**Requirements**

**System**

* allow its users to sign in using a unique username and a password
* allow its users to have a profile and view their personal information
* logout of the system
* display and perform actions under 5 seconds
* generate documents within 20 seconds
* a user’s data cannot be modified by another user
* able to restart after failure
* back-up data and recover data
* generate crash logs

Functional Requirements

1. General User
   1. Sign in using the account’s unique username and password
   2. View the profile details - email, username, first name, last name, password
   3. Edit the profile’s password, which must have at most 16 characters, with at least one lowercase, one uppercase letter and one number
   4. Log out of the account
2. Student
   1. Student Enrollment
      1. Enroll to a valid year

* Period for enrollment should be valid
* Select a department from the list
* The app will automatically assign you your study year based on your history of study (e.g.: you completed year 2 at Informatics and you press Enroll, the app will put you in year3, but if you enroll for something in which you have no history the app will put you in year1)
* Your application will be on pending until somebody from the staff accepts your application (you can be accepted after you submit the required documents)
  + 1. Provide valid documents - Enrollment letter in pdf format
    2. Enroll to at most 2 years of study to a faculty
  1. Curriculum
     1. View curriculum of enrolled year(s)
     2. Add optional courses to curriculum – optionals are selected from a list of approved optionals
     3. Sign educational contract – user presses a button to accept the educational contract
     4. View grades – Show the grades for the enrolled courses for the user

1. Teacher
   1. Optional Courses
      1. Propose at most 2 optional courses in the department in which the teacher belongs for the next study year
   2. Grades
      1. Grade a student in one of the teacher’s mandatory or optional classes using a scale from 1 to 10
      2. View the list of students’ grades in one of the teacher’s` classes
   3. Chief of Department
      1. Optional Courses
         1. View the list of proposed optional courses in the department
         2. Approve a list of proposed courses for the next study year
         3. Specify a maximum number of students for each optional course
         4. View the disciplines that each teacher will give in the following study year
         5. View statistics for disciplines represented by the average of the grades in the specified discipline
         6. View statistics for teachers represented by the average result of all the disciplines they teach
2. Faculty Staff
   1. Administrative
      1. View the list of the students from each group ordered by their academic results
      2. View the list of students from each year ordered by their academic results
      3. Order the list of students from each year based on their results
      4. Filter the list of students based on different criteria (e.g.: the average grade in an interval)
      5. Access the funding level
      6. Decide the number and recipients of studying grants based on results and funding