Software Engineering And Project Management

Online Examination System

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Online Examination System
Admin Control Panel
Responsive Design
Student Exam Panel
Generate Auto Result
Manage Admin Users
Manage Exam Timing

What is online examination system

- Online examination is conducting a test online to measure the knowledge of the participants on a given topic.
- In the olden days everybody had to gather in a classroom at the same time to take an exam.
- With online examination students can do the exam online, in their own time and with their own device, regardless where they life. You online need a browser and internet connection.

Purpose

- The purpose of this document is to explain various functionalities of the Online.
- Objective Examination System. It provides a detailed overview of the system and
- explains its uses from the perspective of various types of users involved. It is written for
- the use of clients, developers and all other parties involved in the development process.
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Objectives

- To reduce the job of checking the papers of each candidate and performing operations on his/her marks.
- To avoid papers and saving environment.
- Allows faculty to create their own tests with answer keys.
- Automatic grading system.
- Random generations of questions.

Functional requirements:

Definition:-

functional requirements defines function of system or its component .

There are three sub modules they are

1. Administrator module
2. Faculty module
3. Student module

Functional requirements:

Administrator requirements:.

1. Add/Delete/Update Courses.
2. Edit institute(school/College) information.
3. Edit profile i.e Personal and Login information.
4. Add/Delete a particular User.
5. View list of users active/inactive (faculties and students) registered on site.
6. View activities of particular faculty. (Profile , Courses and tests added).
7. View activities of particular student.(Profile ,Tests attempted and score

Functional requirements:

Faculty requirements:

It includes various operation they are:

1.Register on site.

2. Login on site after receiving notification email from administrator..

3. Edit profile i.e Personal and Login information.

4. View list of courses added by administrator.

5. Add/Delete/Update tests in that course.

6. Add/Delete/Update questions in that test.

7. View activities of particular student.(Profile ,Tests attempted and score).

Functional requirements:

- Students requirements:

1. Register on site.
2. Login on site after receiving notification email from administrator.
3. View Upcoming events added by administrator.
4. View institute(school/College) information.
5. View List Of Courses added by administrator.
6. View tests added in particular course by faculty.
7. Attempt test and get score.
8. view test review. (Answer explanation , correct/incorrect answers).
9.

Non-Functional requirements:

- Definition-

- the non-functional requirements is criteria to judge functions of system i.e. Non-functional requirements describe how the system works.

- The requirements are as follow:

1. Reliability and robust.
2. System performance.
3. System security.
4. Portability.
5. Ease of use etc.

Identifying the Stakeholders-

- Definition:-

- Stakeholder is one who is directly or indirectly interested in your system.
- Stakeholders may be internal and external .
- Internal stakeholders are are directly involved in system.
- External stakeholder are indirectly involved in system.

Stakeholders-

They are:

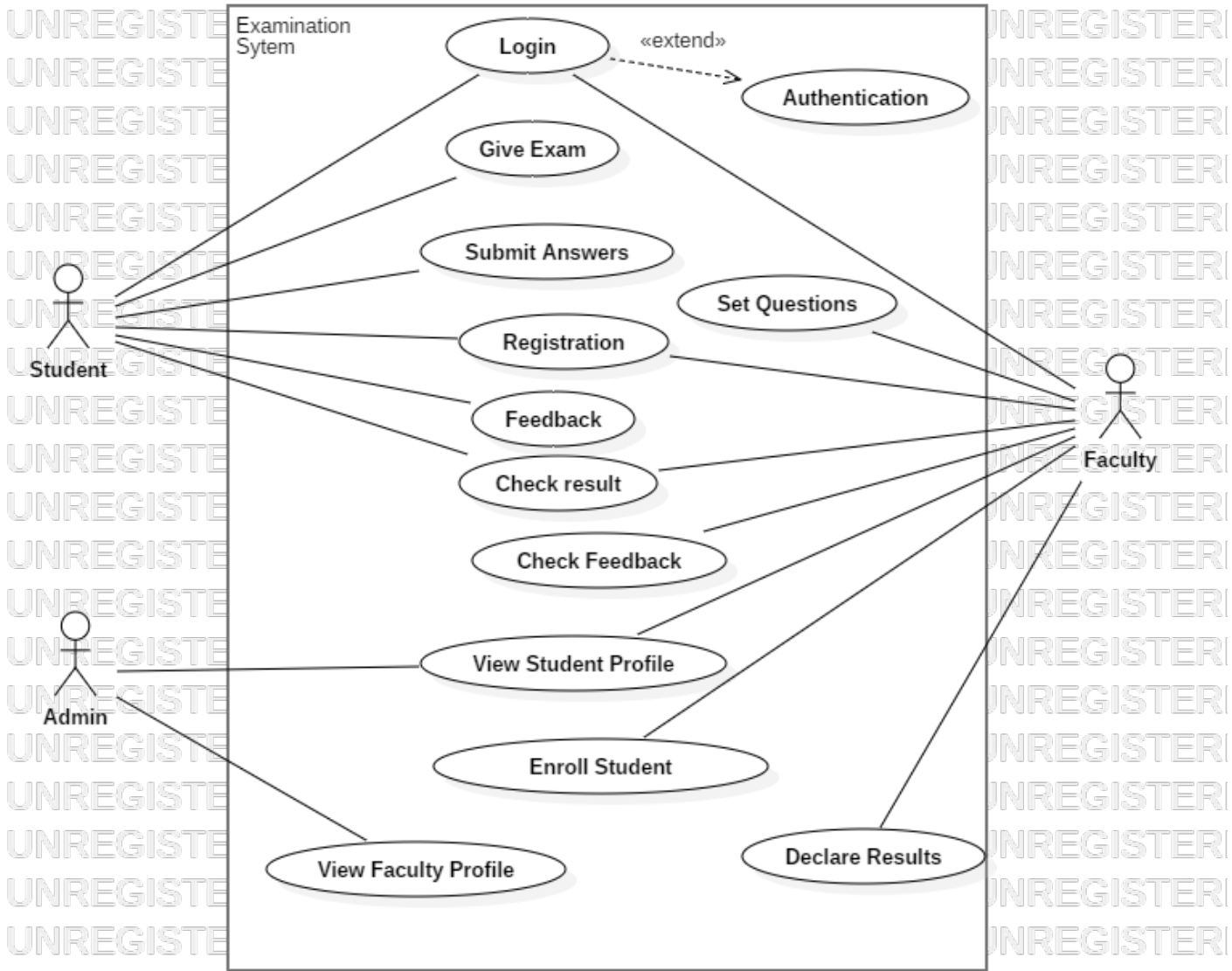
1. Faculty
2. Student
3. Administrator
4. Developer
5. Institutes
6. university
7. Project developer team.
8.

ACTORS IN ONLINE EXAMINATION SYSTEM

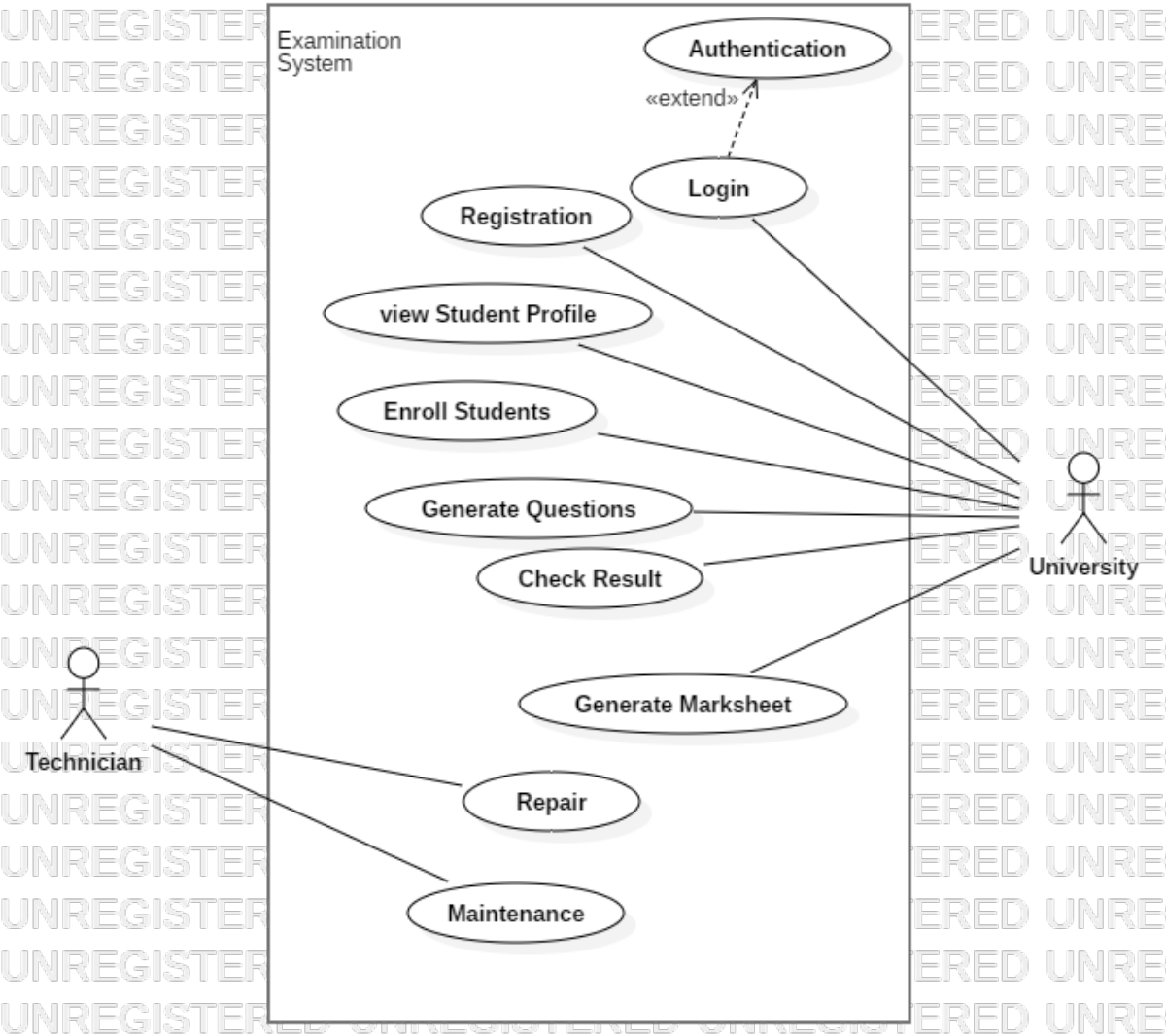
Actors in Online Examniation System are:

1. Student
2. Faculty
3. Administrator
4. University
5. College and
6. Technician etc.

USE CASE DIAGRAM



USE CASE DIAGRAM



UNREGISTERED

Elaboration of use cases

- **Name**:Login
- **Participating actor**: Student,Faculty
- **Entry condition**:student,Faculty will enter login-id and password.
- **Exit condition**:login will be successfully done.
- **Event flow**:a)Enter login-id and password.
- b)check their authentication from database.
- c)if correct authentication then login will be successfully done.

Elaboration of use cases

- **Name**:Give Exam
- **Participating actor**: Student
- **Entry condition**:student should be able to login correctly and give exam.
- **Exit condition**:Exam will be submitted successfully.
- **Event flow**:a)Enter login-id and password.
- b)check their authentication from database.
- c)if correct authentication then login will be successfully done.
- d)Enter Exam-id and start the Exam.
- e)Choose the options and submit the paper.

Elaboration of use cases

- **Name**:Registration
- **Participating actor**: Student,Faculty
- **Entry condition**:student,Faculty will click Create New Account.
- **Exit condition**:user will enter successful information and returned to logged in page.
- **Event flow**:a)Click Create new account.
- b)Enter your details correctly.
- c)Check your details for confirmation and submit.
- d)details will be stored into database.
- e)successfully logged in as new user.

Elaboration of use cases

- **Name**:Check Result
- **Participating actor**: Student,Faculty
- **Entry condition**:student,Faculty will enter login-id and password and student must give a test.
- **Exit condition**:Check result .
- **Event flow**:a)Enter login-id and password.
- b)Click result option.
- c)Database will check if any test is given or not.
- d)if Yes,then result will be displayed.
- e)if No,then it will display no test appeared.

Elaboration of use cases

- **Name**:Set Questions.
- **Participating actor**: Faculty
- **Entry condition**:Faculty will enter login-id and password and click on set questions.
- **Exit condition**:Question paper will be generated.
- **Event flow**:a)Enter login-id and password.
- b)click on set Questions and select type(MCQ,THEORY).
- c)Apply Timing for Question paper.
- d)Save Questions and generate Question paper.

Elaboration of use cases

- **Name**: Give Feedback
- **Participating actor**: Student
- **Entry condition**:student will enter login-id and password after exam submission they will click to give feedback.
- **Exit condition**:feedback will be submitted successfully.
- **Event flow**:a)Enter login-id and password.
- b)check their authentication from database.
- c)Give Exam and Submit Paper.
- d)click on Feedback if u want to give it.
- e)submit the feedback .
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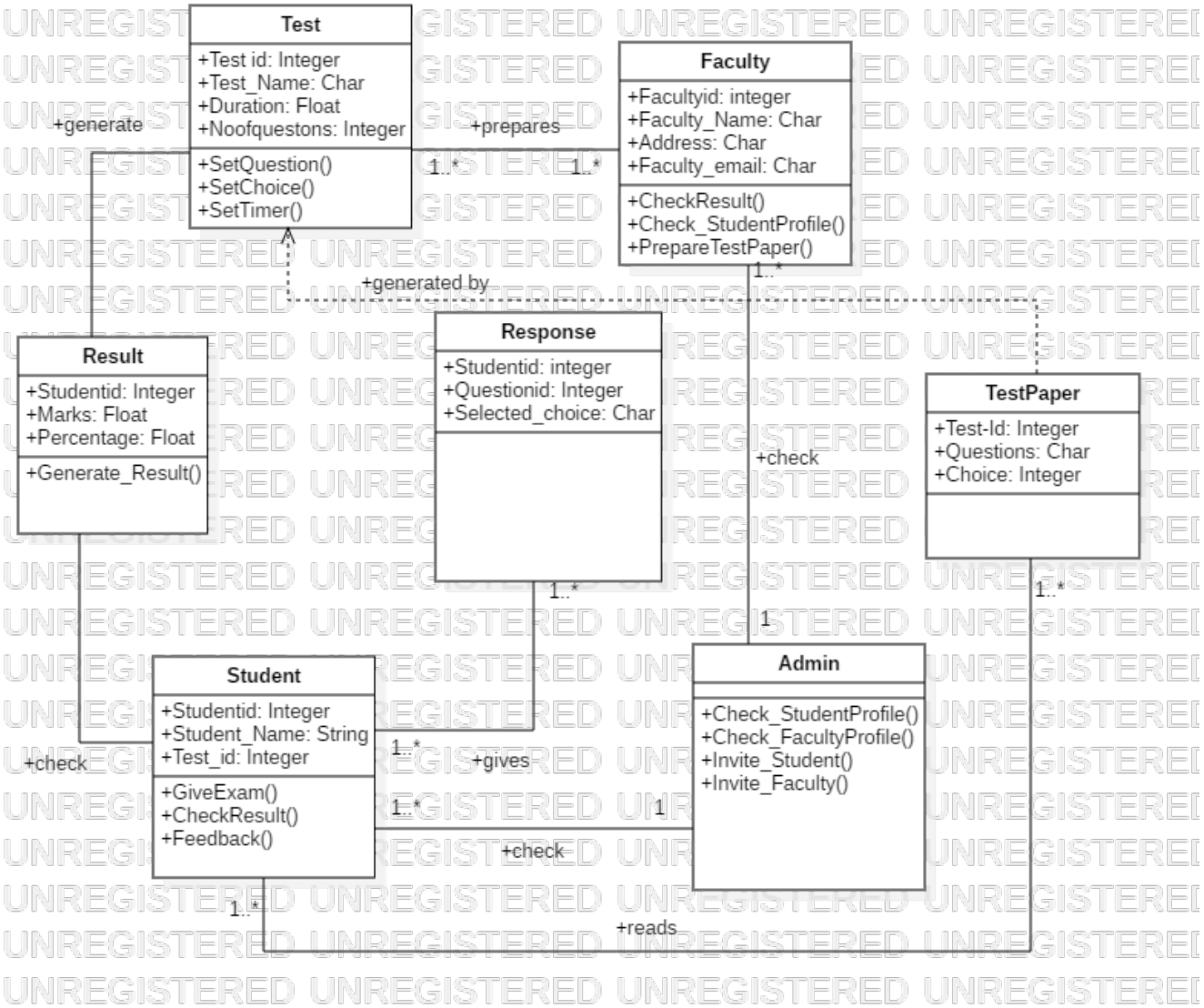
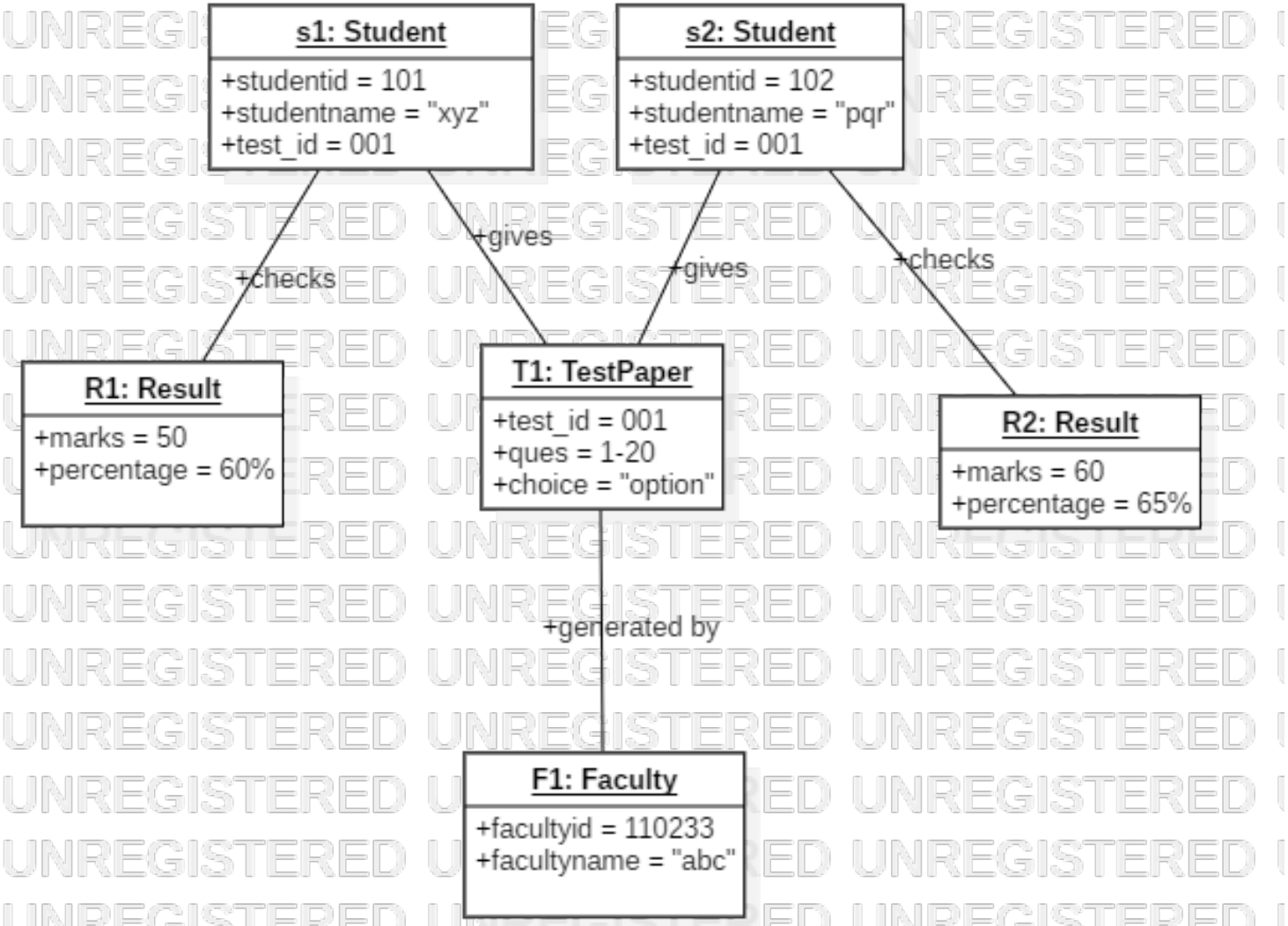
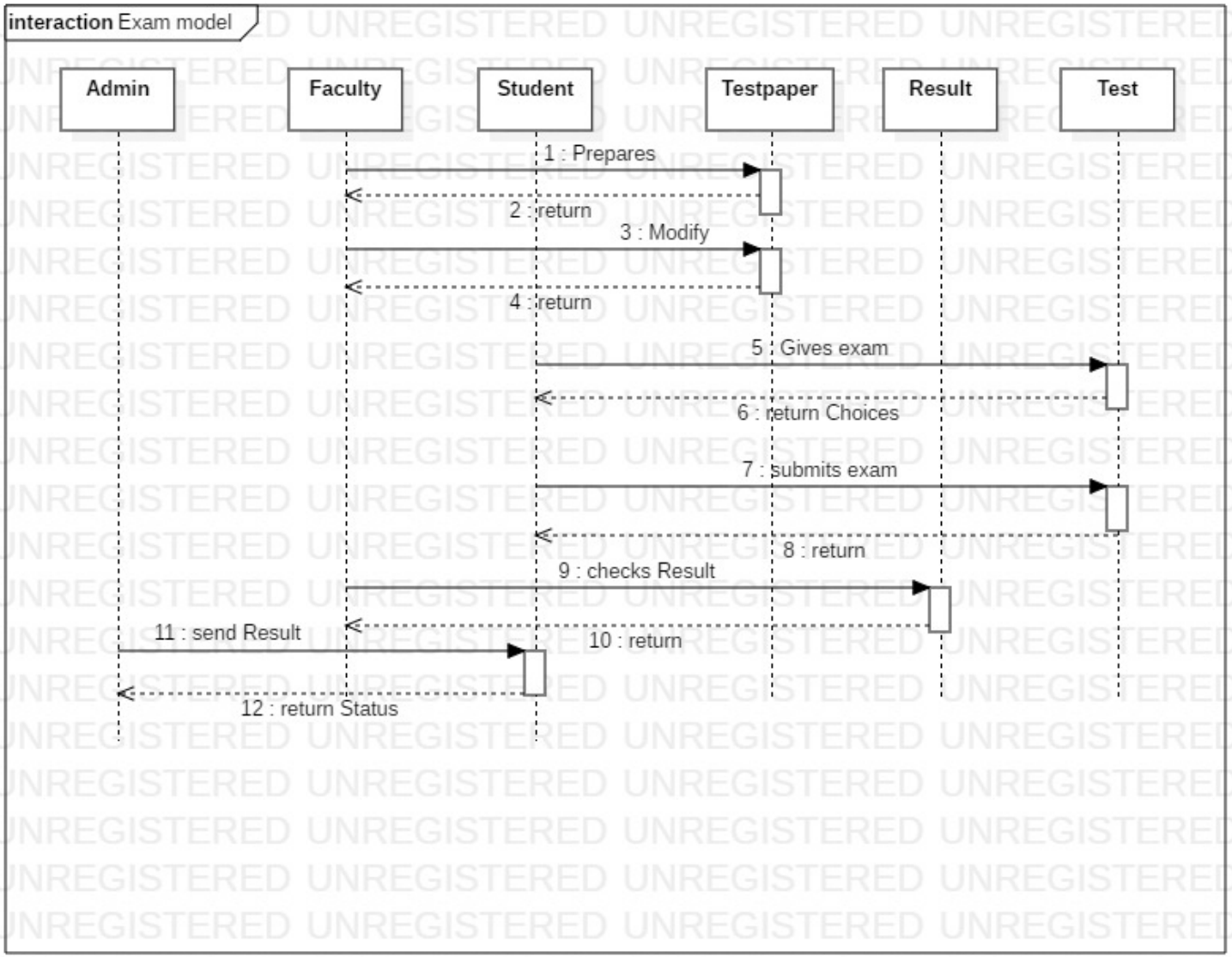
CLASS DIAGRAM



OBJECT DIAGRAM



Sequence Diagram



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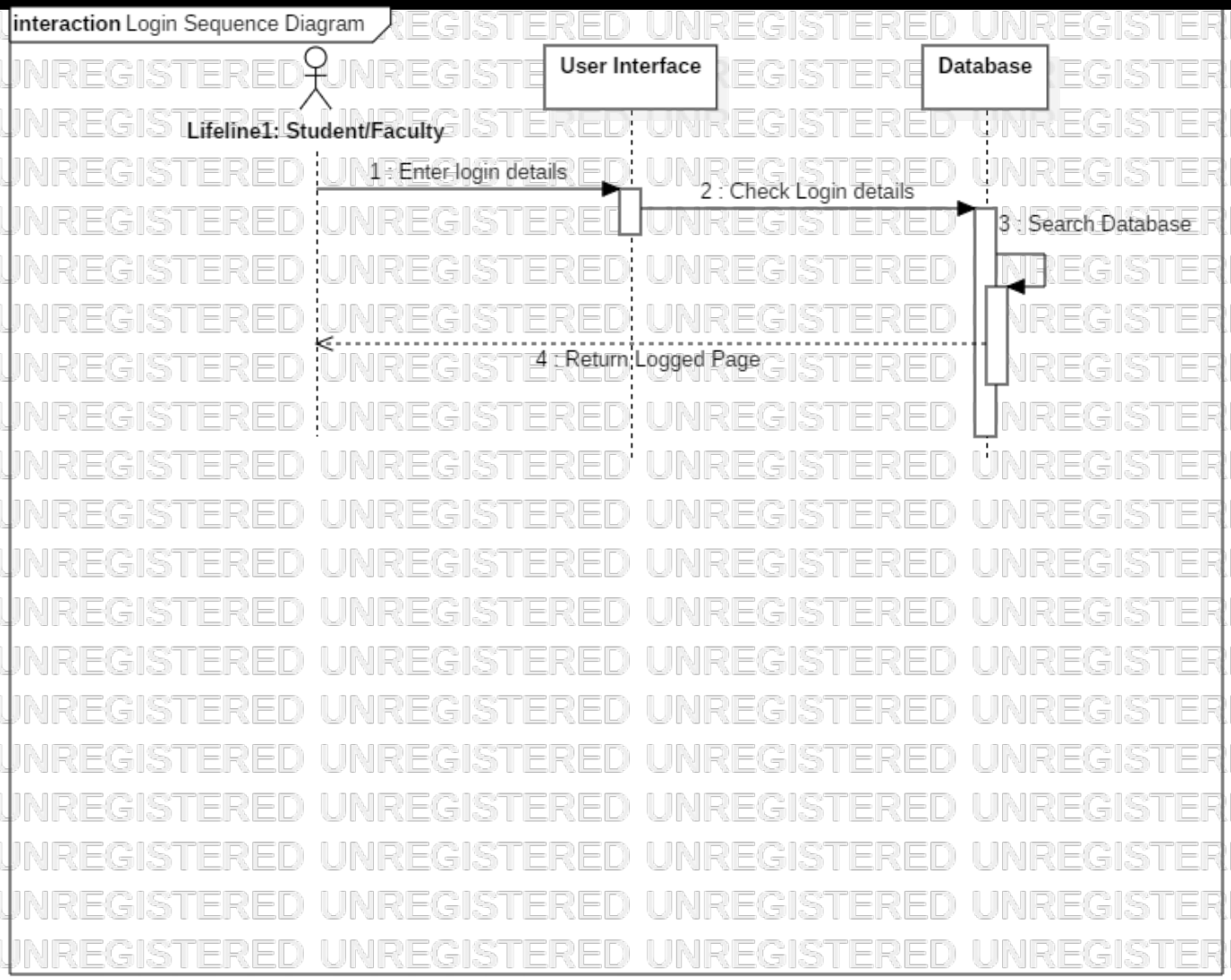

UNREGISTERED

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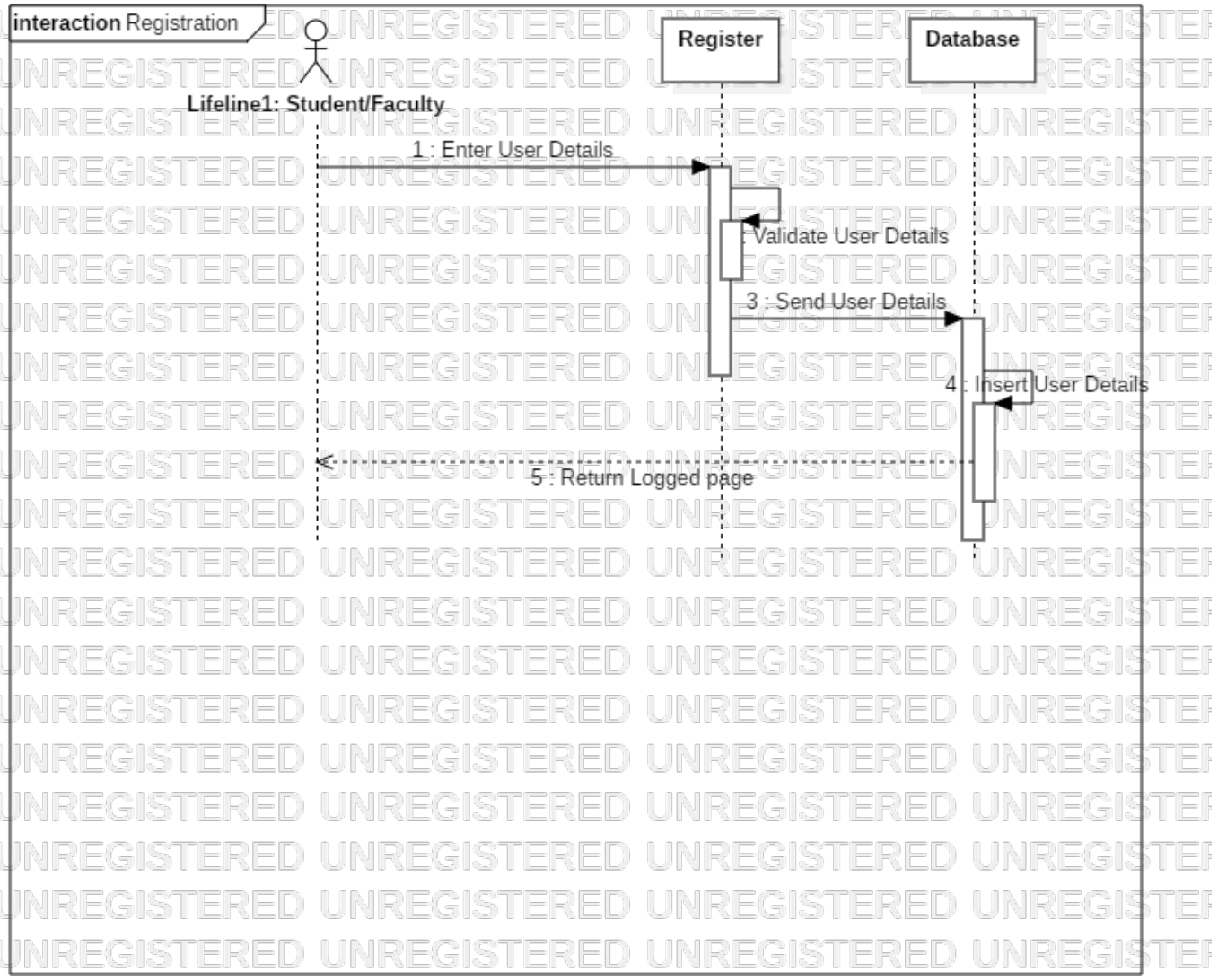

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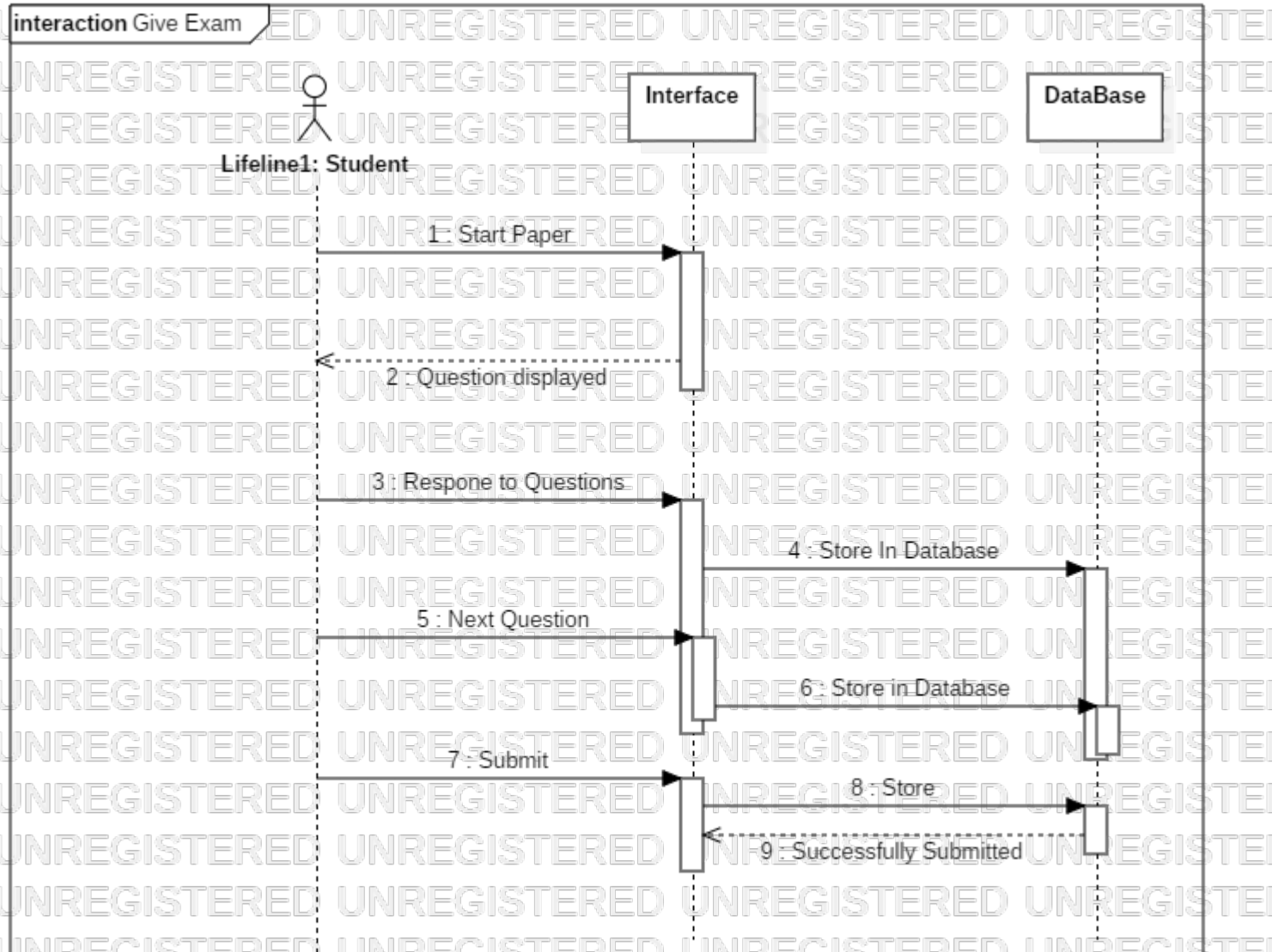
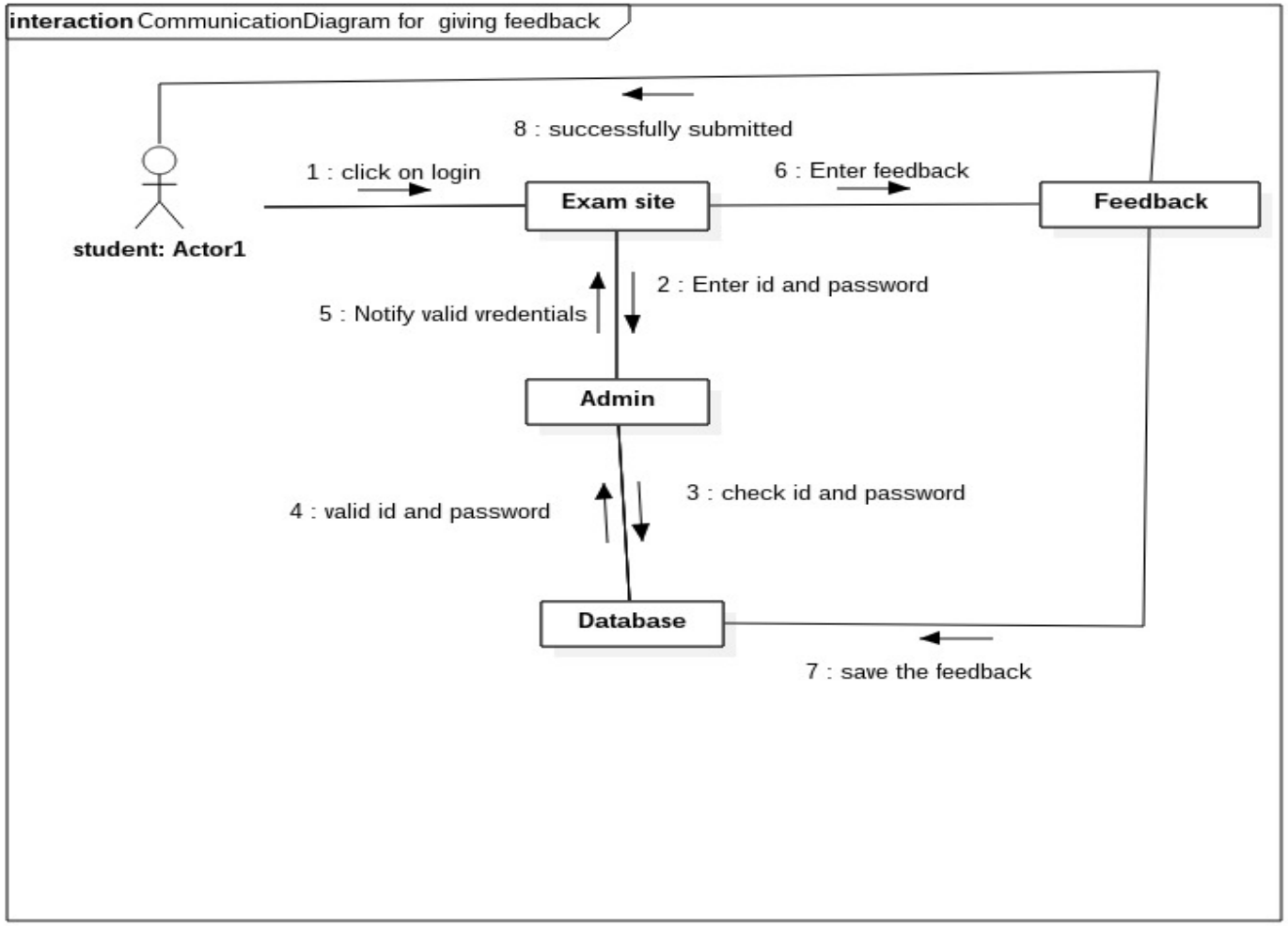
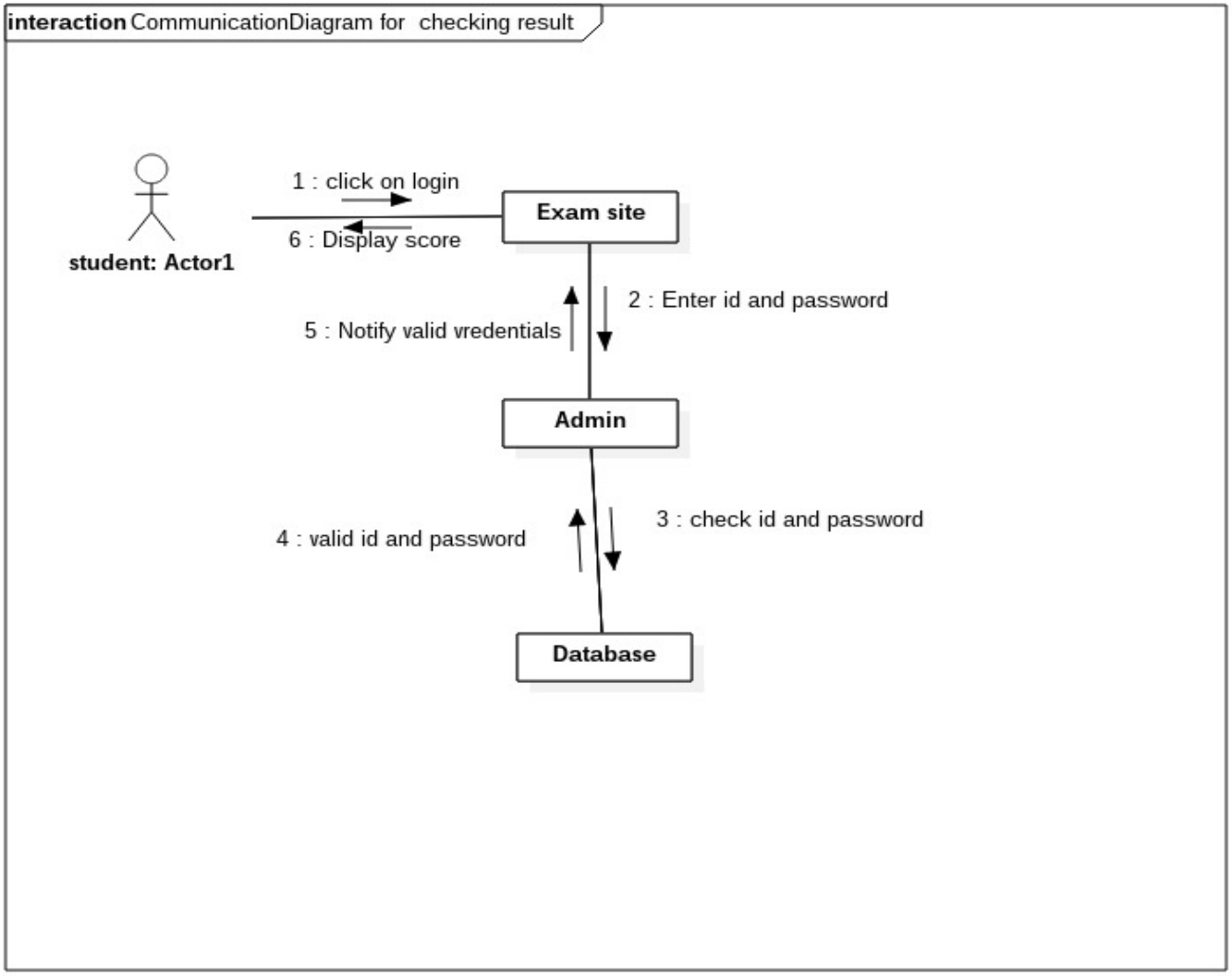


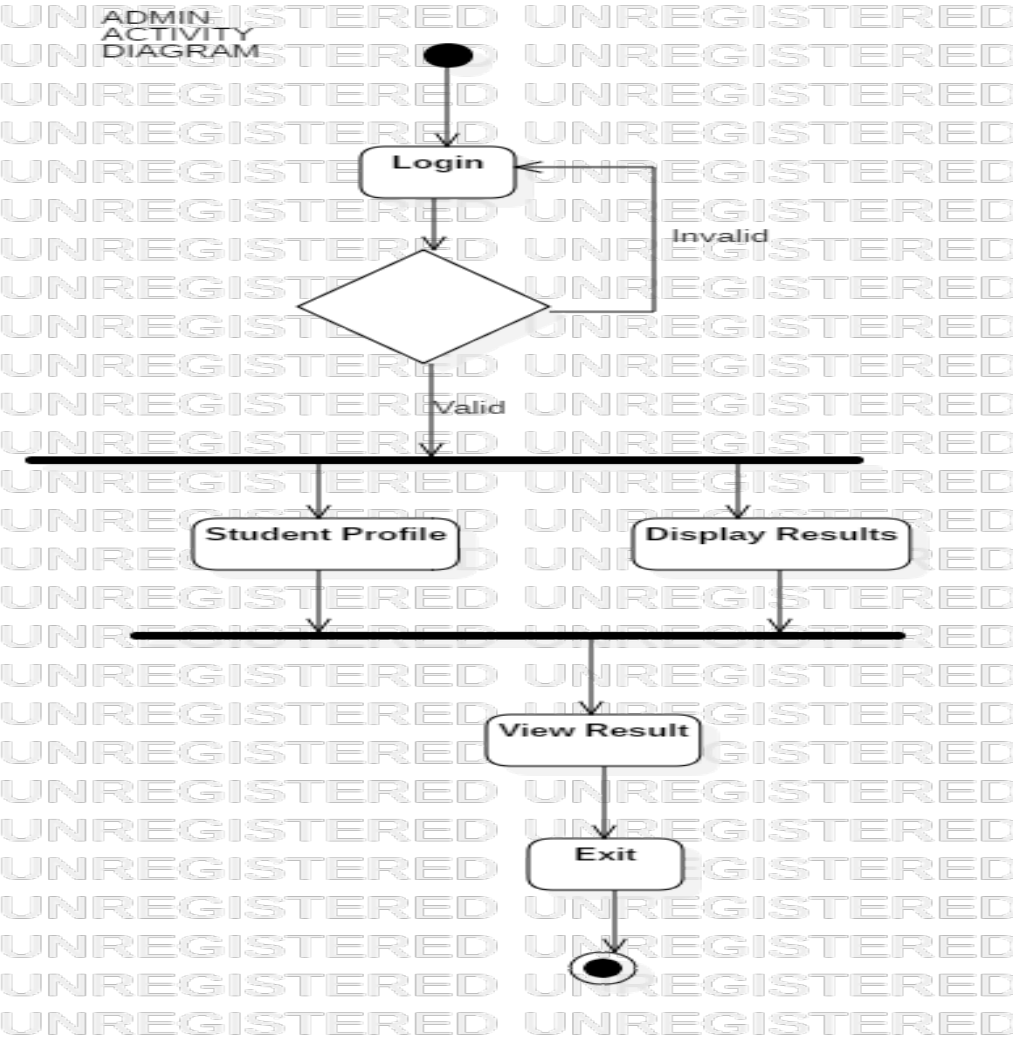
Communication Diagram



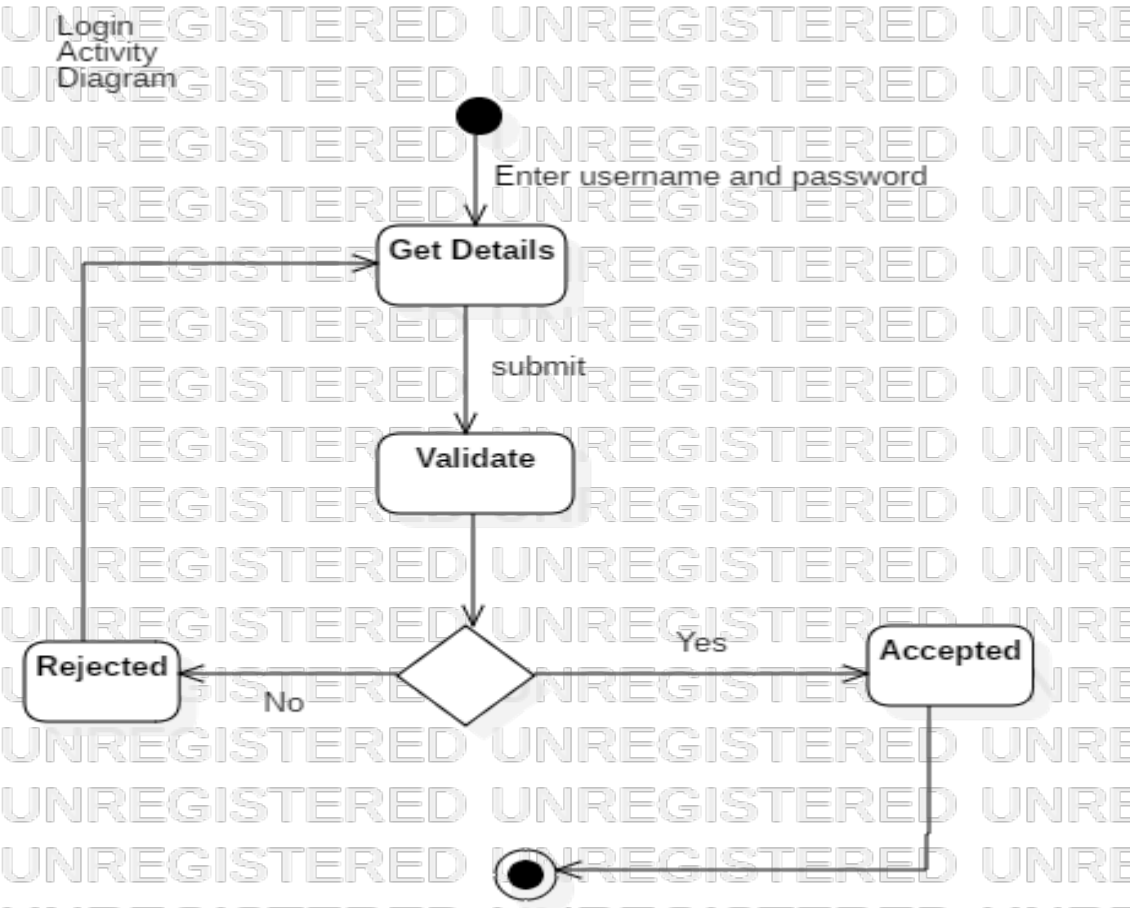
Communication Diagram



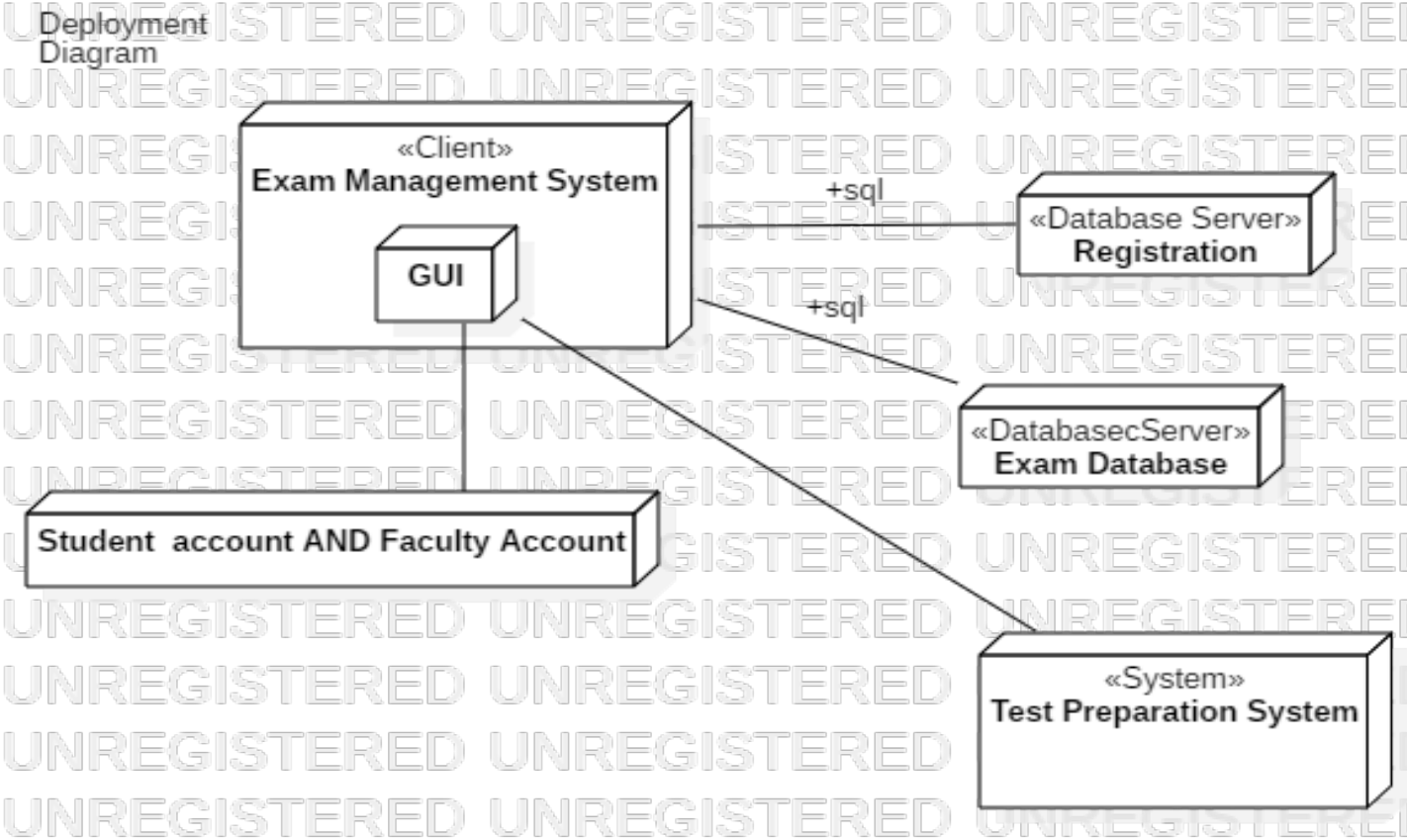
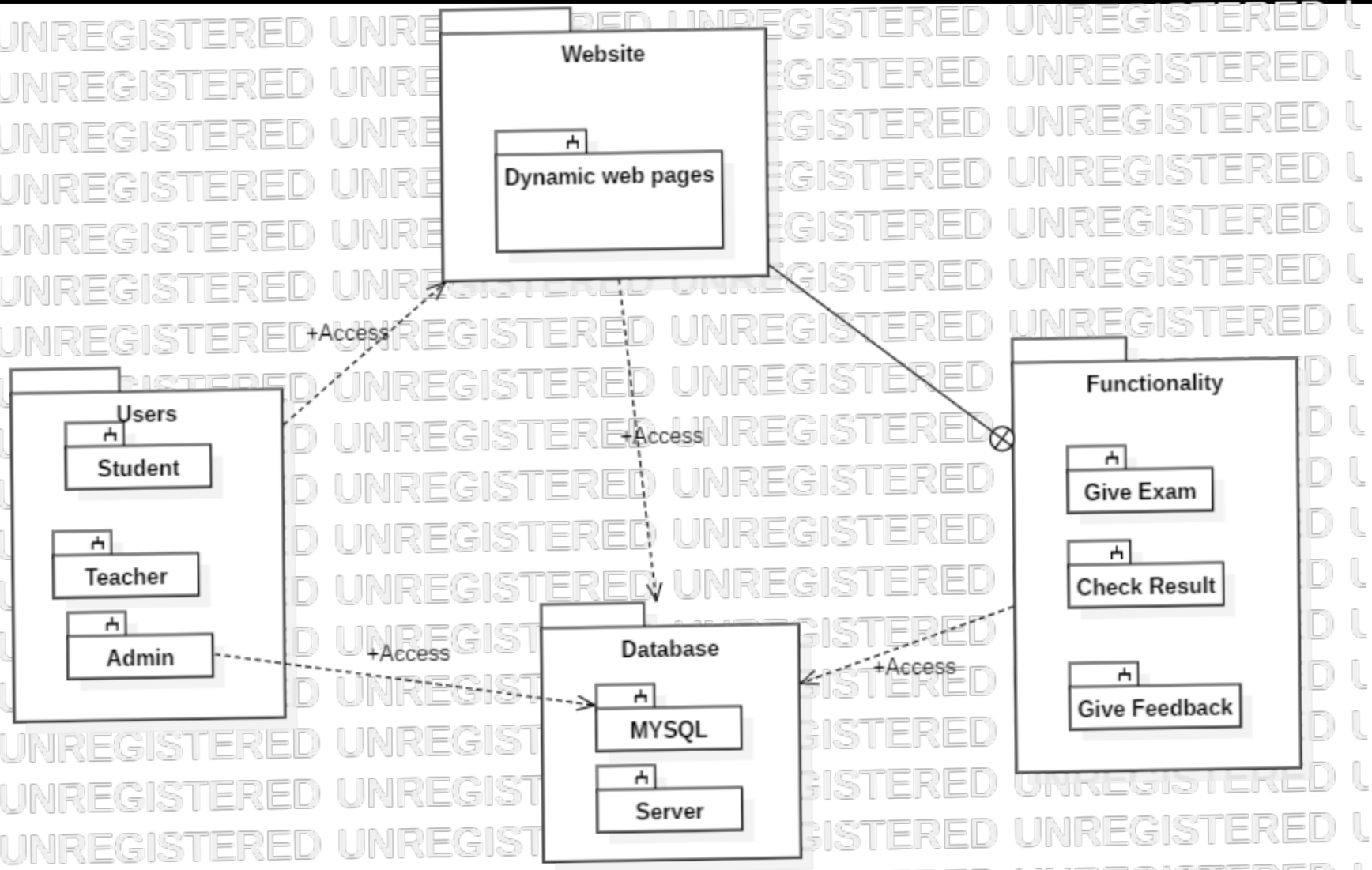
Activity Diagram



Activity Diagram



Deployment Diagram



Package Diagram