

**Diagrams for supporting Dissertation Thesis**

ITC Security Systems Engineering, Design and DevOps

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Table of contents

[1. Use case Diagram 3](#_Toc25800)

[2. Activity Diagram 4](#_Toc18060)

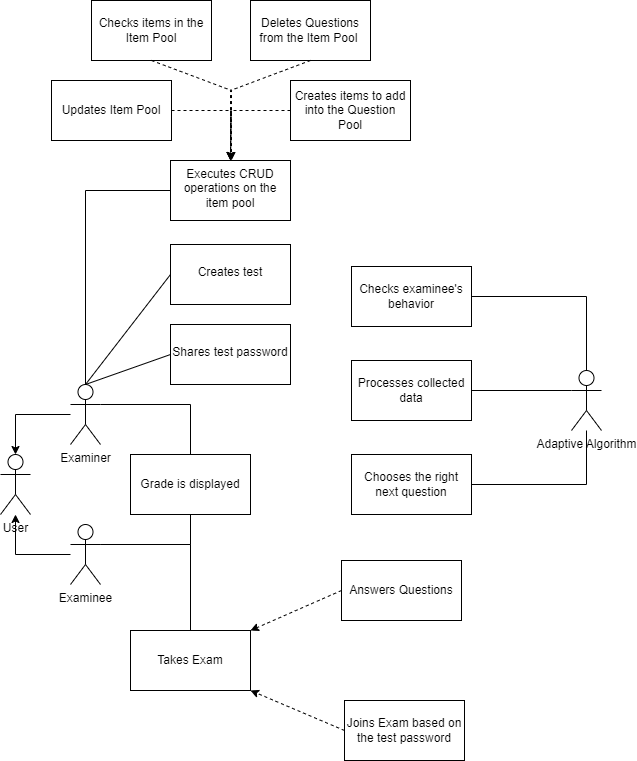
[2.1. Examiner adds item to Item Pool 4](#_Toc420)

[2.2. Examinee takes test 5](#_Toc1444)

[3. Class Diagram 6](#_Toc5759)

[4. Interaction Diagram 7](#_Toc5968)

# Use case Diagram



**AS A USER** I may take the role of an examiner or an examinee.

**AS A USER WITH EXAMINER AUTHORITY** I may check the grade of my **EXAMINEES.**

**AS A USER WITH EXAMINER AUTHORITY** I may share to the **EXAMINEES** the test password.

**AS A USER WITH EXAMINER AUTHORITY** I may perform CRUD operations on a question and add it to the Item Pool.

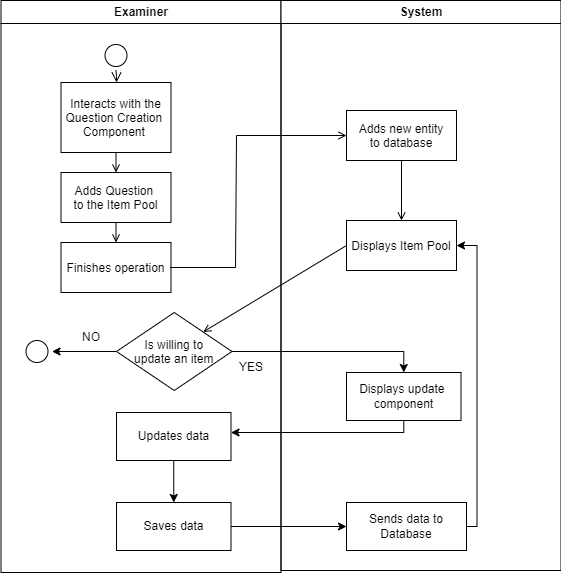
**AS A USER WITH EXAMINER AUTHORITY** I may bundle together multiple questions into an **EXAM.**

**AS A USER WITH EXAMINEE PRIVILEGES** I may check my grades.

**AS A USER WITH EXAMINEE PRIVILEGES** I may take an exam.

# Activity Diagram

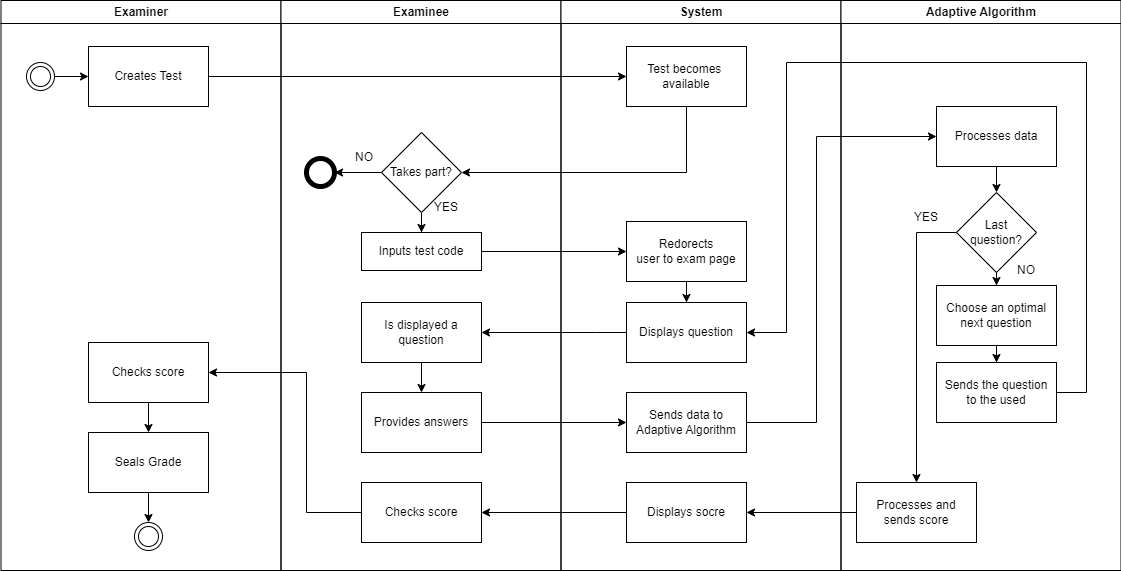
## 2.1. Examiner adds item to Item Pool



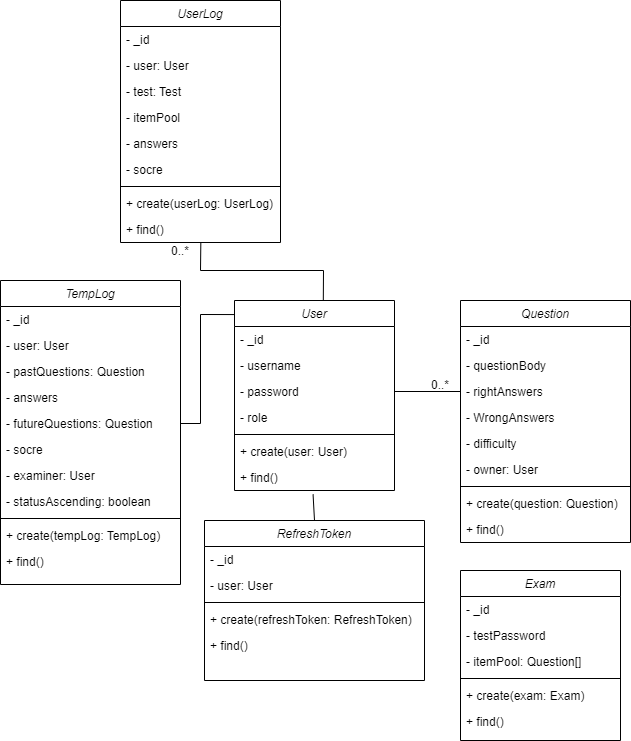
**AS AN EXAMINER** I may add questions to the question pool. **THE SYSTEM** is going to add the new entity to the database, then will display the whole ITEM POOL to me, the examiner.

**AS AN EXAMINER** I may choose to update a question. If I choose not to update a question, the process is finished. If I choose to update a question, **THEN** **THE SYSTEM** is going to display to me a component designed to update questions. After updating the data, and saving the question, **THE SYSTEM** will send the data to the database, while displaying the new ITEM POOL to me. **THEN** I may choose to update an item again.

## 2.2. Examinee takes test



# Class Diagram



# Interaction Diagram

