

WorkSheet:- 2.3

Student Name: Vivek Kumar

Branch: BE-CSE (LEET)

Semester: 4th Sem

Subject Name: SE Lab

UID: 21BCS8129

Section/Group: 20BCS-809/A

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AIM: Design a Sequence and collaboration diagram of an Online Exam System?

Objective: A Sequence diagram is an interaction diagram that details about the operation that is carried out. The sequence diagram captures the interaction between the objects in the context of collaboration. Sequence diagrams are time focused and they show the order of the interaction visually by using the vertical axis of the diagram to represent time.

Collaboration Diagram represents the interaction of the objects to perform the behavior of a particular use case or a part of use case. The designers use the Sequence diagram and Collaboration Diagrams to define and clarify the roles of the objects that perform a particular flow of events of a use case.

Requirement Analysis

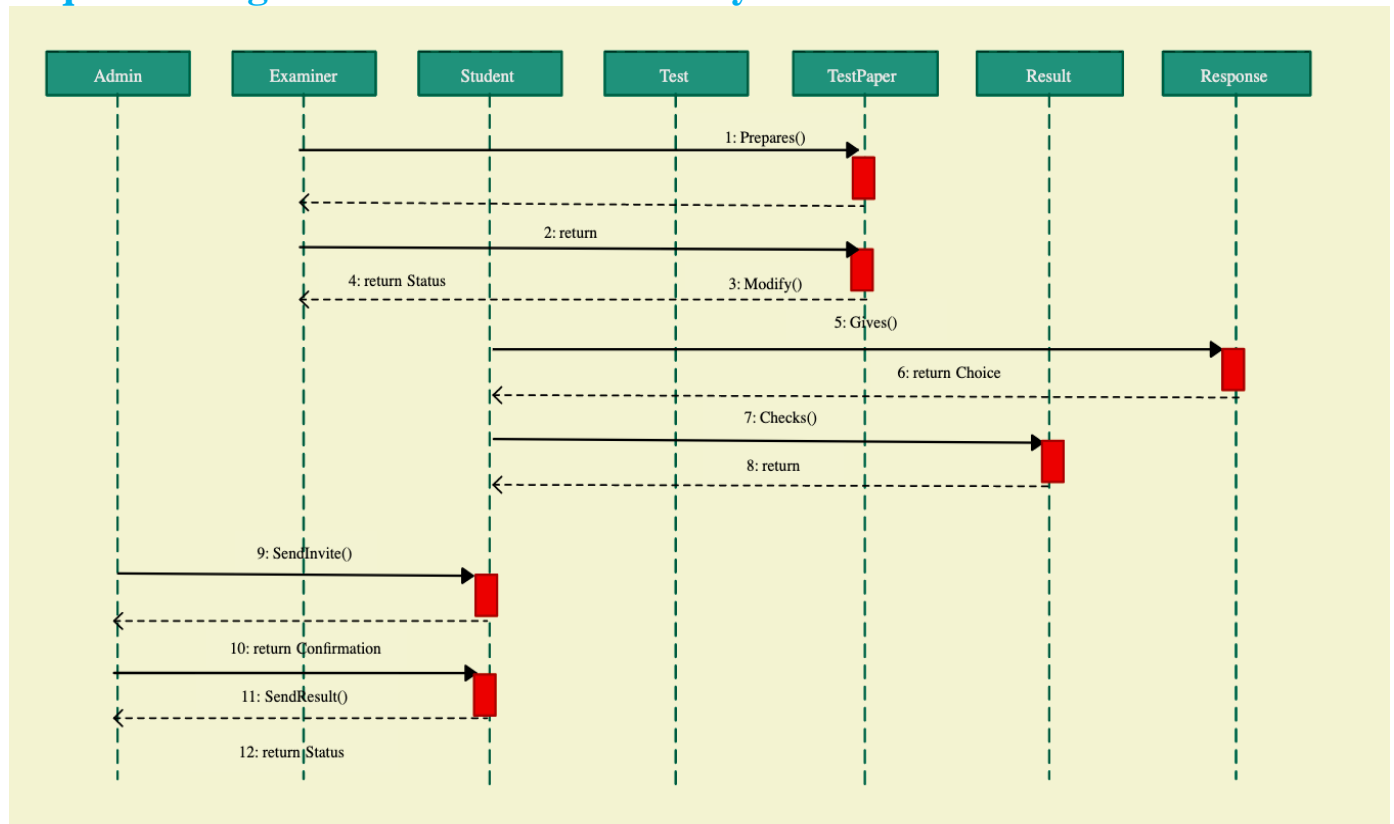
Software Requirement

- Windows10 / Mac-OS
- Apps.diagrams.net
- Google chrome

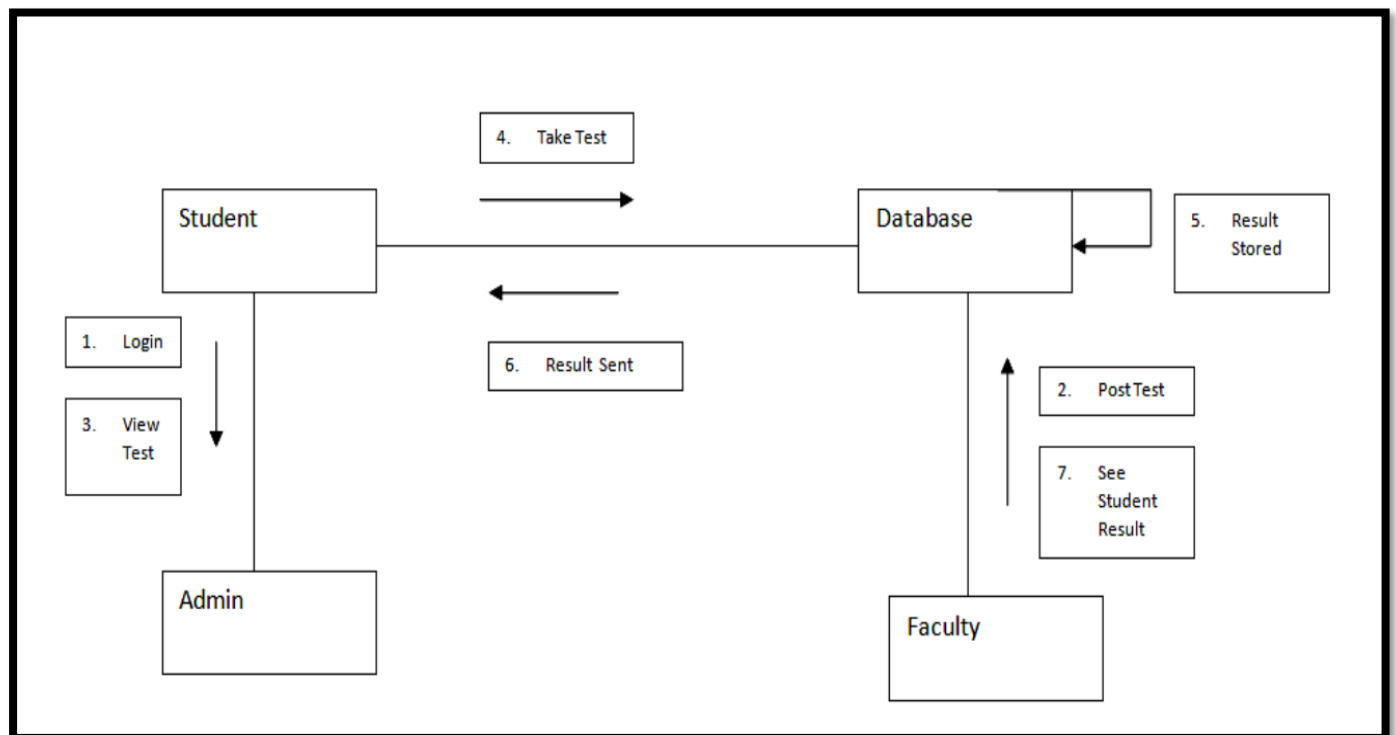
Hardware requirement

- Computer / laptop
- Power supply

Sequence diagram of an Online Exam System



Collaboration diagram of an Online Exam System



Online Exam System is a system that is very widely being used in assessing and analyzing the educational abilities of students across the globe. This system basically has four basic elements: Student, Database, Administrator and Faculty in-charge.

Above represents the complete system inform of collaboration diagram. The faculty post the test paper in to the database, then the student logs in the system with his specific username and password. On successful login a student can view the test available for him. Next, he takes one of the tests for which he is eligible.

Once the test is successfully completed the result is being stored in the database and the same is send to the student. The system also gives an option to the faculty that he can view the score of the student and analyses the structure of the paper and competency level of the student.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			