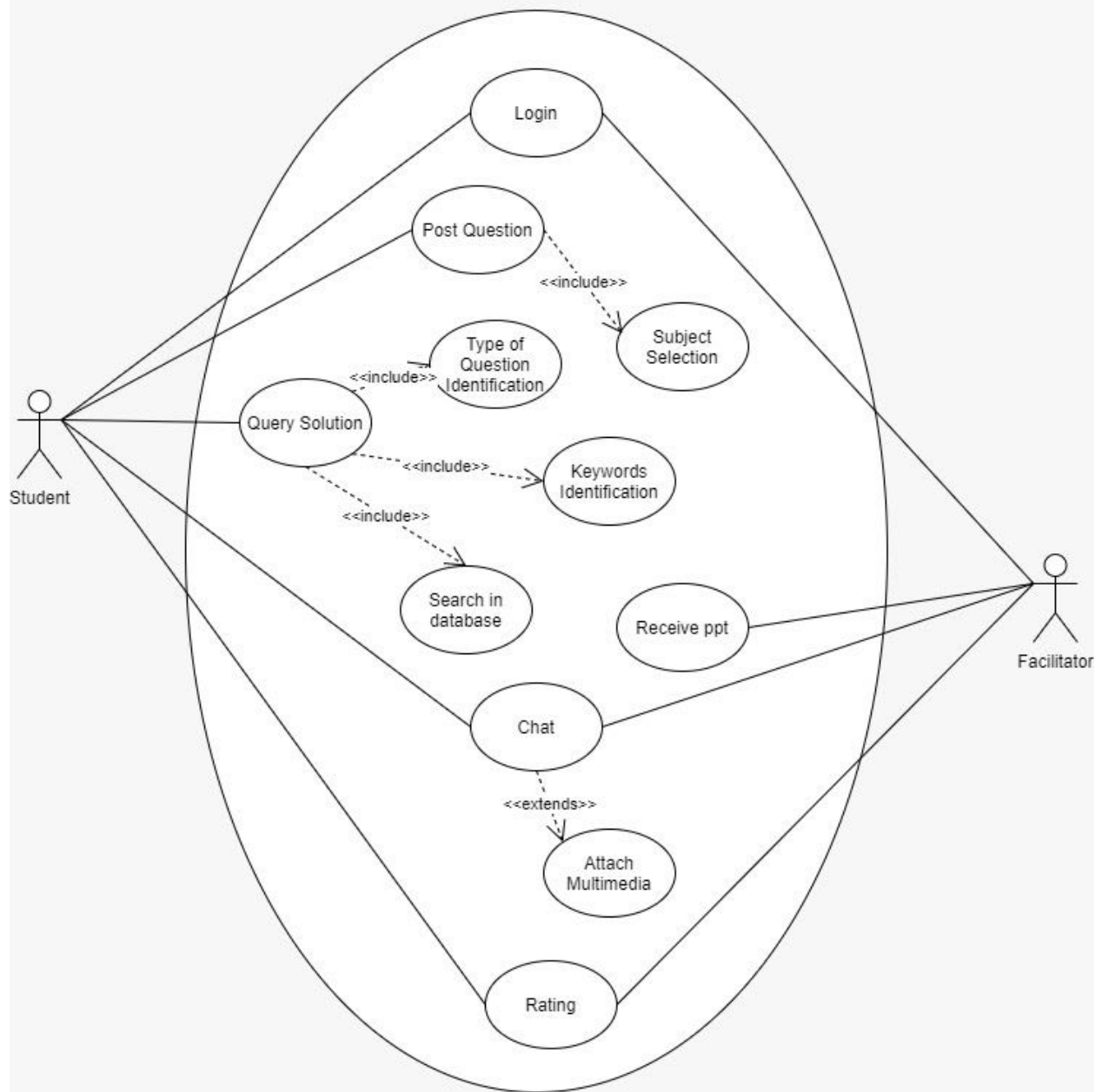# Assignment: 1
OOAD
Group no.- 5

Problem Statement:

Generation of precise answers for the questions posed by the learner. - Given a learning resource (a corpus of documents) the application should generate answers at various levels of granularity (details) for the questions posed by the learner. The challenge is the documents are unstructured and generating precise answers for the questions posed would be a challenge. -The types of questions to be handled could be objective or subjective. Based on the marks the answers retrieved should be shorter or lengthier. - Adding cues of important portions of the learning resource(highlighting of important points) Challenge 2 Automatic generation of PPT and handouts for the facilitator to assist in dissemination of content to the learners. - For generating the PPT automatically the important sentences/parts of the learning should be identified to the satisfaction of the facilitator.
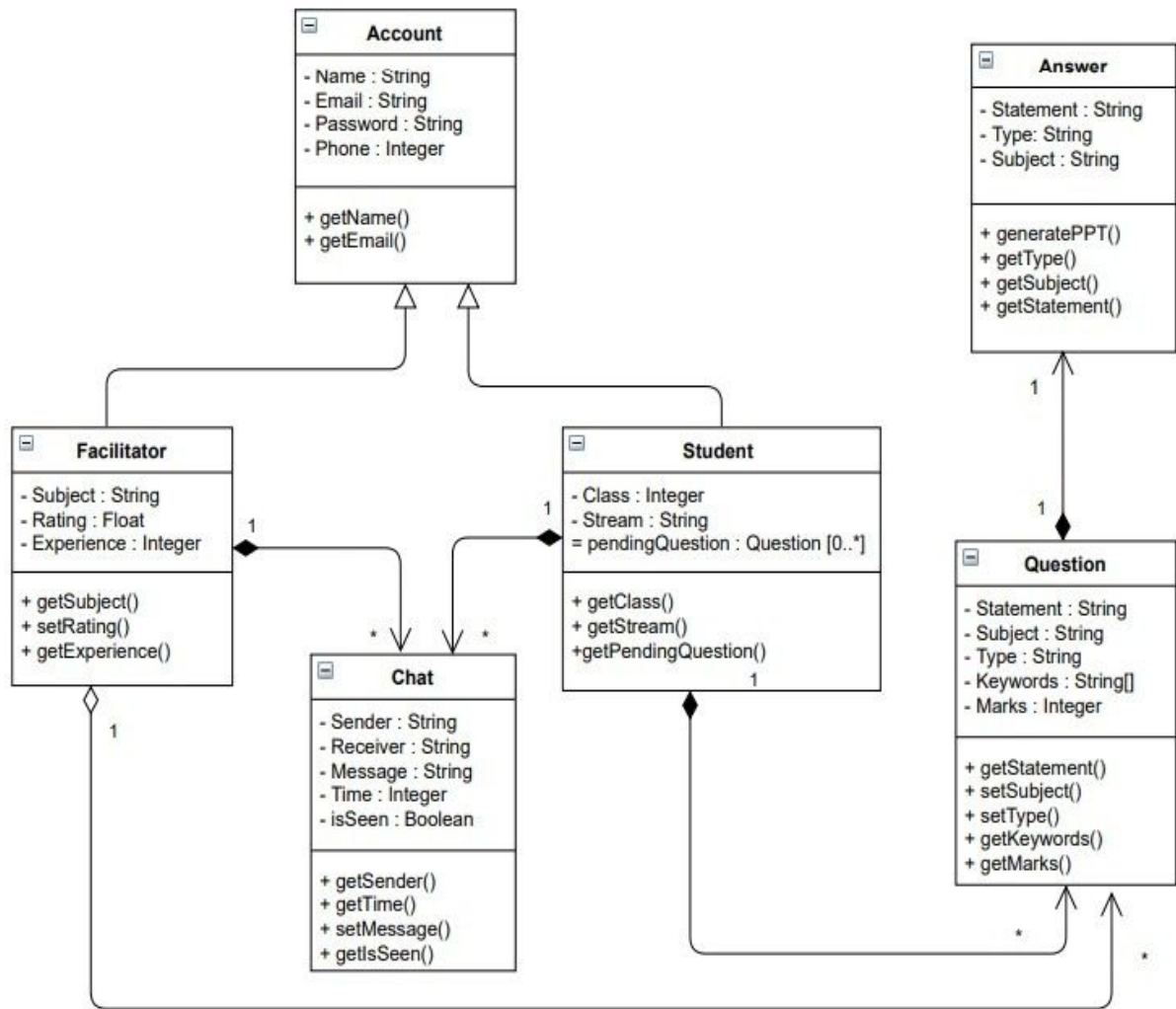
Contributions:

1. Use case Diagram by Sudhanshu Gupta (17103084)
2. Class Diagram by Abhinendra Gaurav (17103002)
3. Sequence Diagram by Ankit Goyal (17103011)
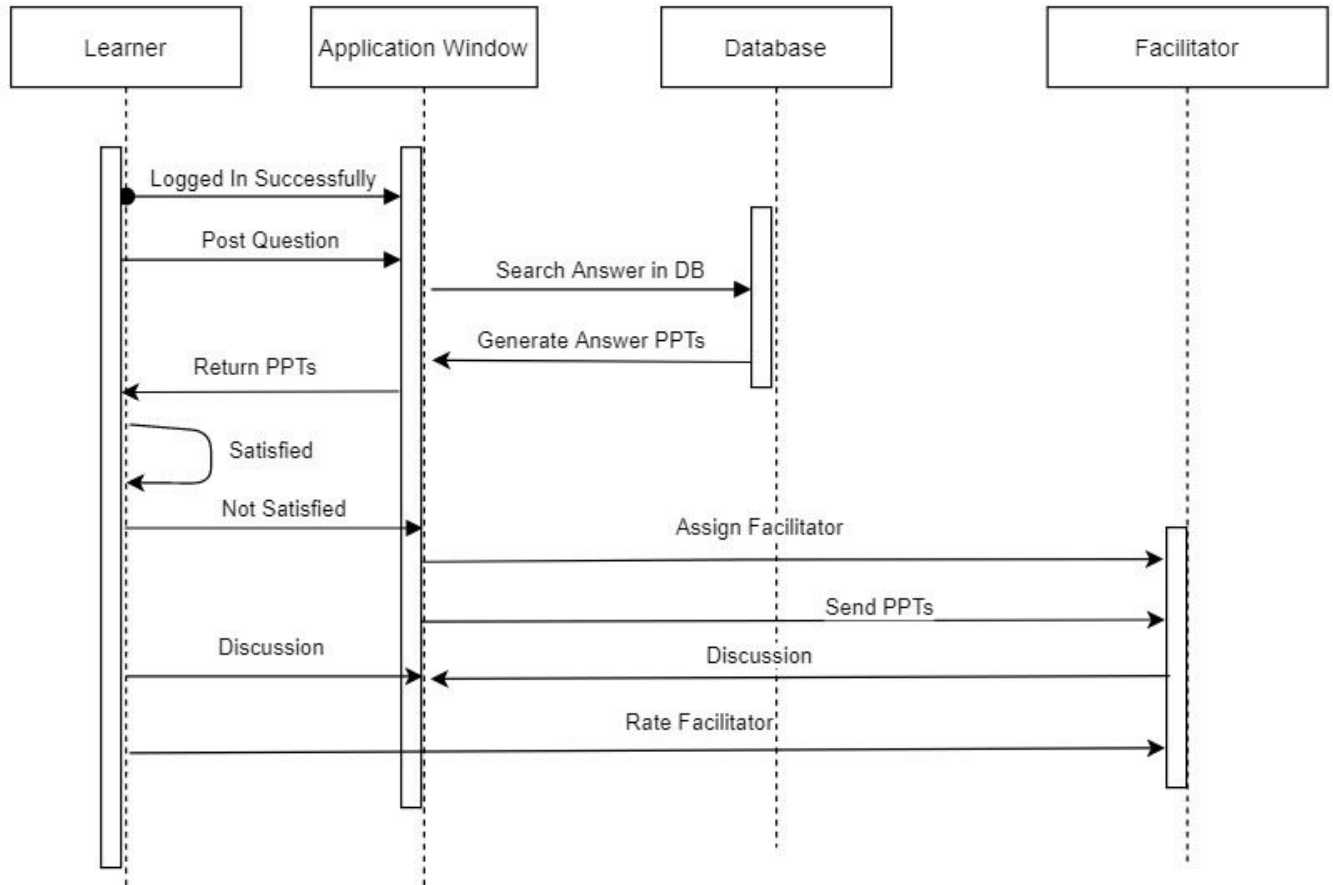4. State Diagram by Vikas Goyal (17103091)

Query Resolving Platform
Use Case Diagram

Class Diagram

Account

- Name : String
- Email : String
- Password : String
- Phone : Integer

+ getName()
+ getEmail()

Answer

- Statement : String
- Type: String
- Subject : String

+ generatePPT()
+ getType()
+ getSubject()
+ getStatement()

Facilitator

- Subject : String
- Rating : Float
- Experience : Integer

+ getSubject()
+ setRating()
+ getExperience()

Student

- Class : Integer
- Stream : String
= pendingQuestion : Question [0..*]

+ getClass()
+ getStream()
+getPendingQuestion()

Chat

- Sender : String
- Receiver : String
- Message : String
- Time : Integer
- isSeen : Boolean

+ getSender()
+ getTime()
+ setMessage()
+ getIsSeen()

Question

- Statement : String
- Subject : String
- Type : String
- Keywords : String[]
- Marks : Integer

+ getStatement()
+ setSubject()
+ setType()
+ getKeywords()
+ getMarks()

Query Resolving Plateform
Flow Diagram

Learner	Application Window	Database	Facilitator

Logged In Successfully

Post Question

Search Answer in DB

Generate Answer PPTs

Return PPTs

Satisfied

Not Satisfied

Assign Facilitator

Send PPTs

Discussion

Discussion

Rate Facilitator

Query Resolving Platform
State Diagram