application securely. Clicks on \*logout\*. Session ends and user is redirected to login screen.

Use Case 4: GPA Calculation

A student can caluclate their GPA based on selected courses and grades. The student selects course names from a list. Inputs achieved grades and credits per course.

Clicks \*Calculate GPA\* button. The system computes and displays cumulative GPA.

Use Case 5: Password Reset

Student recovers account access. Student clicks on \*forgot password\*. Enters registered eimal. Recieves password reset link or temporary code. Creates a new password to regain

access to account.

Use Case 6: Delete Account

Student deletes his account by clicking on \*delete my account\*. A window opens in which the student has to enter his password. Student clicks on \*confirm and delete\*.

The account is successfully the home screen for registration appears.