



Assignment No.: 03.

Title :- Draw one or more use case diagrams for capturing & representing requirements of the system. Use case diagrams must include template showing description and steps of the use case for various scenarios.

Theory :- Guideline To Find use cases.

use cases are defined to satisfy the goals of the primary actor. Hence, the basic procedure is:

Step 1 :- Choose the System boundary. It is just a small application the HW & application as a unit that plus a person using it or an entire organization.

Step 2 :- Identify the primary actors those that have goals fulfilled through using services of the system.

The following questions help Identify others that may be missed.

Who Starts and stops the system.

Who does system administration.

Who does user and security management.

Is "time" an actor because the system does something in response to time event?

Is there a monitoring process that restarts the system if it fails?

Who evaluates system activity or performance?



How are software updates handled? push or pull update.

Who evaluates lags? Are they remotely retrieved?

In addition to human primary actors are there any

who gets notified where these are.

Who starts and stops the System?

who does system administration.

External SW or robotic system errors or failures.
that call upon services of the system.

Step 3: Identify the goals for each primary actors. For eg use this table to prepare actor goal list.

Actor	Goal
Participant	Play Level 1 Play Level 2 Submit answer.
.....

Step 4: Define Use Cases

In general, define one use case for each use goal. Name the use case similar to the user goal. start the name of use cases with a verb.

UML Notation

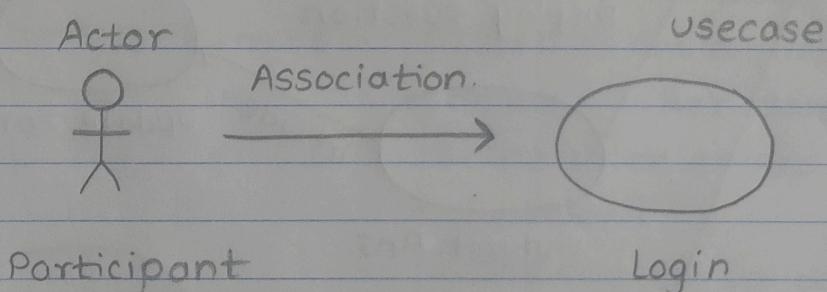
Actor := An actor as mentioned is a user of the system and is depicted using a stick figure. The role of the user is written beneath the icon. Actor are not limited to humans.

Use cases :=

A use case is functionality provided by the system, typically described as verb + object. Use cases are depicted with an ellipse.

Association :=

Associations are used to link Actors with use cases & Indicate that an Actor participates in the use cases in some form.



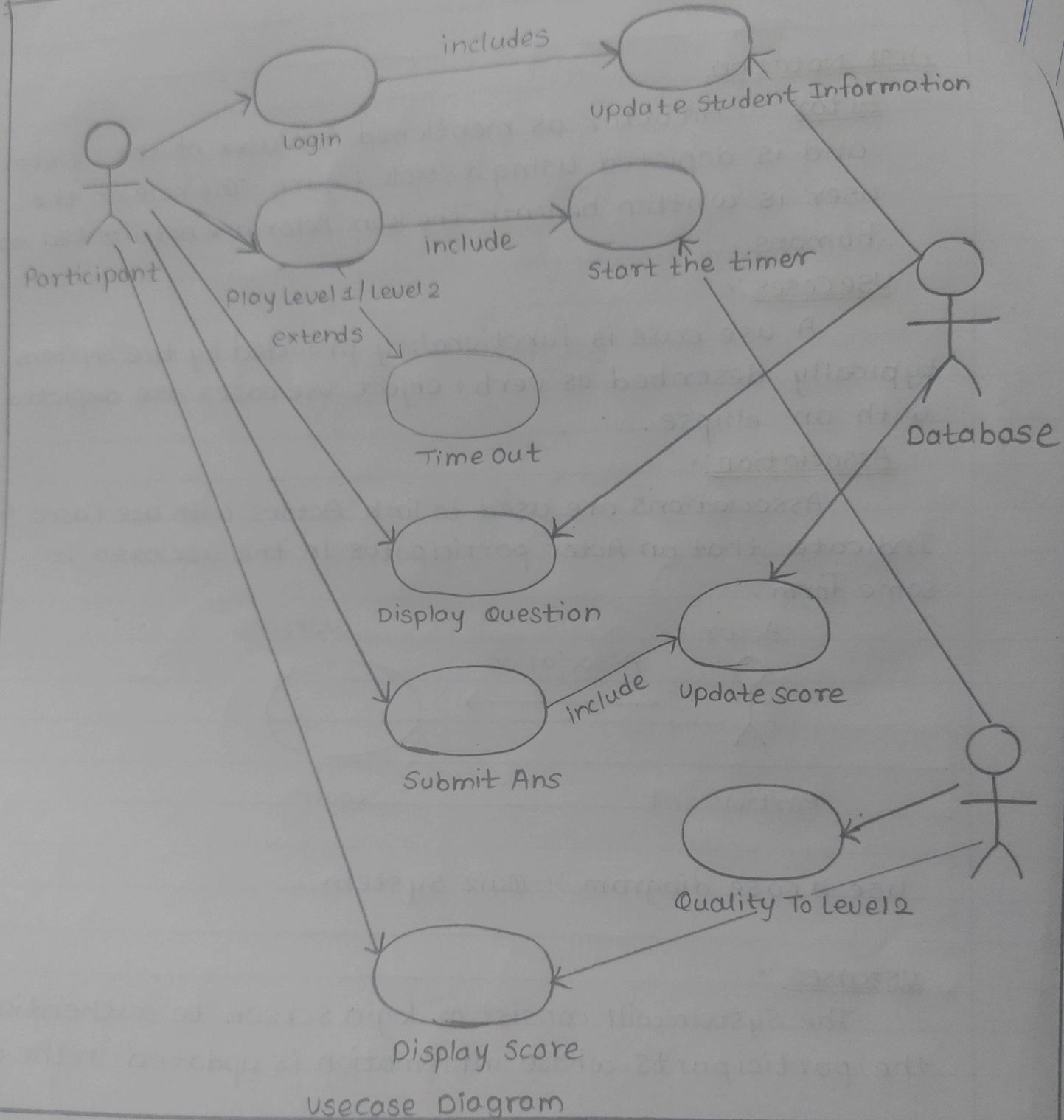
use case diagram := Quiz System.

usecases :=

The system will consist of login screen to authenticate the participants whose information is updated in the database.

Functional Requirements :-

use cases : Login Brief.



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Description:-

The usecase describer how a participant into the Quiz system.

use case section	comment
Use Case Name	Login
Scope	Quiz System
Level	"User-goal".
Primary Key	Participant.
Stakeholder & Interest risk	Participant logs into the quiz system.
Preconditions	None.
Success Guanteel Post condition.	If the usecase was successfull the actor is now logged into the system If not ,the system state is unchanged.
Main Success Scenario	1. The system requests the actor to enter his/her name & password. 2. The actor enters his/her name & Password. 3. The system validates the entered name & password & logs the actor into the system. 3a. If the pwd is strong ,user is allowed for a attempts .
Extension	Timer
Special Requirements	Could be nearly continuous .
Frequency occurrence	If connection is terminated before form submitted you can make system not to get updated by others .
Miscellaneous	

Conclusion:- In this , we studied the usecase diagram for capturing and representing requirements of the system comprising the usecase diagrams and use case scenarios.