Quiz of the Lecture

Group (2) by
Basem Awwad Al-moziny - No. 3706683
Abdullah Abdelrhman Al-johani - No. 3692642

Supervised by
Dr. Mohammad M. Alsuraihi

12/4/2019

Introduction

The project is an website through which any university faculty member can download Quiz page at the end of each lecture.

Problem and Solution

Some students suffer from not knowing the method of the questions in the periodic or final test, which causes them to stress in the test and get a lower score, but the solution is to have a website can be any professor at the end of the lecture to download the Quiz page of the same topic of the lecture.

Goal and Objectives

- The goal is to summarize the most important points of the lecture and to clarify and train students to the questions of tests.
- The objectives :
1. Ease and speed of use of the website.
2. The speed of adding the Quiz page for students.
3. The existence of a specific time for Quiz.
4. Ability to browse the pages of the previous Quizzes.

Project Scope

Project be between faculty members of the university and the students and may be linked in future to student services on the university website.

System Requirements

The system provides the professor with the addition of the Quiz page at any time. Also the system provides the professor Quizzes browsing of the students. Also the system provides the student browsing Quizzes that is solved.

User Requirements

The professor and the student must register for the website account.

Functional Requirements

1. The system must create a course list for the professor.
2. The system must create a section list for the course professor.
3. The system must create a students list for the section of the course professor.
4. The system must allow the student to view any Quiz page the student has answered.
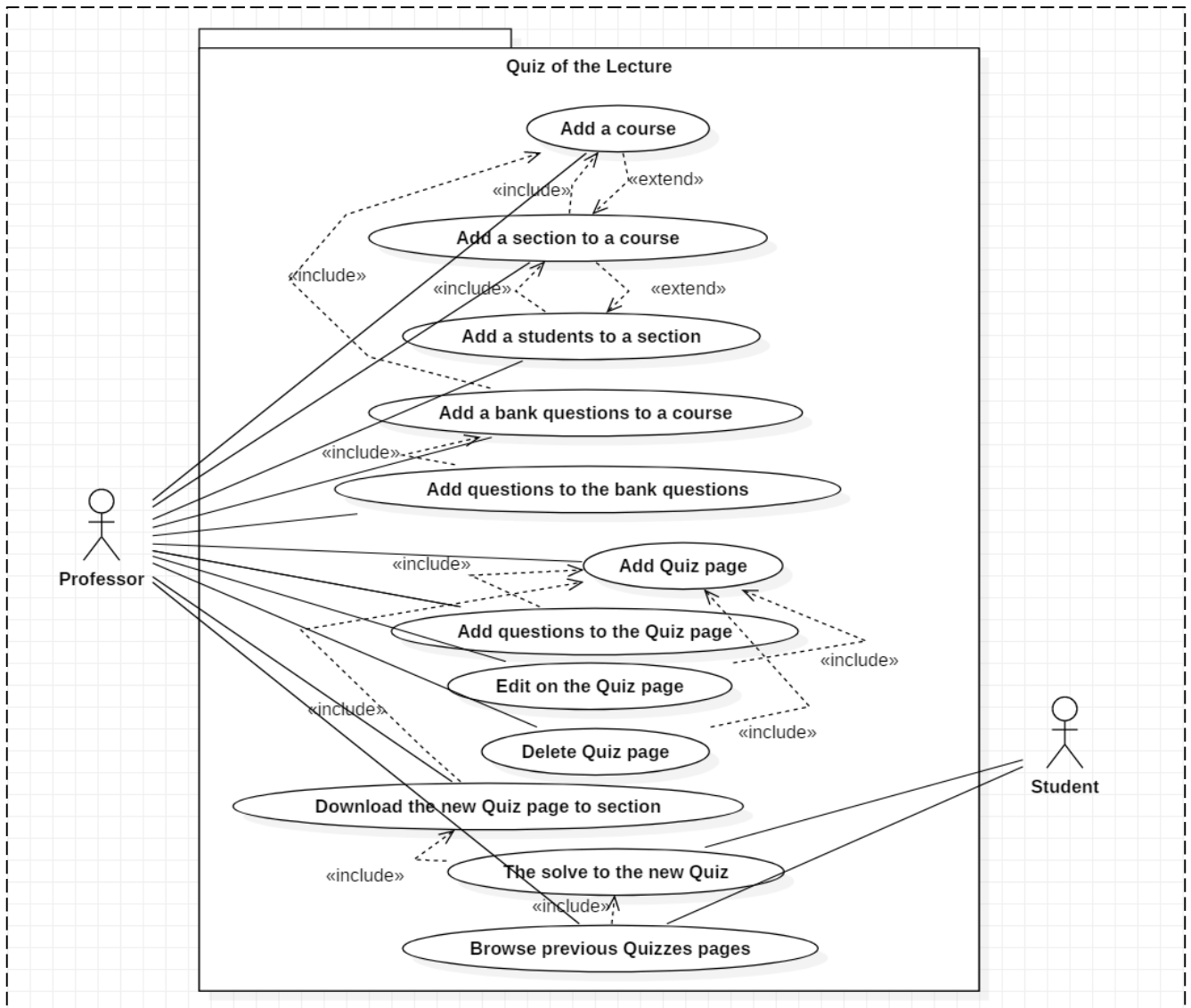
Non-functional Requirements

1. The system must allow the student to access the new Quiz page only once.
2. The system must not allow the student to exit the new Quiz page until the specified time has elapsed.
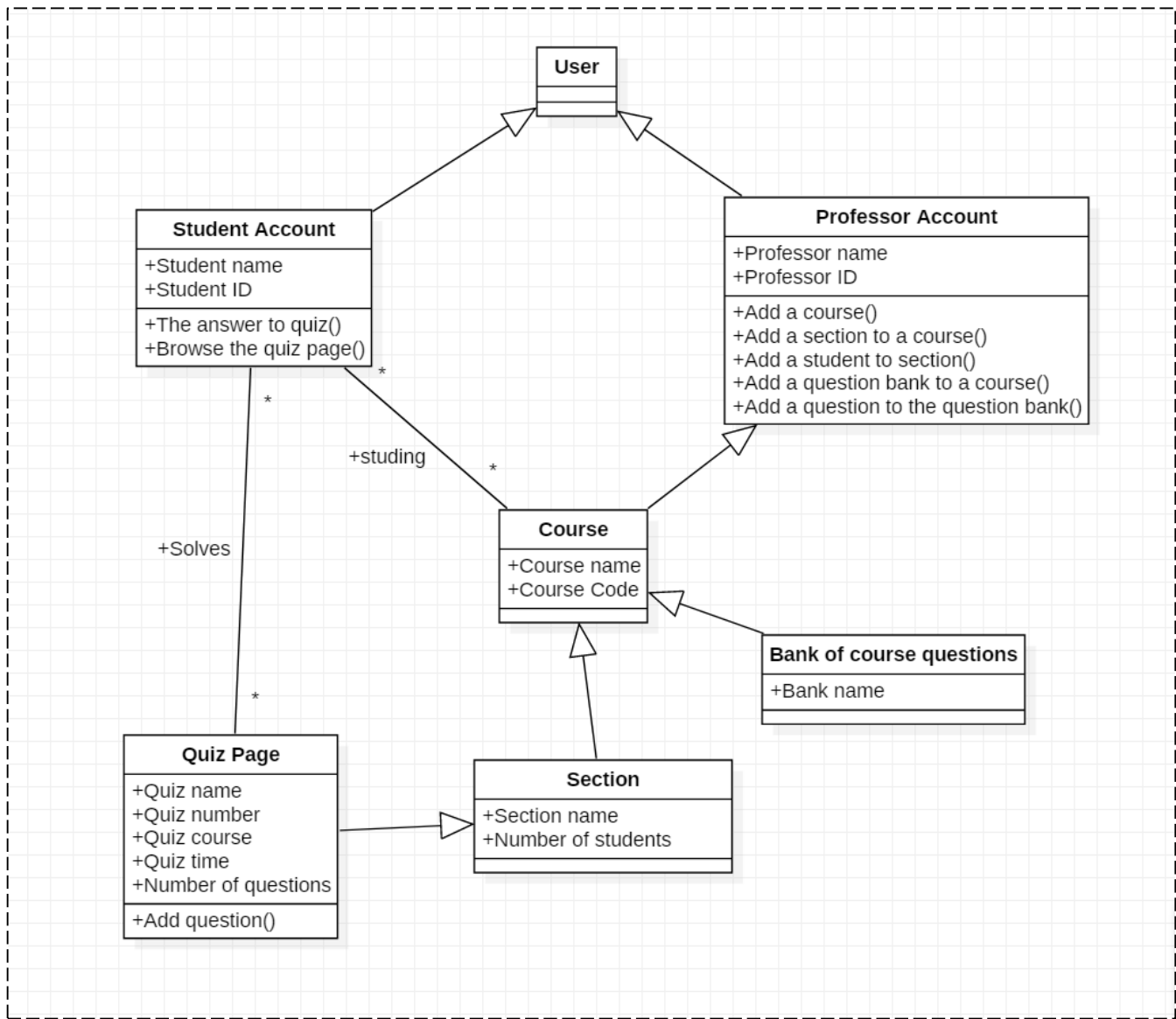
Scenarios

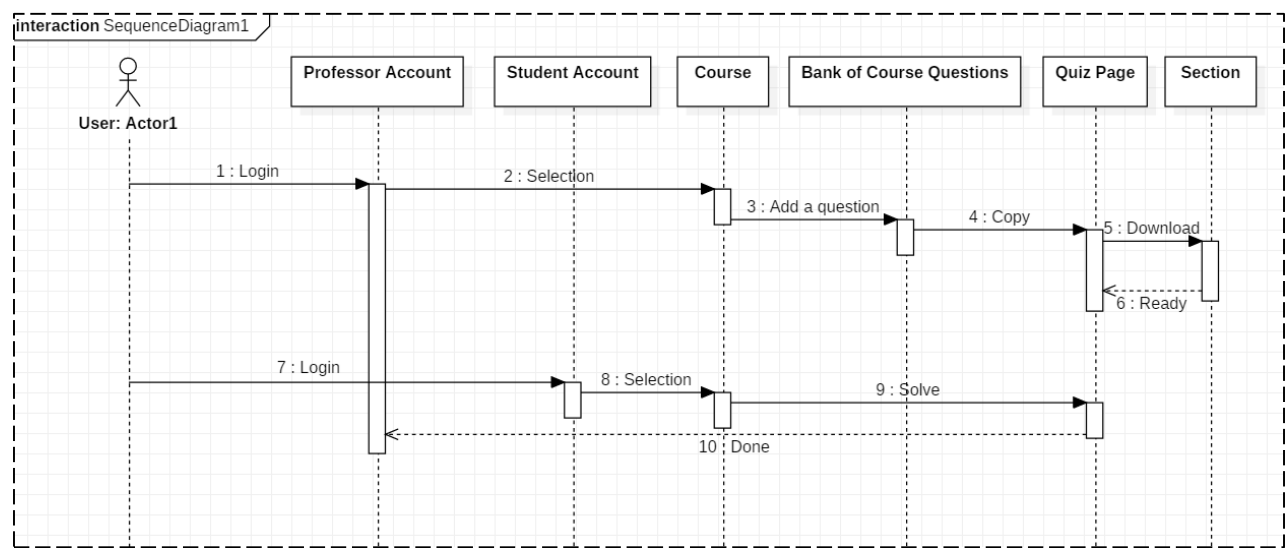| Scenario name	QuizPage
Participating actor	Student, Course Professor
Flow of events	1. Course professor will explain the lecture to the students. After that at the end of the lecture he will open the website and add a special Quiz to the same topic of the lecture in the list of the intended section. 2. The student will open the site and enter the new Quiz page and answer the questions in time for Quiz. 3. After that, the course professor will browse the pages of the Quizzes and correct them for students.

System Modeling

Function Model => Use Case diagram

Quiz of the Lecture

- Add a course
- Add a section to a course
- Add a students to a section
- Add a bank questions to a course
- Add questions to the bank questions
- Add Quiz page
- Add questions to the Quiz page
- Edit on the Quiz page
- Delete Quiz page
- Download the new Quiz page to section
- The solve to the new Quiz
- Browse previous Quizzes pages

«include» «extend» «include» «extend» «include» «include» «include» «include» «include» «include»

Professor

Student

Object Model => Class Diagram

User

Student Account
+Student name
+Student ID

+The answer to quiz()
+Browse the quiz page()

Professor Account
+Professor name
+Professor ID

+Add a course()
+Add a section to a course()
+Add a student to section()
+Add a question bank to a course()
+Add a question to the question bank()

+studing

+Solves

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Course
+Course name
+Course Code

Bank of course questions
+Bank name

Quiz Page
+Quiz name
+Quiz number
+Quiz course
+Quiz time
+Number of questions

+Add question()

Section
+Section name
+Number of students
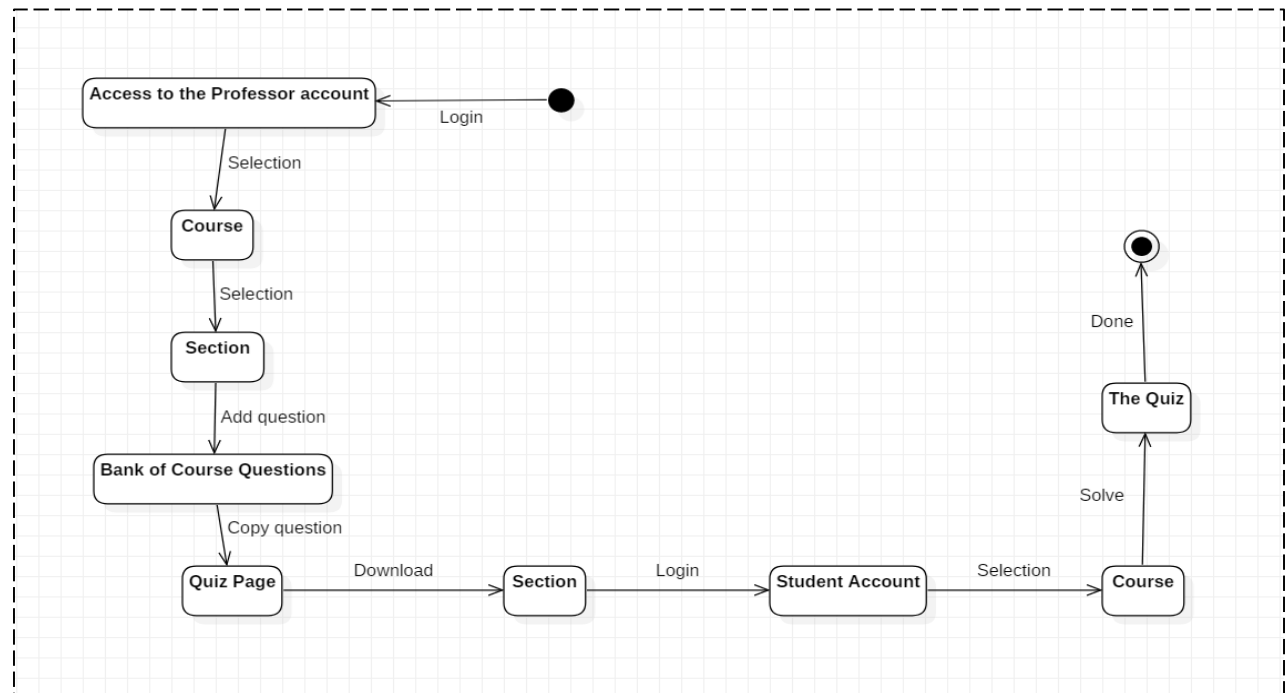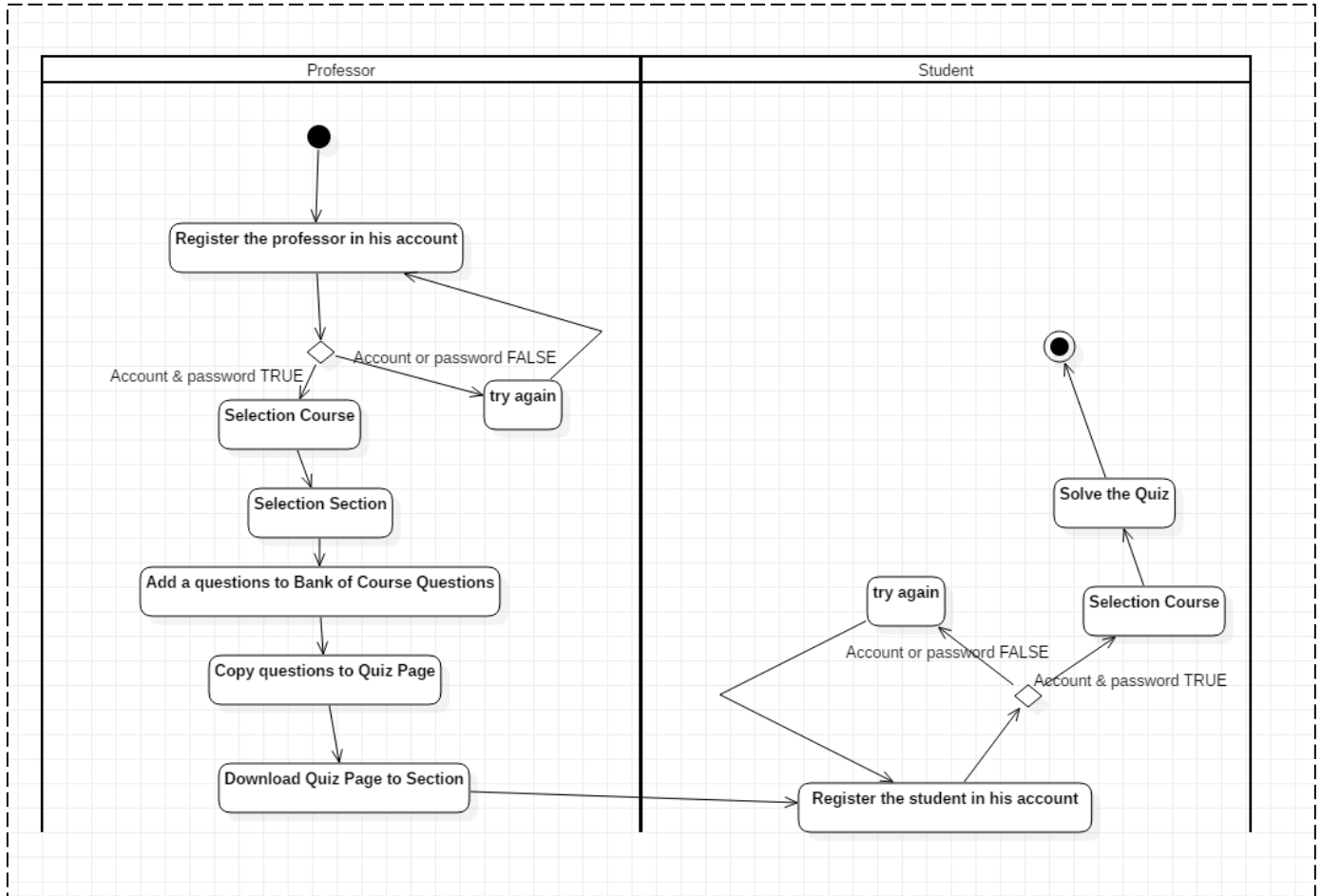
Dynamic Model => Sequence Diagram

Dynamic Model => State Chart Diagram

Dynamic Model => Activity Diagram

Summary

We believe that the project will help the student to absorb the lectures, and will help the professor to summarize the lectures and introduce students to the manner of questions, but for lack of time we will not be able to implement the project.