

Assignment

CSE1005 software Engineering

slot: C2+TC2

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VIT AP Online Examination system

What is UML-Diagrams?

An UML-Diagram is a diagram based on the UML (Unified Modeling Languages) with the purpose of visually representing a system along with its main actors, roles, actions, artifacts, classes in order to better understand, alter, maintain or document information about the system.

Types of UML - Diagrams:

- class diagram
- sequence diagram
- Use-case diagram
- Activity diagram
- ER - diagram
- DFD diagram

UML Diagrams of online Examination system

1) class diagram:

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The class diagram for online examination system shows the structures of information or data that will be handled in the system.

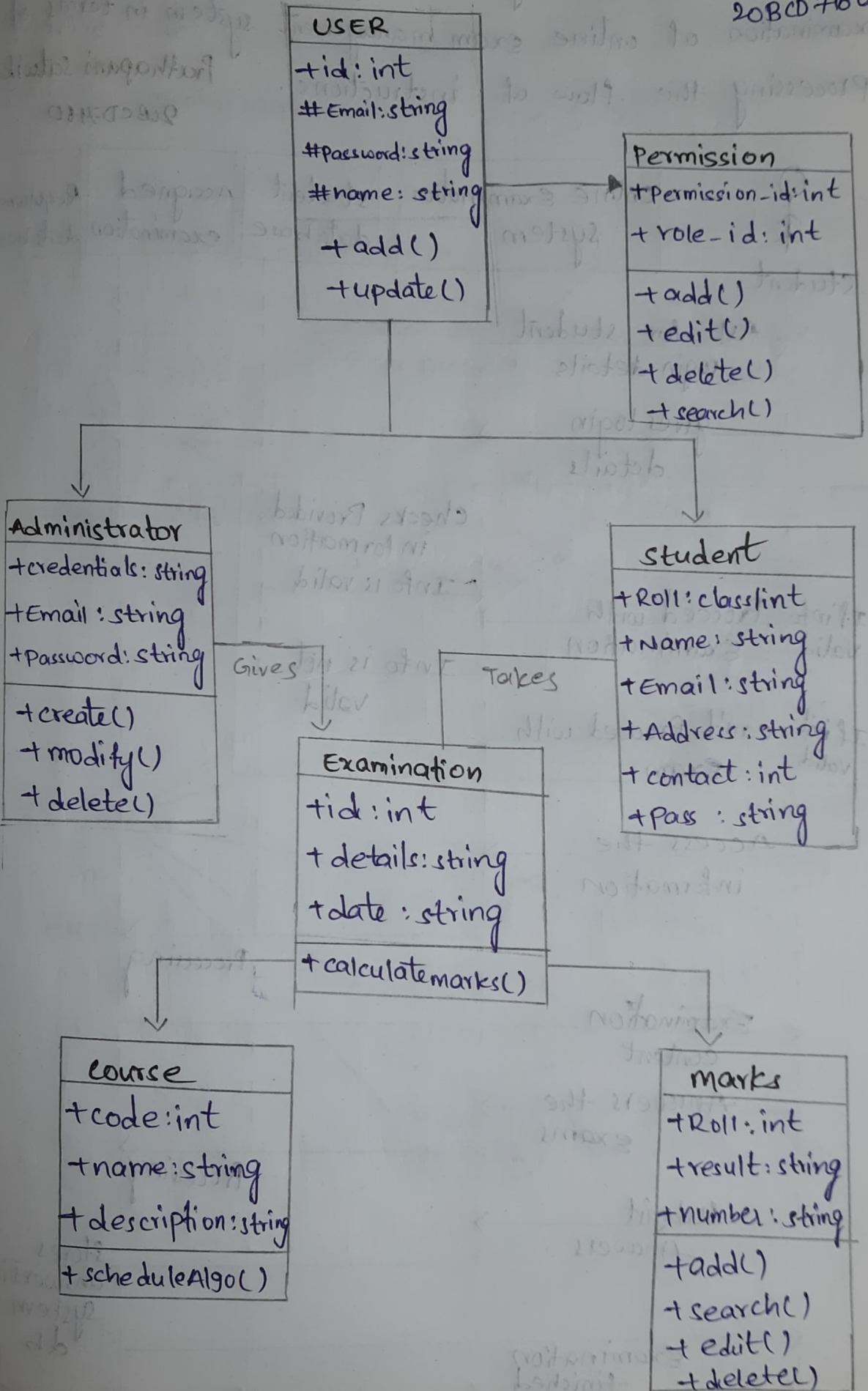
This class diagram was illustrated with 3 partitions

- Partition 1 → contains the class name
- Partition 2 → contains the attributes in class
- Partition 3 → contains the method of classes we use arrows to represents their relationships.

class - Diagram of online Examination system :-

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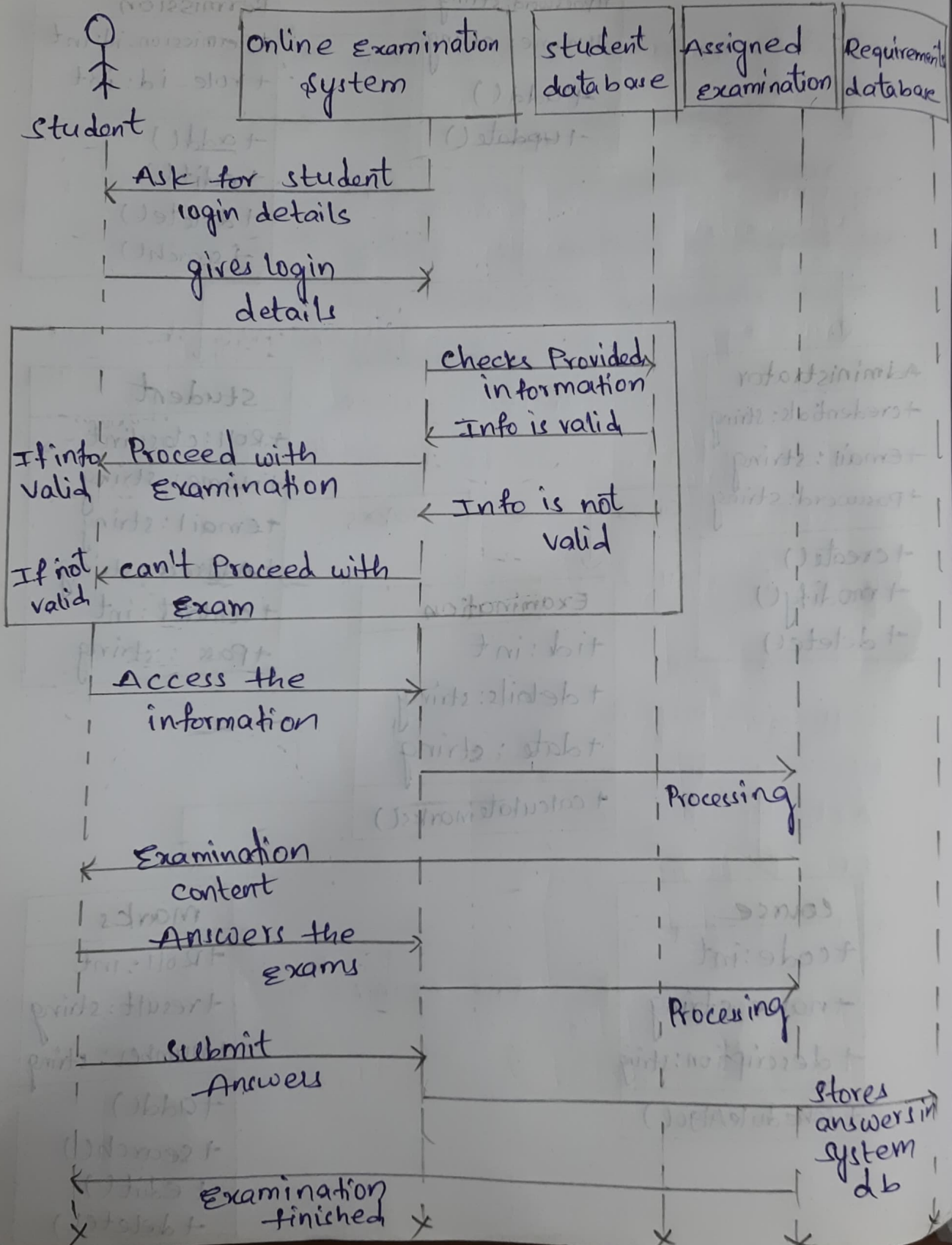
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2) Sequence Diagram: Describes the ends events occurs in online examination system. It gives the clear and detailed examination of online exam management system in terms of Processing the flow of instructions.

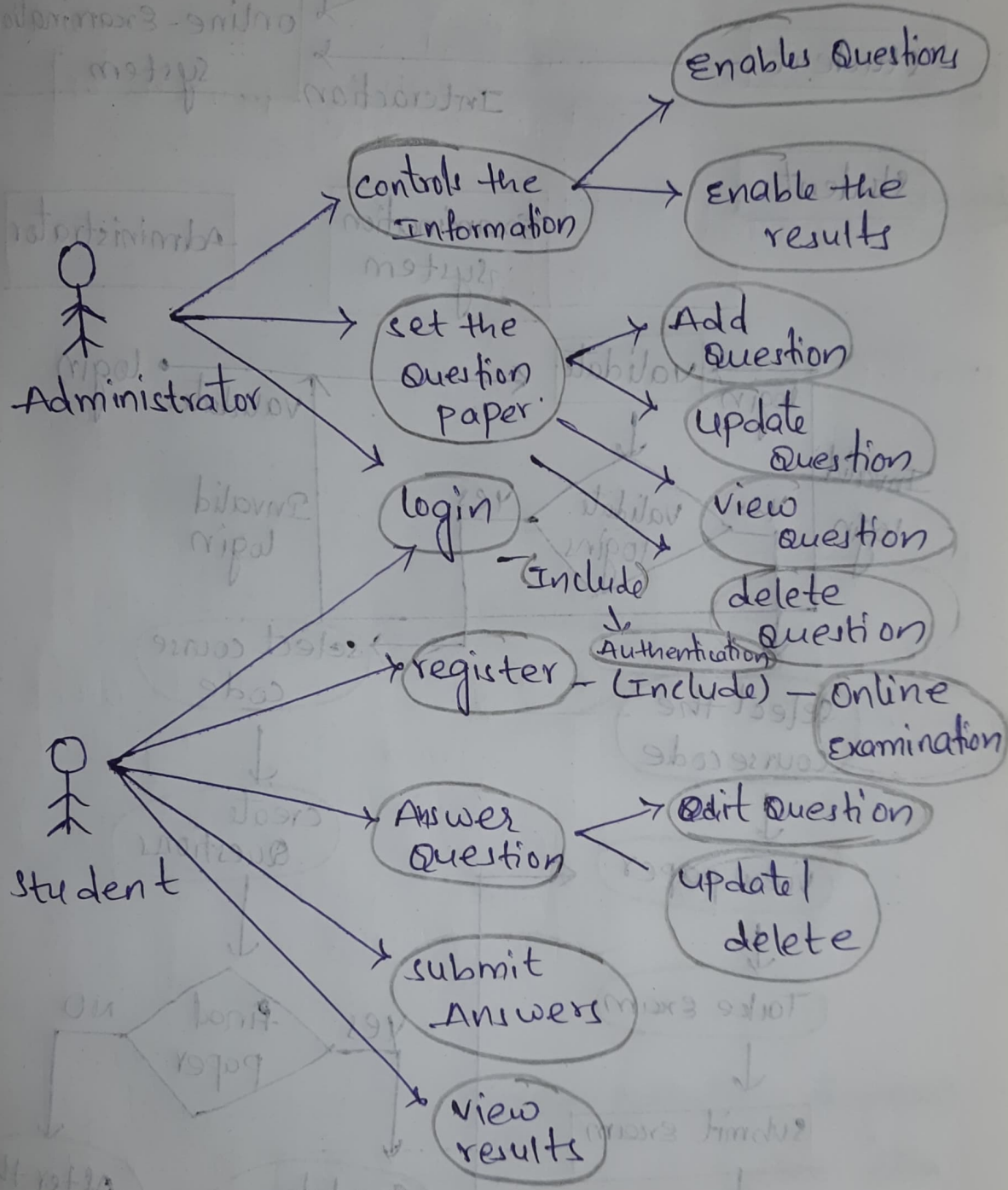
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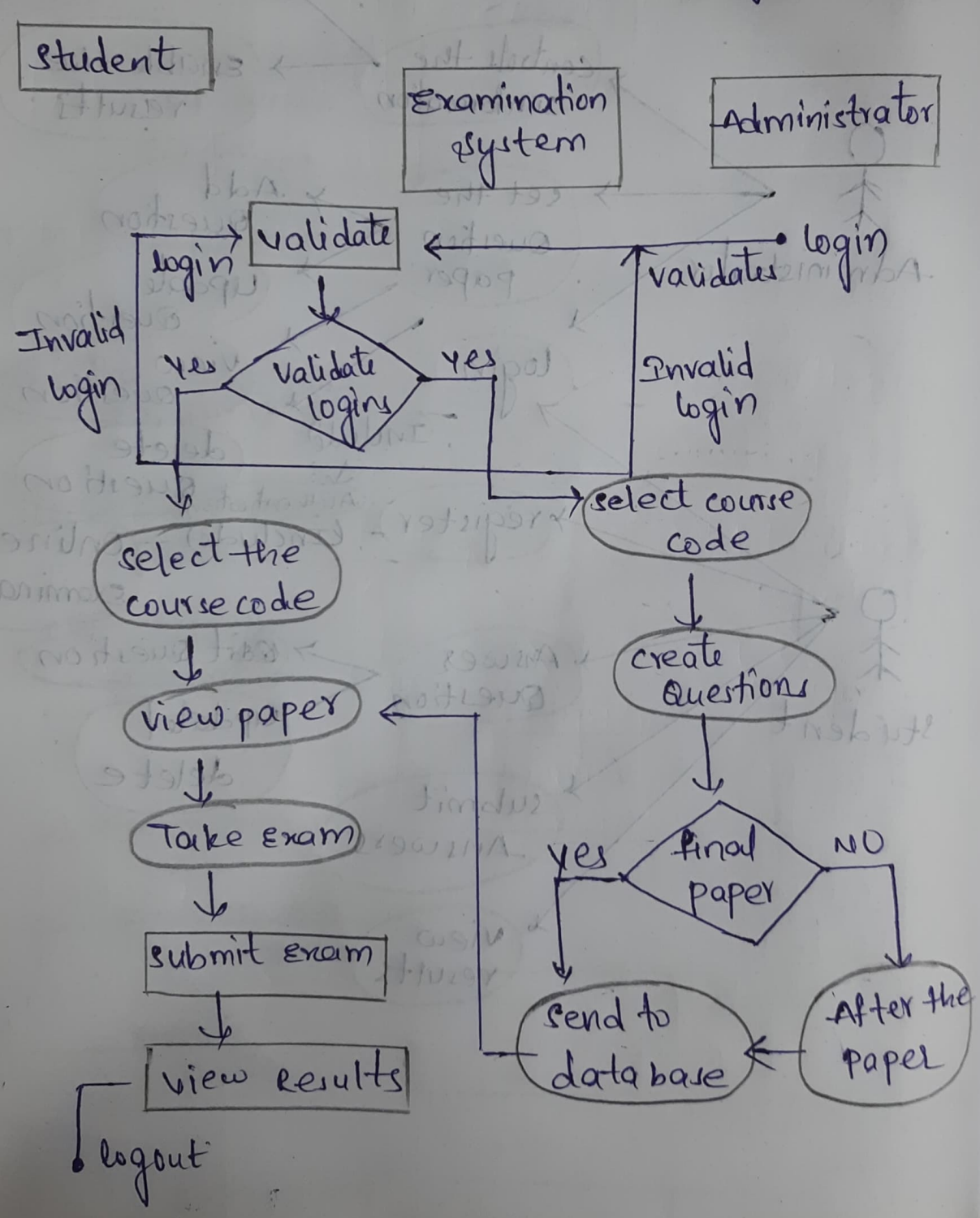
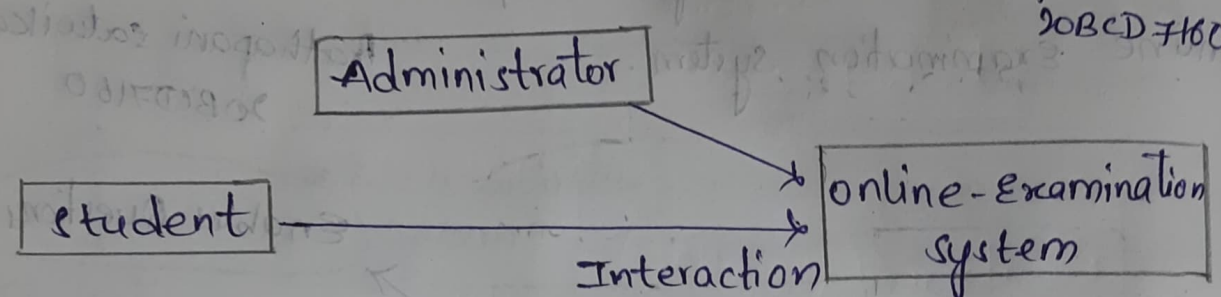
3) Use case Diagrams: Use case diagram represents the main process of the Examination system. It will describe the main or general/specific use cases of the online examination system.

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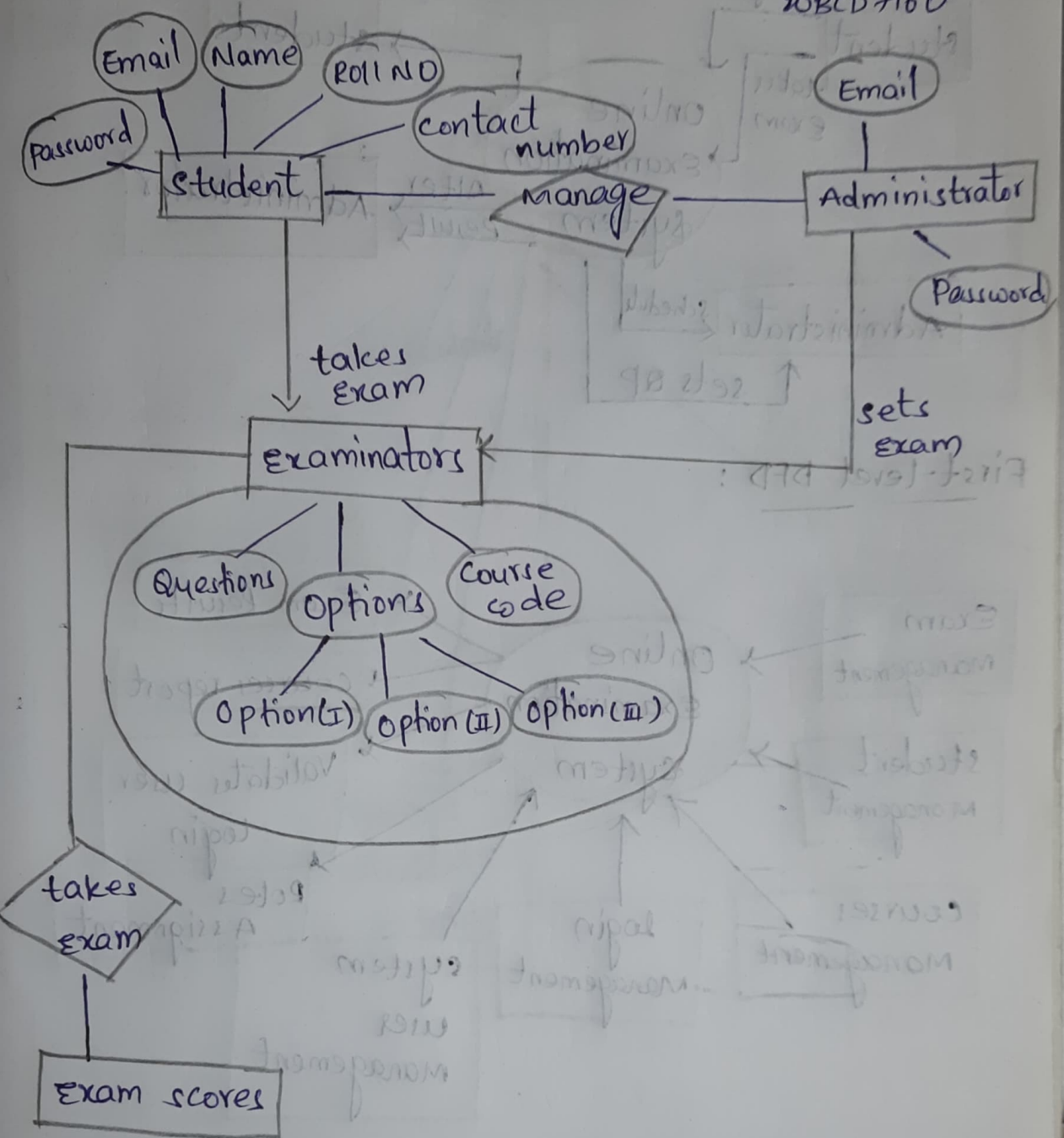


4) Activity diagram:- It is used to show the interaction of the user and the system, also helps us to avoid the flow.

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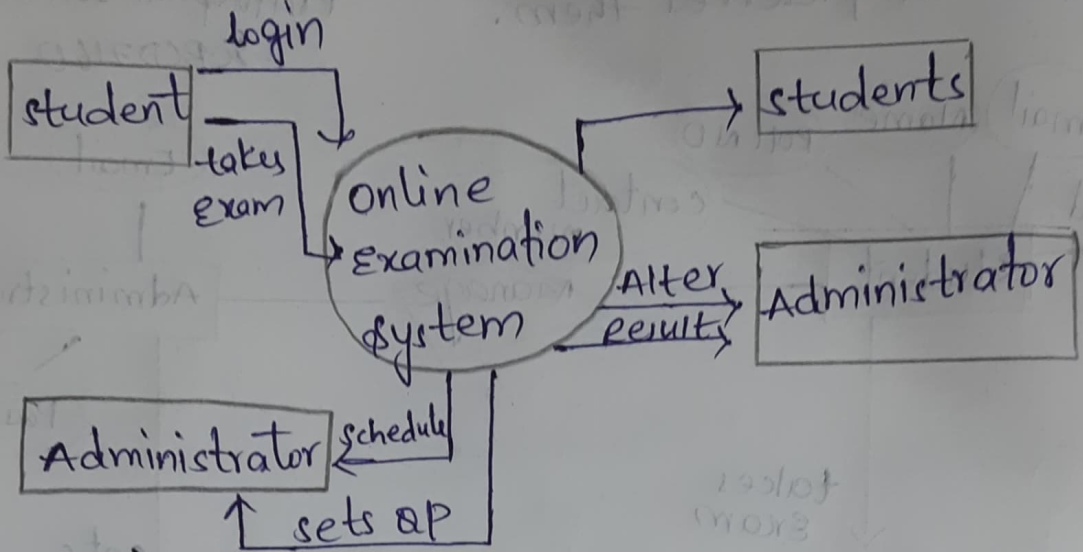


5) ER-Diagrams: The ER-diagram shows the system database. It secures all the essential data in the system and preserves them.

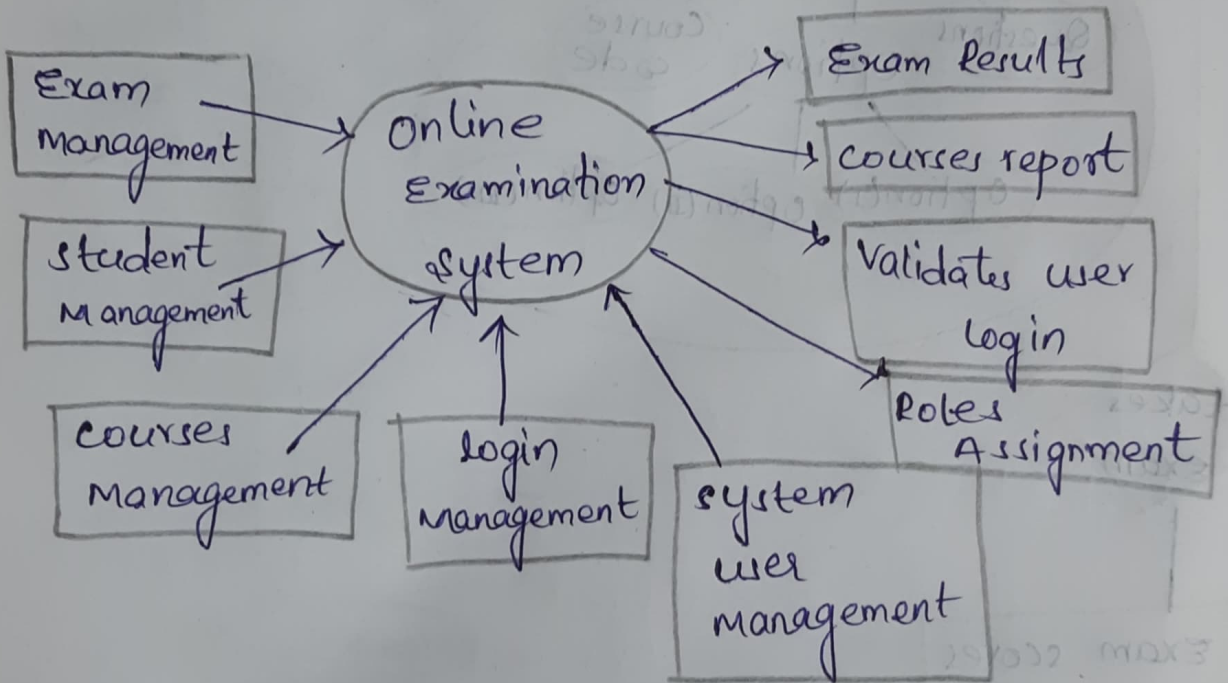


6) DFD - diagrams: DFD - diagram (Dataflow diagram) gives the detailed information about system data handled. It has levels based upon the system designs.

Context level - (zero level) DFD diagram : Prathapani satwika
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First-level DFD :



Second level DFD:

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