|  |
| --- |
| Software design |
| COURSE MANAGEMENT SYSTEM |
| Version 2.0 |
| Prepared by class SE1623, Group 5  HE150652 - Tống Sỹ Nhật  HE151130 - Đỗ Nhật Minh  HE151190 - Nguyễn Quang Việt  HE153023 - Trần Văn Thuận  HE153409 - Nguyễn Công Khanh  October 17, 2023 |

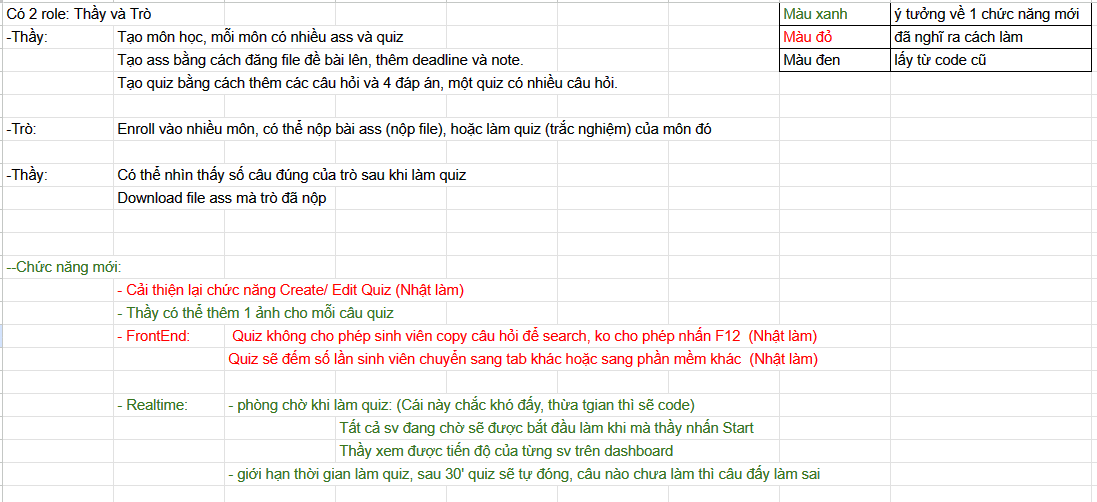


Table of Contents

[1. Document description 3](#_Toc148469711)

[2. SRS overview 3](#_Toc148469712)

[2.1. List of system users 3](#_Toc148469713)

[2.2. List of use case 3](#_Toc148469714)

[2.3. Use case diagram 3](#_Toc148469715)

[2.3.1. Preliminary use case diagram 3](#_Toc148469716)

[2.3.2. Use case detail diagrams 3](#_Toc148469717)

[2.4. Activity diagram of use case scenarios 3](#_Toc148469718)

[2.4.1. Activity diagram for use case “” 3](#_Toc148469719)

[3. Data model 3](#_Toc148469720)

[3.1. Entity Relationship Diagram 3](#_Toc148469721)

[3.2. Table details 3](#_Toc148469722)

[3.2.1. Table name: Courses 3](#_Toc148469723)

[4. Class diagram 3](#_Toc148469724)

[4.1. List of classes in the Layers 3](#_Toc148469725)

[4.2. Modeling the Class Behaviors – sequence diagrams 3](#_Toc148469726)

[4.2.1. Sequence diagram for use case “Do Quiz” 3](#_Toc148469727)

[5. User Interface Model Design 3](#_Toc148469728)

[5.1. User interface model design 3](#_Toc148469729)

[5.1.1. UI when teacher add new quiz 3](#_Toc148469730)

[5.1.2. UI when student do a quiz test 3](#_Toc148469731)

[5.1.3. UI when student see assignment 3](#_Toc148469732)

[5.2. Interface Flow Diagram 3](#_Toc148469733)

# 1. Document description

# 2. SRS overview

## 2.1. List of system users

1. Admin: Have all permission for CRUD user (teacher and student)

2. Teacher: Have permission for CRUD course, CRUD assignment, CRUD quiz, RD student in that course

3. Student: Have permission for enroll a course, submit assignments and do quizes

## 2.2. List of use case

Register

Login

CRUD User

CRUD Course

CRUD Assignment

CRUD Quiz

RD Student in a Course

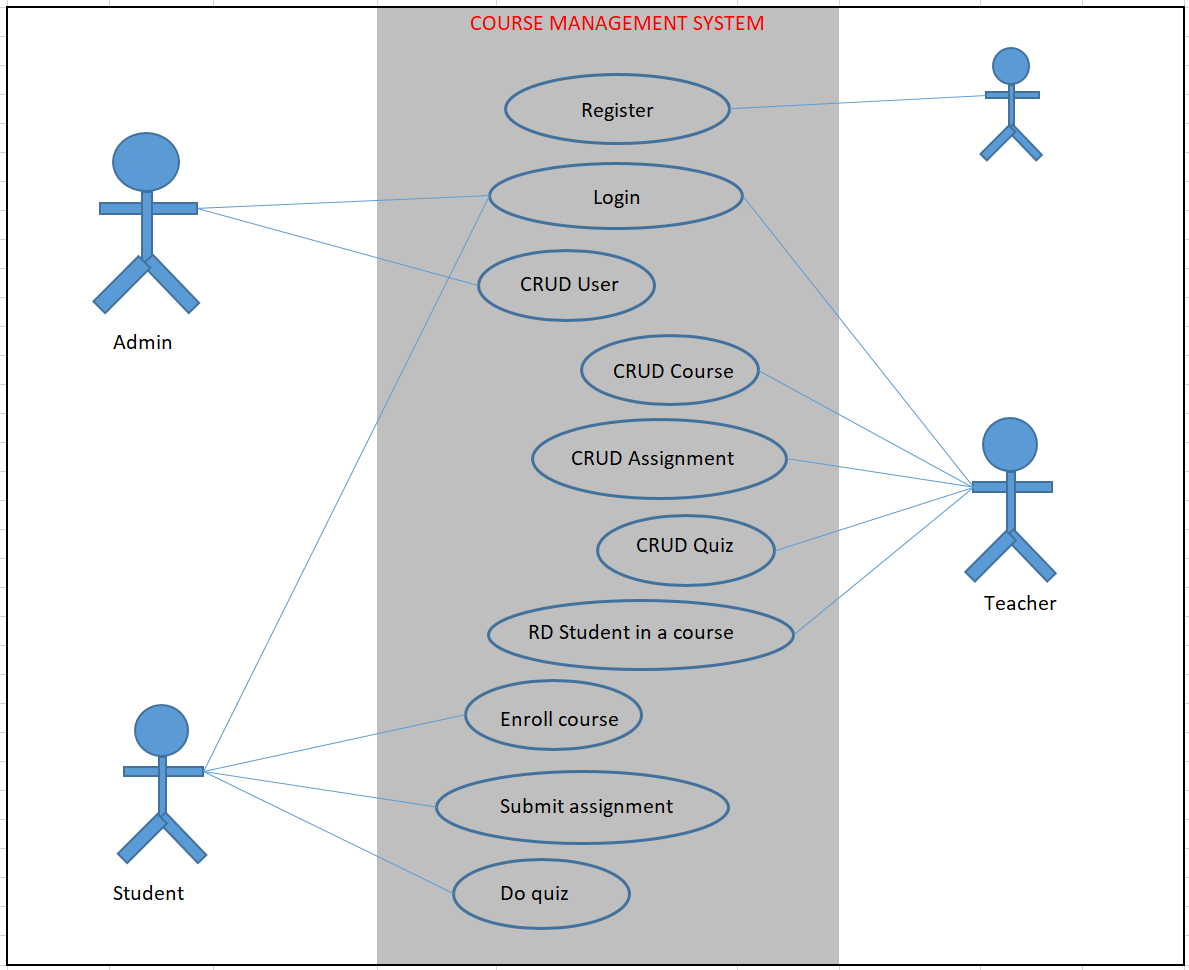
Enroll course

Submit assignment

Do quiz

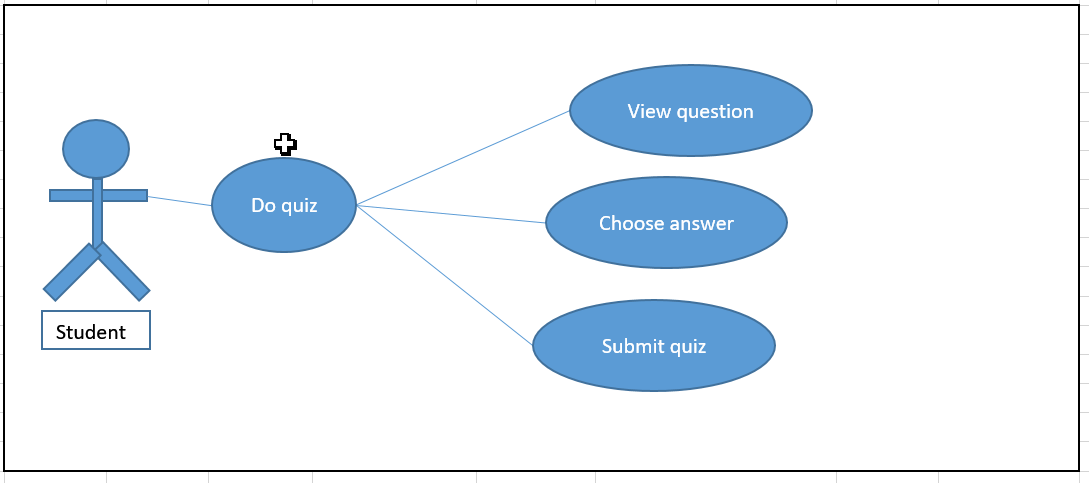
## 2.3. Use case diagram

### 2.3.1. Preliminary use case diagram

[](Use%20case%20diagram.xlsx)

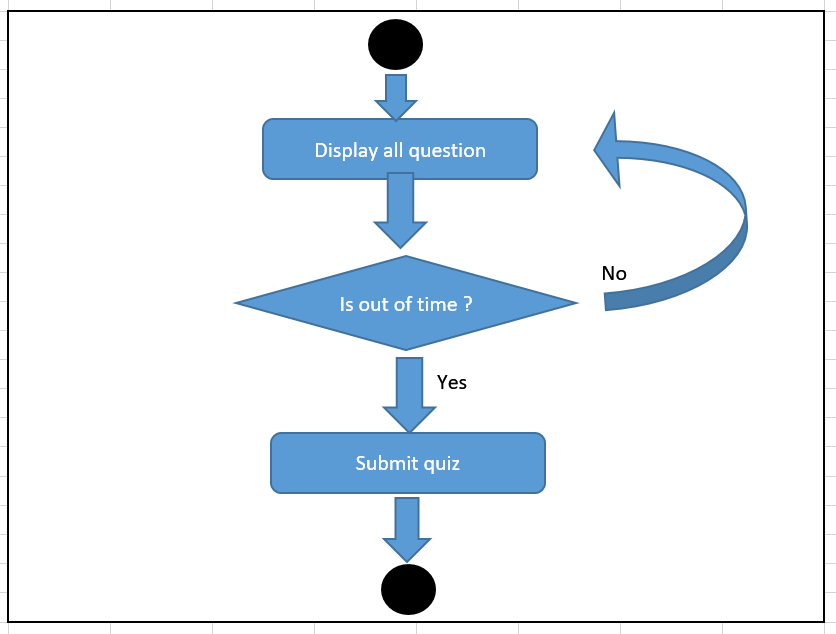
### 2.3.2. Use case detail diagrams

#### 2.3.2.1 Use case detail diagram for ”Do quiz”



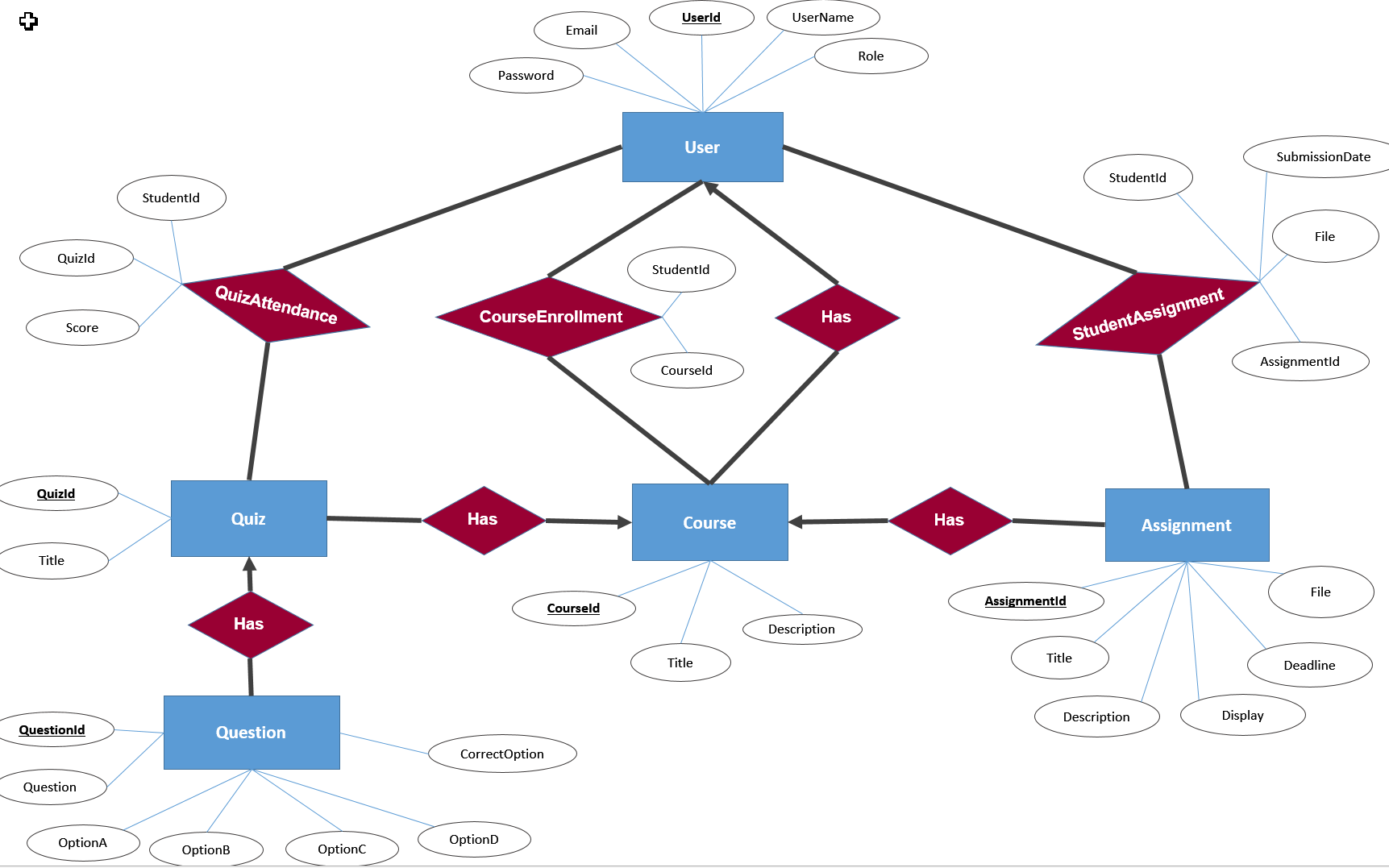
## 2.4. Activity diagram of use case scenarios

### 2.4.1. Activity diagram for use case “Do quiz”

[](Use%20case%20diagram.xlsx)

# 3. Data model

## 3.1. Entity Relationship Diagram



## 3.2. Table details

### 3.2.1. Table name: Courses

# 4. Class diagram

## 4.1. List of classes in the Layers

## 4.2. Modeling the Class Behaviors – sequence diagrams

### 4.2.1. Sequence diagram for use case “Do Quiz”

# 5. User Interface Model Design

## 5.1. User interface model design

### 5.1.1. UI when teacher add new quiz

### 5.1.2. UI when student do a quiz test

### 5.1.3. UI when student see assignment

## 5.2. Interface Flow Diagram