SOFT-FORCE TEAM ASSIGNMENT - 4
A4 SRS 2

DONE BY:
BERIK KHAMIT
ABAI ZHARDEM
ASKAR BAIBOSSYNOV
ABILKAIYR DOSZHANOV

3.1 External Interface Requirements

3.1.1 User Interfaces

See Assignment 1

3.1.2 Hardware Interfaces

None

3.1.3 Software Interfaces

None

3.1.4 Communications Interfaces

// example: modem etc (OMIT for now)

3.2 FEATURES

3.2.1 Login Page

3.2.1.1 Login success/fail

3.2.1.1.1 The user shall type his/her unique username into a username field.

3.2.1.1.2 The user shall type his/her password into a password field.

3.2.1.1.3 The user shall press "Login" button to enter into system.

3.2.1.1.4 The system shall check for existence of this user in database.

3.2.1.1.5 The system shall redirect user to main page, if user is exists in database.

3.2.1.1.6 [Inverse Requirement] The system should not allow the user to enter to system, if user types wrong username or password, or both, or leaves it empty.

3.2.1.1.7 [Error Handling] The system should display an error message, if user types wrong username or password, or both, and presses login button.

3.2.1.2 Forgot password

3.2.1.2.1 The system shall provide "Forget password" link in login page.

3.2.1.2.2 The system shall redirect user to "Forget password" page, if user pressed "Forget password" link.

3.2.1.2.3 The user shall type his/her username into username field.

3.2.1.2.4 The user shall type his/her email into email field.

3.2.1.2.5 The user shall press "Remind" button, to send his/her password to email

3.2.1.2.6 The system shall check for matching and existence of entered username and email in

database.

3.2.1.2.7.1 [Inverse Requirement] The system should not redirect user to "Forget password" page, if user did not pressed "Forger password" link.

3.2.1.2.7.2 [Inverse Requirement] The system should not send message with user's password, if his/her entered username and email does not exists in database.

3.2.1.2.8 [Error Handling] The system should display an error message, if users username or email does not exists in database.

3.2.2 Register page

3.2.2.1 Register success/fail

3.2.2.1.1 The admin shall type student's username into a username field.

3.2.2.1.2 The admin shall type student's e-mail into an e-mail field.

3.2.2.1.3 The admin shall type student's password into a password field.

3.2.2.1.4 The admin shall type student's password into a retype password field.

3.2.2.1.5 The admin shall press "Register" button to register student into system.

3.2.2.1.6 The system shall check "are unique username and e-mail".

3.2.2.1.7 The system shall redirect to main page, if user registered successfully.

3.2.2.1.8 [Inverse Requirement] The system should not allow to register, if username or e-mail, or both already exist in database, or leaves empty one of the fields in the "Register page" or password field, and retype password field doesn't match, or password size is less than 8 symbol.

3.2.2.1.9 [Error Handling] The system should display an error message, if users username or email already exists in database, or leaves empty one of the fields in the "Register page" or password field, and retype password field doesn't match, or password size is less than 8 symbol.

3.2.3 Profile

3.2.3.1 View Profile

3.2.3.1. The system shall display all information about user which was provided during registration of user

3.2.3.1.2 [Inverse Requirement] The system should not display empty information

3.2.3.2 Update/Edit Password

3.2.3.2.1 Only The system shall provide password resetting page.

3.2.3.2.2 The user shall change his/her password in this page.

3.2.3.2.3 The user shall type old password in "old password" field.

3.2.3.2.4 The user shall type new password in "new password" field.

3.2.3.2.5 The user shall retype new password in "confirm new password" field.

3.2.3.2.6 The user shall press reset button, in order to reset his/her password

3.2.3.2.7 [Inverse Requirement] The system should not reset password, if old password or new password, or confirm new password field are not correctly filled.

3.2.3.2.8 [Error Handling] The system should display an error message, if old password or new password, or confirm new password field are not correctly filled.

3.2.3.3 Students Management

3.2.3.3.1 Admin can view all students

3.2.3.3.1.1 The System shall display the list of all students.

3.2.3.3.1.2 Only Administrator shall view list of all students.

3.2.4 Add New Student

3.2.4.1 Only the administrator can add new student

3.2.4.2 The System shall allow to administrator to add new student when Add New Student menu item is selected.

3.2.4.3 The System shall return registration form.

3.2.4.4 Administrator shall fill all the fields.

3.2.4.5 Administrator shall insert photo of an student when "Browse" button is clicked.

3.2.4.6 The System shall automatically check "User ID" using Ajax

3.2.4.7 The System shall show possible user IDs if User ID exists.

3.2.4.8 Administrator shall select gender from list.

3.2.4.9 Administrator must fill all required fields.

3.2.4.10 The System shall save all data when "Save" button is clicked.

3.2.4.11 The System shall return to main page when "Cancel" button is clicked.

3.2.5 Delete Student

3.2.5.1 Only administrator can delete student.

3.2.5.2 The System shall display list of all students when "Update Students" menu item is selected

3.2.5.3 Administrator shall select product that he/she wants to select.

3.2.5.4 The Administrator shall select a student that his/she's profile needs to be updated.

3.2.5.5 The System shall display profile of selected student.

3.2.5.6 The System shall check profile when "Update" button is clicked.

3.2.5.7 The System shall return to list of students when "Cancel" button is clicked

3.2.5.8 [Error Handling] The System shall return registration form with error message when required fields are not filled.

3.2.5.9 [Error Handling] The System shall return profile of the student with error message when required fields are missed.

3.2.5.10 [Inverse Requirement] The System shall not add new student if there exists an error pointed out in the 3.2.4.4.9

3.2.5.11 [Inverse Requirement] The System shall not update student's profile, if there exists an error pointed out in the 3.2.4.4.9.1

3.2.6 Group Manage (Taraf Management)

3.2.6.1 View All Groups

 3.2.6.1.1 The System shall display the list of all groups as a table when "All Groups" menu item is clicked.

3.3 Performance requirements

1. Scalable to at least hundreds or thousands of users. Must support up to 2000 users at one

time.

3.4 DESIGN CONSTRAINTS

Java(Play Framework) , PostgreSQL, HTML, CSS, JSON, Bootstrap, Git, Ajax

3.5 SOFTWARE SYSTEM ATTRIBUTES

3.5.1Reliability

3.5.2Availability

To visit our web-application you shouldn't have to many resources, just internet.

3.5.3 Security

3.5.4 Maintainability

3.5.5 Portability

This software is web based; thus, it is extremely portable.

3.6 OTHER REQUIREMENTS

None.