Diploma Projects Management App

Sprint Report

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ΔΑΦΝΑΚΗΣ ΓΕΩΡΓΙΟΣ
ΤΣΑΠΙΚΟΥΝΗ ΓΕΩΡΓΙΑ

VERSIONS HISTORY

Date	Version	Description	Author
18/05/2023	<1.0>	Version of diploma thesis application.	Alexiou Vasileios, Dafnakis Georgios, Tsapikouni Georgia

1 Scrum team and Sprint Backlog

1.1 Sprints

<List below the sprints that you performed and the user stories that have been realized in each Sprint>

Sprint No	Begin Date	End Date	Number of weeks	User stories
			3 Days	**U1,U2**
			1 week	**S1,P1**
			1 week	**S2,S3,S4**
			2 weeks	**P1,P2,P3,P4,P5,P6**

2 Use Cases

2.1 <RegisterUser >

Use case ID	UC1
Actors	User
Pre conditions	The user is on the homepage of the application.
Main flow of events	1. The use case starts when the user presses register. 2. The system displays a registration form. 3. The user enters his username. 4. The user enters his password. 5. The user has the following options. 5.1 Either he/she chooses the role of professor. 5.2 Either he/she chooses the student role. 6. The user clicks on the register button.
Alternative flow 1	If the user does not choose to agree to the terms and provide all the information, then a message appears “Please check this box if you want to proceed”
Post conditions	The system has registered this record in the database and the user can browse the application.

2.2 <LoginUser>

Use case ID	UC2
Actors	User
Pre conditions	The user is on the homepage of the application and is already registered in the system.

Main flow of events	1. The use case starts when the user presses the login button. 2. The system displays a login form. 3. The user enters the username with which is registered. 4. The user enters the password with which he registered. 5. The user presses the login button.
Alternative flow 1	If the user presses an invalid username or password, the system will display an error message “Username or password is invalid”.
Post conditions	The system displays the functions that can be selected by the user.

2.3 <ProfileStudent>

Use case ID	UC3
Actors	Student
Pre conditions	The student is logged into the app.
Main flow of events	1. The use case starts when the student presses the profile button. 2. The system displays a student profile form. 3. The student fills in his/her profile name. 4. The student fills in the years they have been studying. 5. The student fills in his/her current GPA. 6. The student completes how many courses he has left for the degree. 7. The student clicks on the submit button.
Alternative flow 1	If the student does not complete a field, the system displays an error message.
Post conditions	The system has displayed the student’s details to the professors who have subjects available.

2.4 <AccessThsesisList>

Use case ID	UC4
Actors	Student
Pre conditions	The student is already registered in the system with the corresponding role and is in the Student Dashboard.
Main flow of events	1. The use case starts when the student clicks on the subject List button. 2. The system displays a list of available subjects. 3. The user has access to all available titles of thesis subjects and their details.
Alternative flow 1	In case the user wants to return to the student dashboard he can click on the back to dashboard button.
Post conditions	The system correctly displays all available titles of thesis subjects and their details.

2.5 <AnalyseDiplomaThesisSubject >

Use case ID	UC5
Actors	Student
Pre conditions	The student is already connected and is in the subject list of the application.
Main flow of events	1. The use case starts when the student presses the details button. 2. The system displays the title, objectives, and professor of the subject.
Alternative flow 1	In case the student wants to return to the subject list he/she presses the back to subject list button.
Post conditions	The system correctly displays the title, objectives, and the professor of the subject.

2.6 <ApplyDiplomaThesisSubject>

Use case ID	UC6
Actors	Student
Pre conditions	The student is already connected and is in the subject details of the application.
Main flow of events	1. The use case starts when the student presses the apply button. 2. The user is registered in the system. 3.The system returns the student to the student dashboard.
Alternative flow 1	In case the student applies to a thesis subject that he/she has done before, a message “already applied for this subject appears on the console”.
Post conditions	The system informs the teacher that a student has applied for a diploma thesis.

2.7 <ProfileProfessor>

Use case ID	UC7
Actors	Professor
Pre conditions	The professor is logged into the app.
Main flow of events	1. The use case starts when the professor presses the profile button. 2. The system displays a professor profile form. 3. The professor fills in his/her full name. 4. The professor fills in his/her specialty. 5. The professor clicks on the submit button.
Alternative flow 1	There is no alternative flow.
Post conditions	The system has registered more information about each professor to which the student can have access.

2.8 <AcessMySubjectList>

Use case ID	UC8
Actors	Professor
Pre conditions	The professor is logged into the system and is in the professor dashboard.
Main flow of events	1. The user clicks on my student list button. 2. The system displays the list of available thesis subjects which have been declared by the professor registered in the system.
Alternative flow 1	In case the professor wants to return to the professor dashboard he/she presses the back to Dashboard button.
Post conditions	The system correctly returns the list of all available subjects offered by the professor.

2.9 <AddDiplomaThesisSubject>

Use case ID	UC9
Actors	Professor
Pre conditions	The professor is logged into the system and is in the professors' subjects.
Main flow of events	1. The user presses the add subject button. 2. The system displays a form to add a new subject.

	3. The professor enters the title of the new project. 4. The professor adds information about the thesis subject that he/she is offering. 5. The professor presses the save button after completing the form.
Alternative flow 1	In case the professor does not fill out a field from the add form, a message "Please fill out this field appears on screen"
Alternative flow 2	If the professor presses the cancel button, the system returns him back to the professor dashboard.
Post conditions	The system returns the updated list of subjects offered by the professor.

2.10 <DeleteDiplomaThesisSubject>

Use case ID	UC10
Actors	Professor
Pre conditions	The professor is logged into the system and is in the professors' subjects.
Main flow of events	1. The user presses the delete button. 2. The system deletes the button that the professor choose to remove.
Alternative flow 1	There is no alternative flow
Post conditions	The system returns the updated list of subjects offered by the professor.

2.11 <ShowApplicationList>

Use case ID	UC11
Actors	Professor
Pre conditions	The professor is logged into the system and is in the professors' subjects.
Main flow of events	1. The professor presses the see applicants button. 2. The system displays a list of candidates for the specific diploma thesis subject that the professor clicked on.
Alternative flow 1	In case the professor presses the back to dashboard button it returns him to professor dashboard.
Post conditions	The system returns the list of candidates from which the professor can choose who to deal with the specific subject.

2.12 <AssignDiplomaThesisSubjet>

Use case ID	UC12
Actors	Professor
Pre conditions	The professor is connected to the application and is on the list of candidates.
Main flow of events	1. The system has displayed the list of candidates. 2. The professor chooses which candidate to give the subject by pressing the assign button on the specific student selected.
Alternative flow 1	In case the professor presses the back to dashboard button it returns him to professor dashboard.
Post conditions	The system assigns the subject to the selected student.

3 Design

- Package CS.UOI.diploma-thesis-application.controller

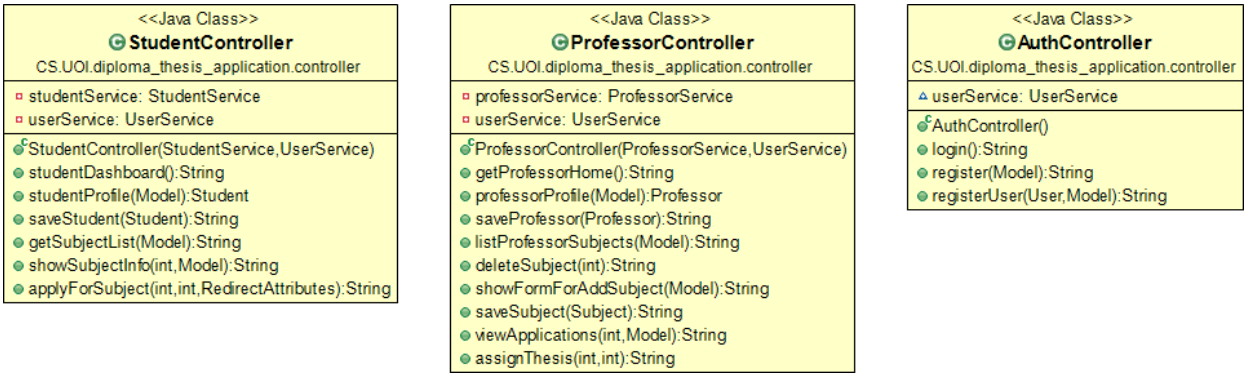

FIGURE 1

- Package CS.UOI.diploma-thesis-application.service

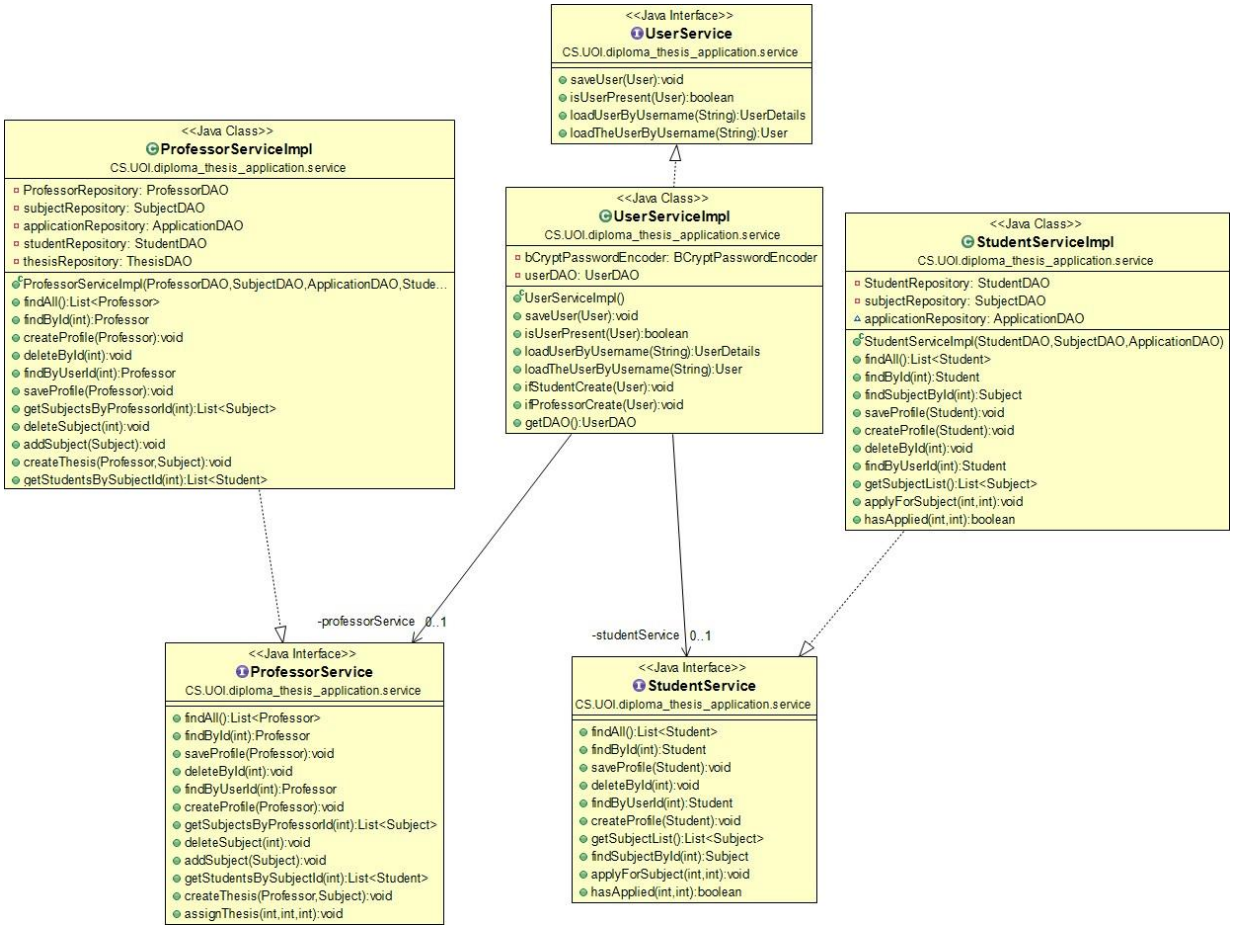

FIGURE 2

- Package CS.UOI.diploma-thesis-application.model

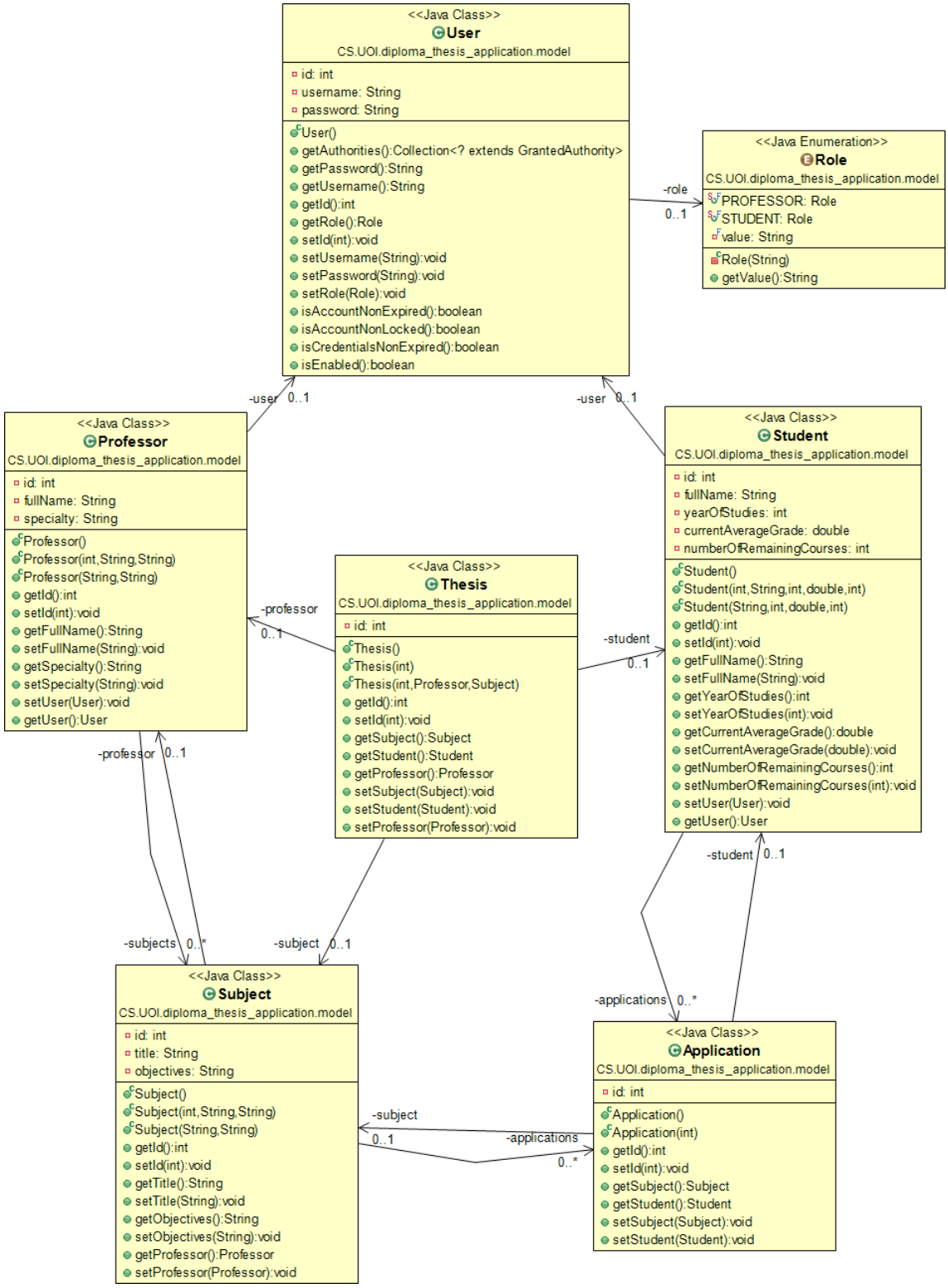

FIGURE 3

- Package CS.UOI.diploma-thesis-application.dao

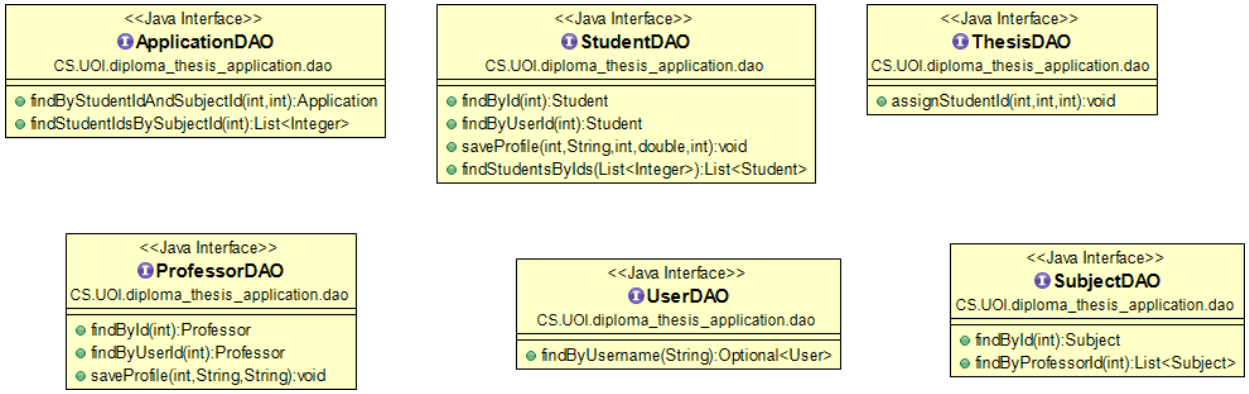

FIGURE 4

- Package CS.UOI.diploma-thesis-application.config

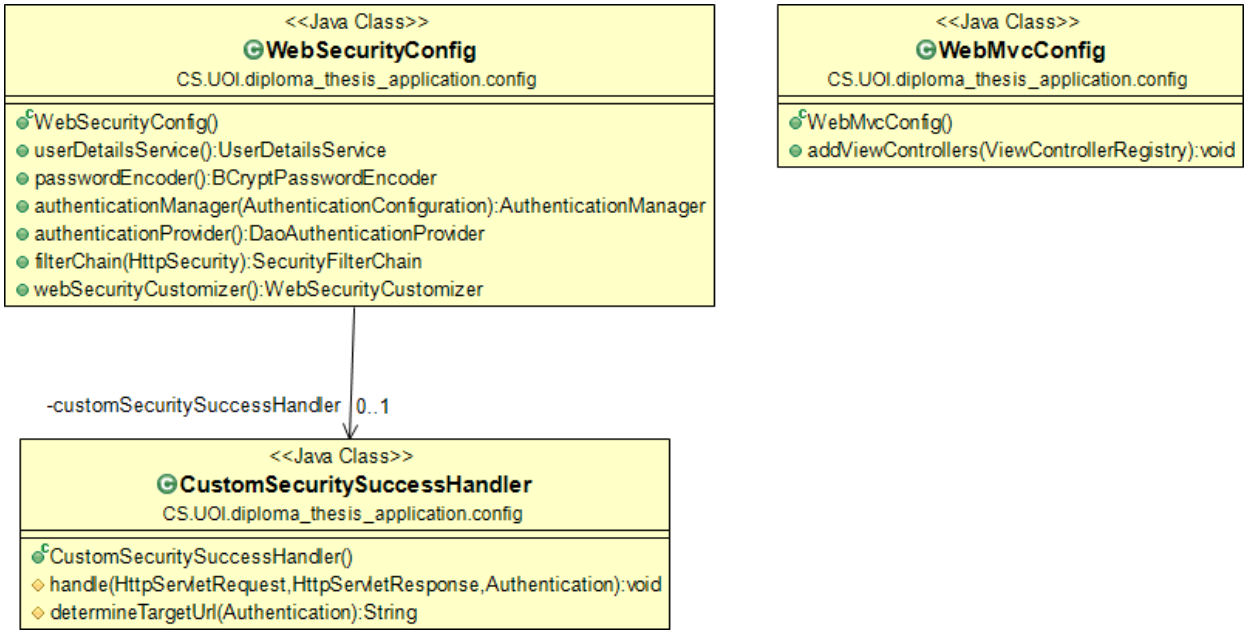

FIGURE 5