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1. Class diagram

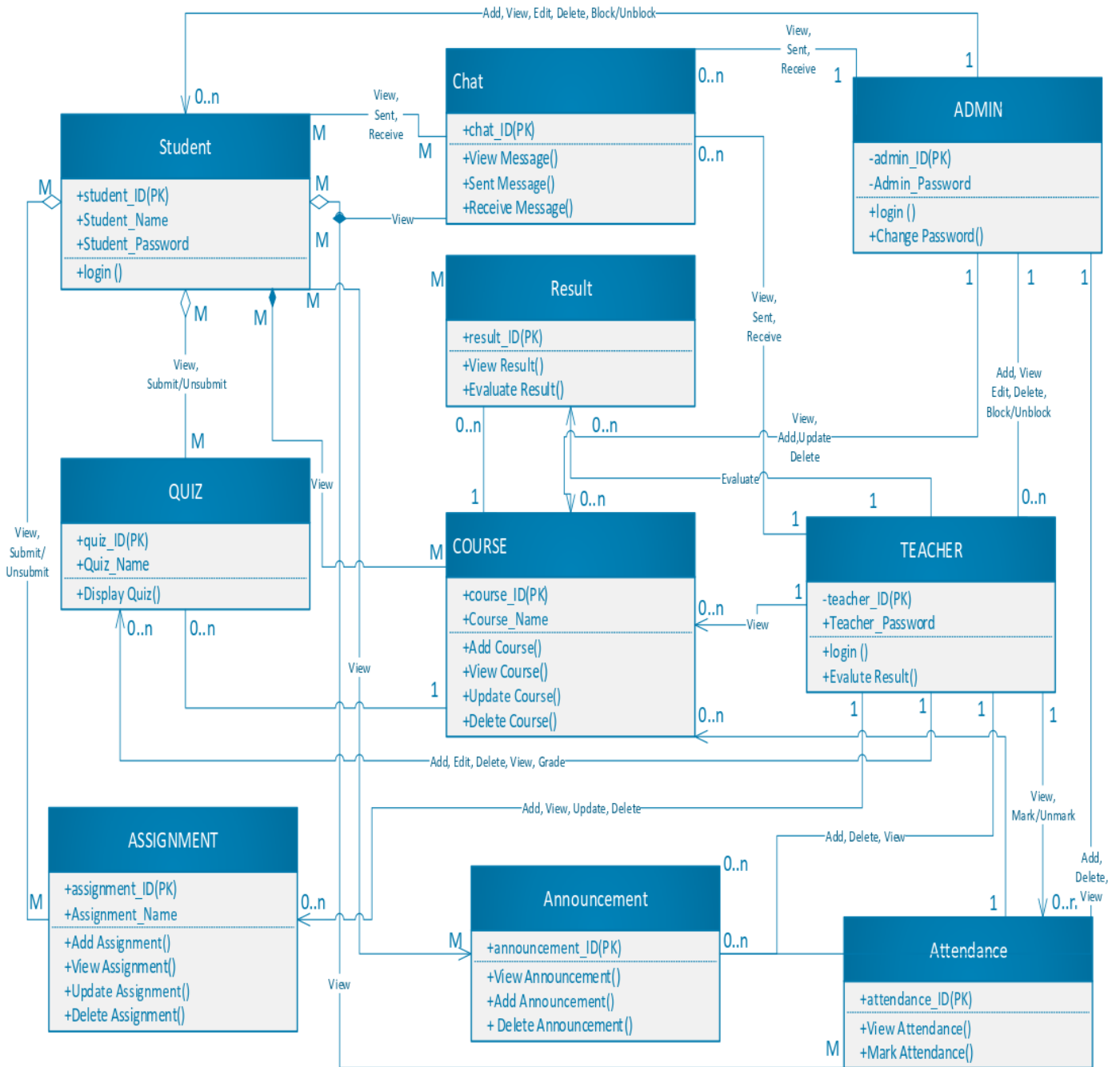


Figure 3.1

2. Activity Diagram

2.1 Student

- For Student Side

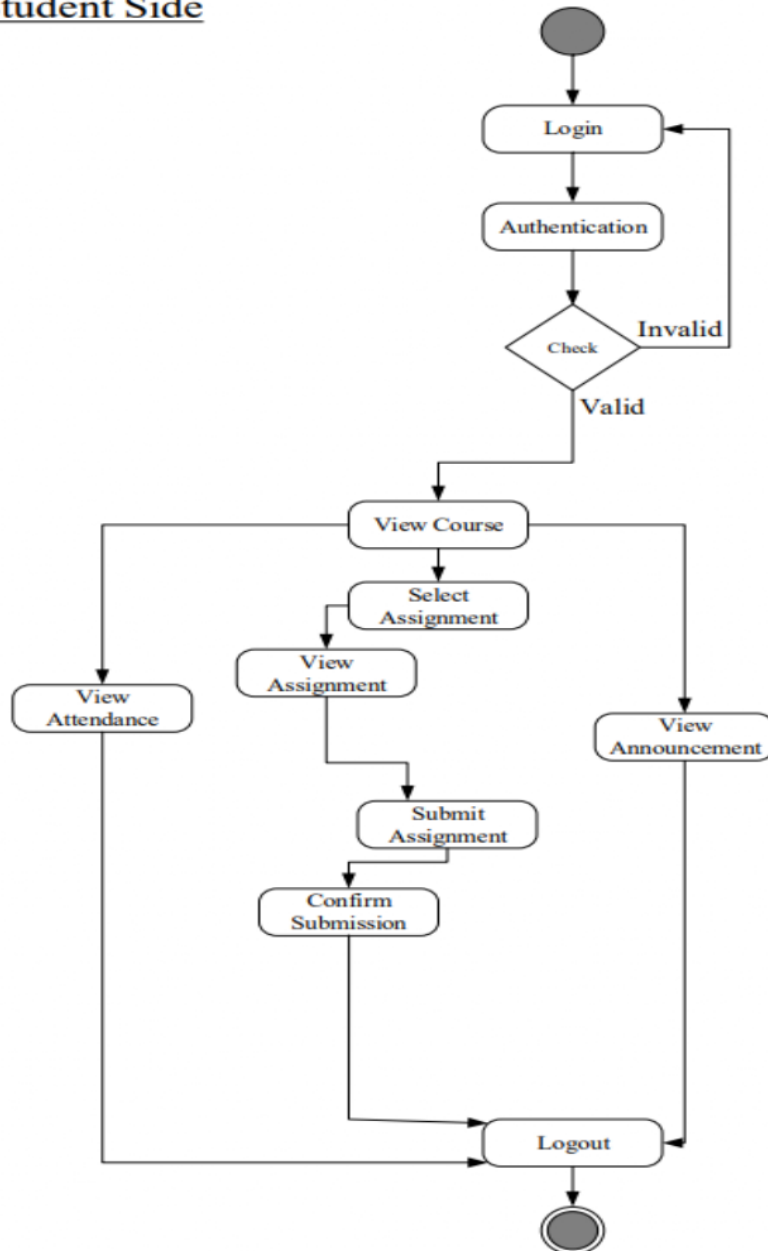


Figure 3.2

2.2 Teacher

- For Teacher Side

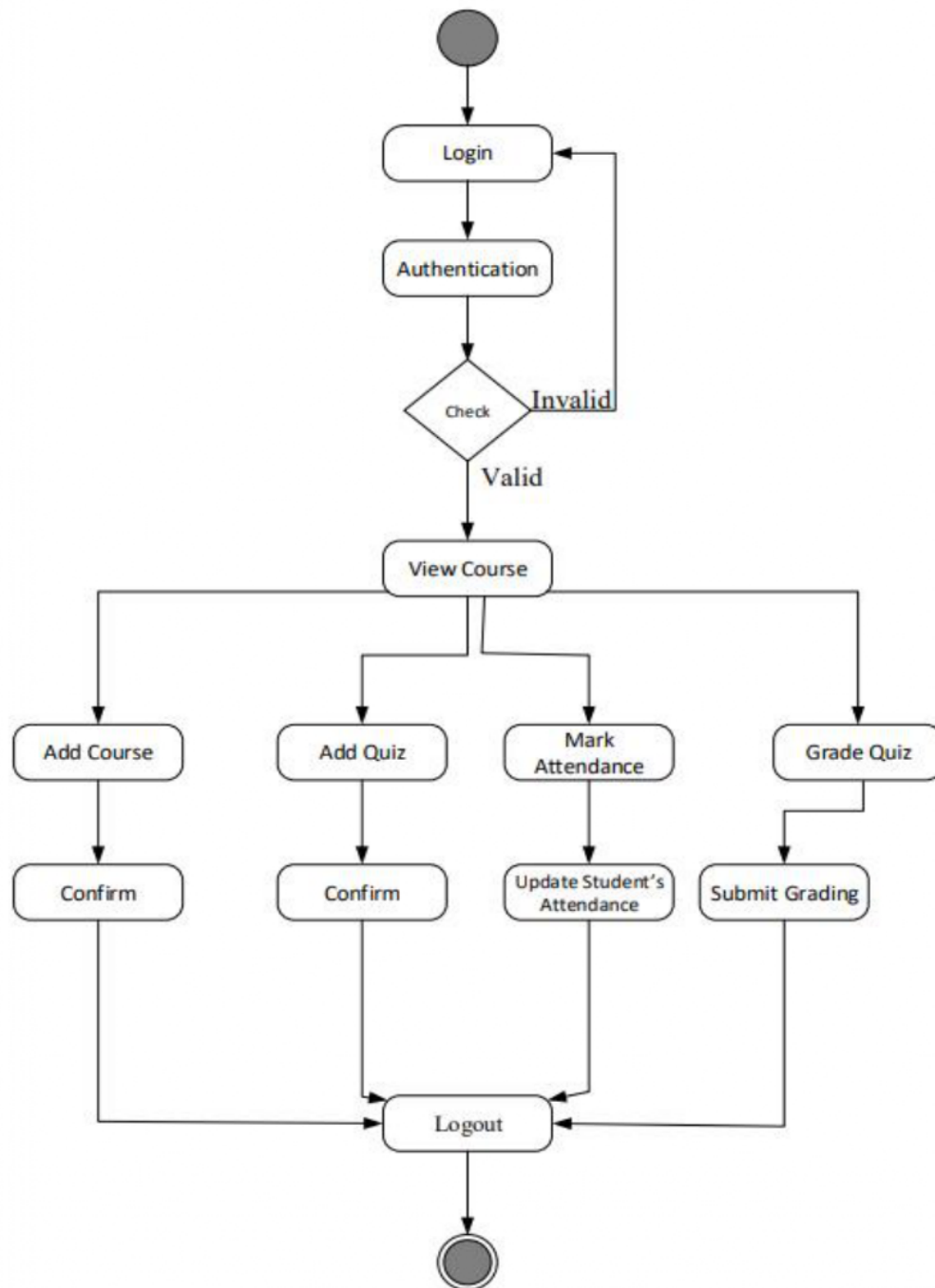


Figure 3.3

2.3 Admin

- For Admin Side

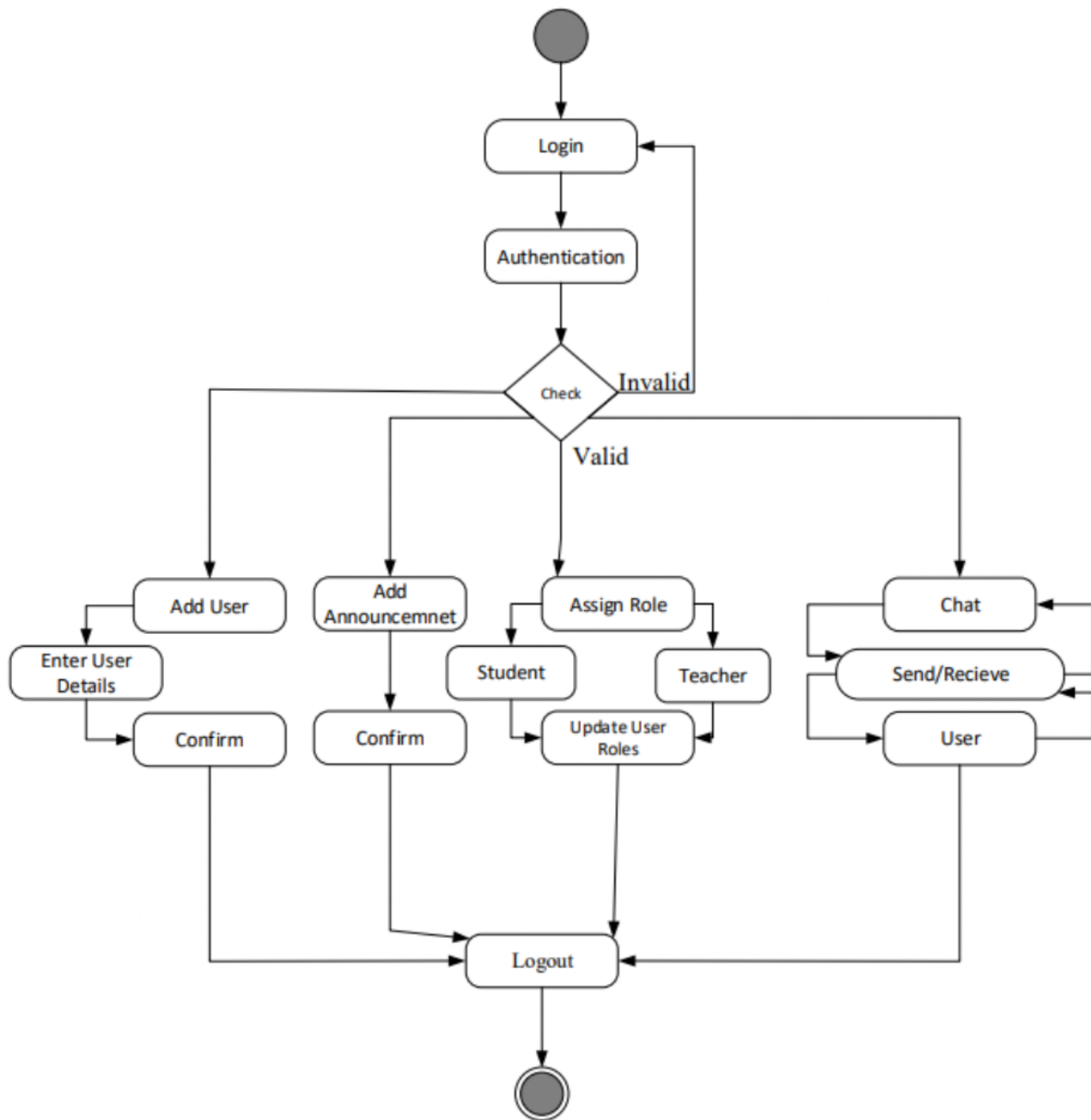


Figure 3.4

3. State Diagram

3.1 Admin

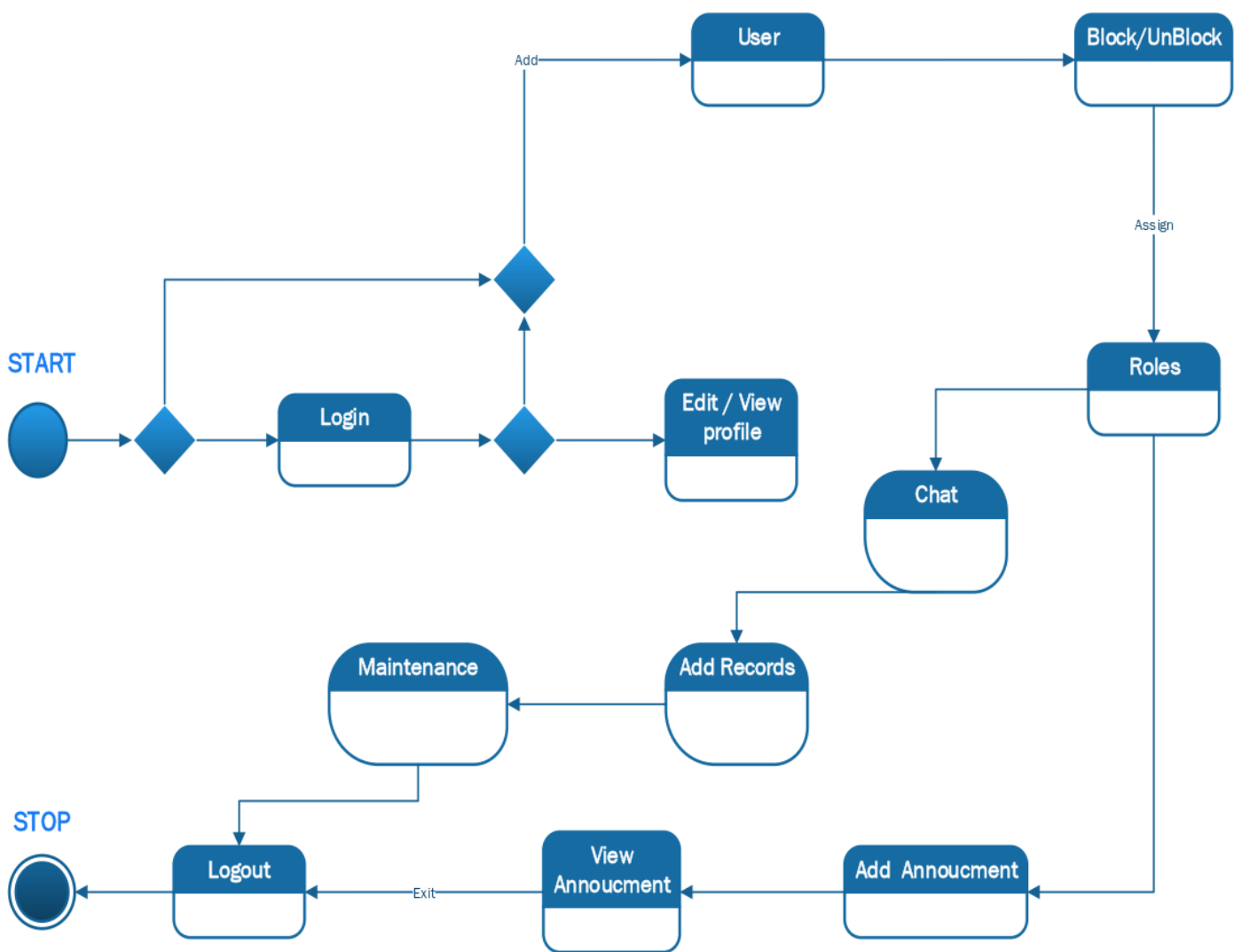


Figure 3.5

3.2 Teacher

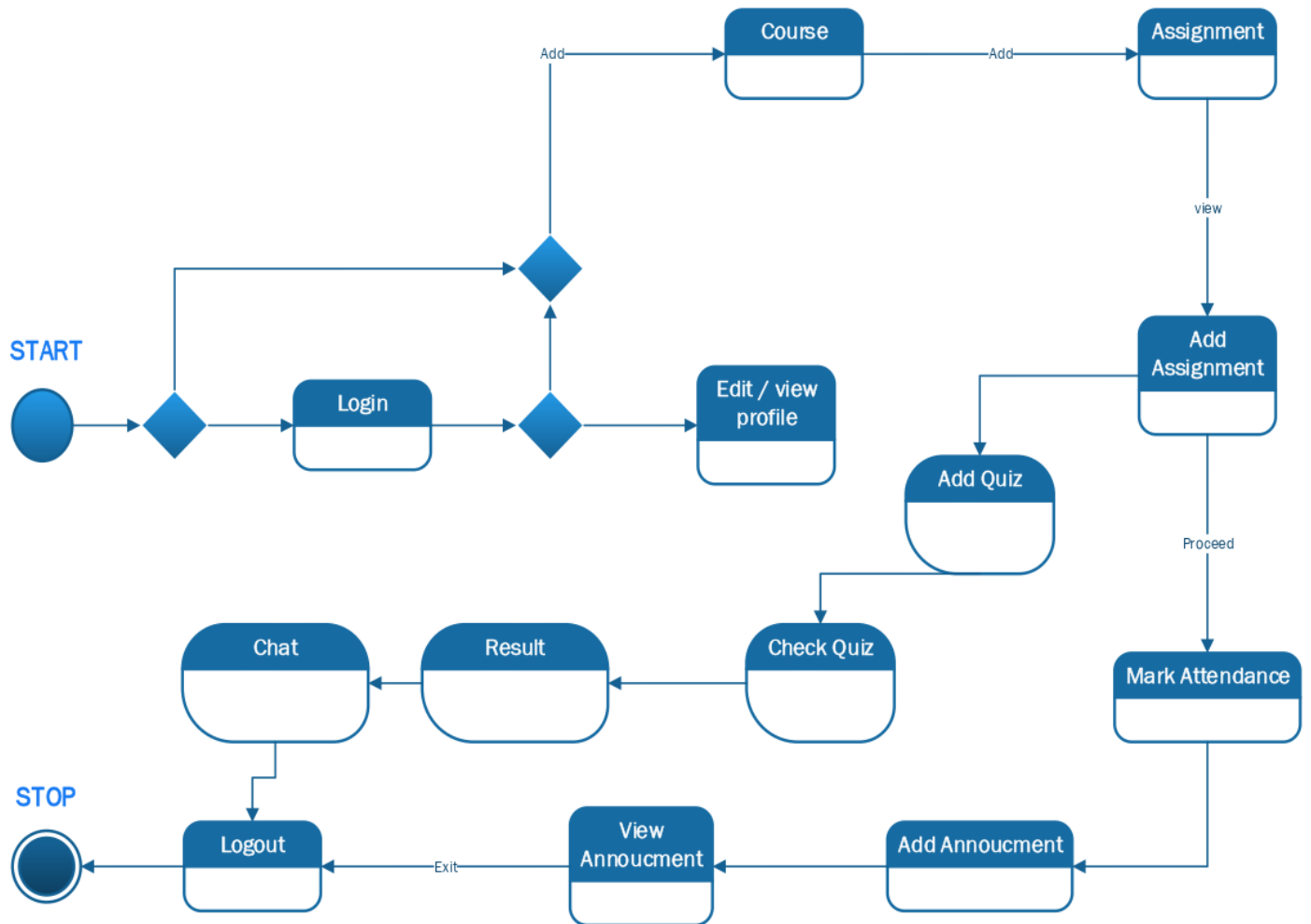


Figure 3.6

3.3 Student

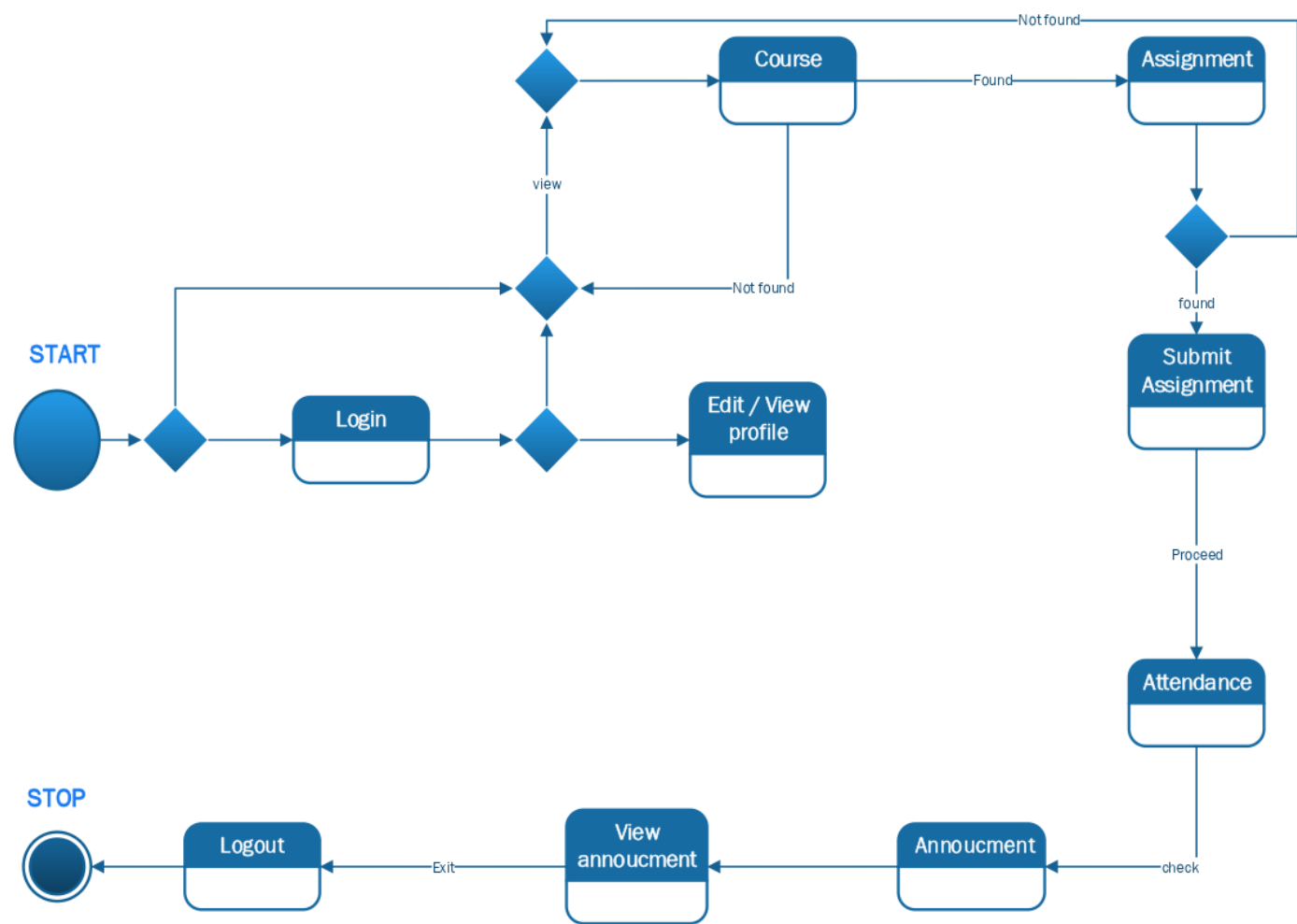


Figure 3.7

4. Sequence diagram

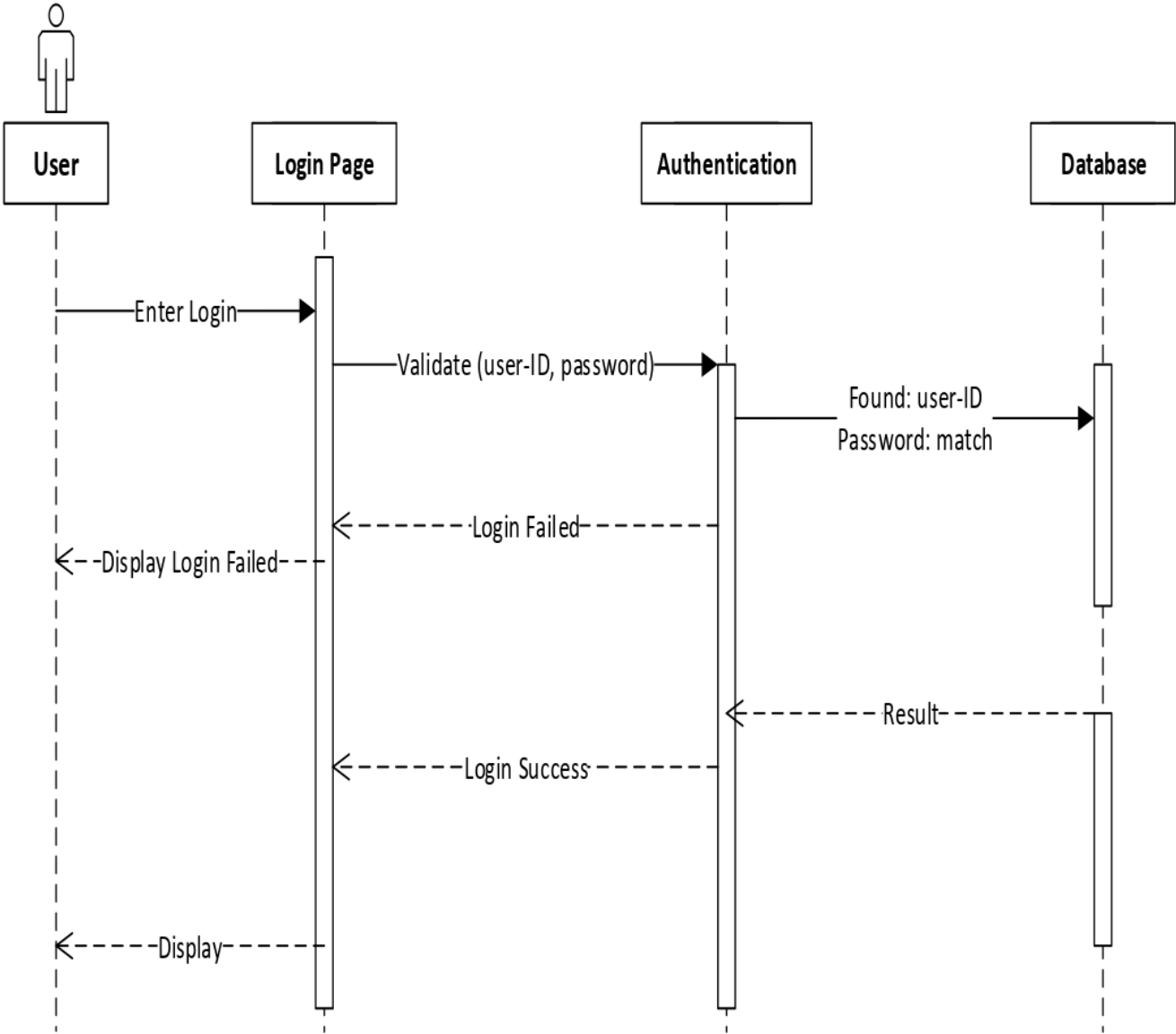


Figure 3.8

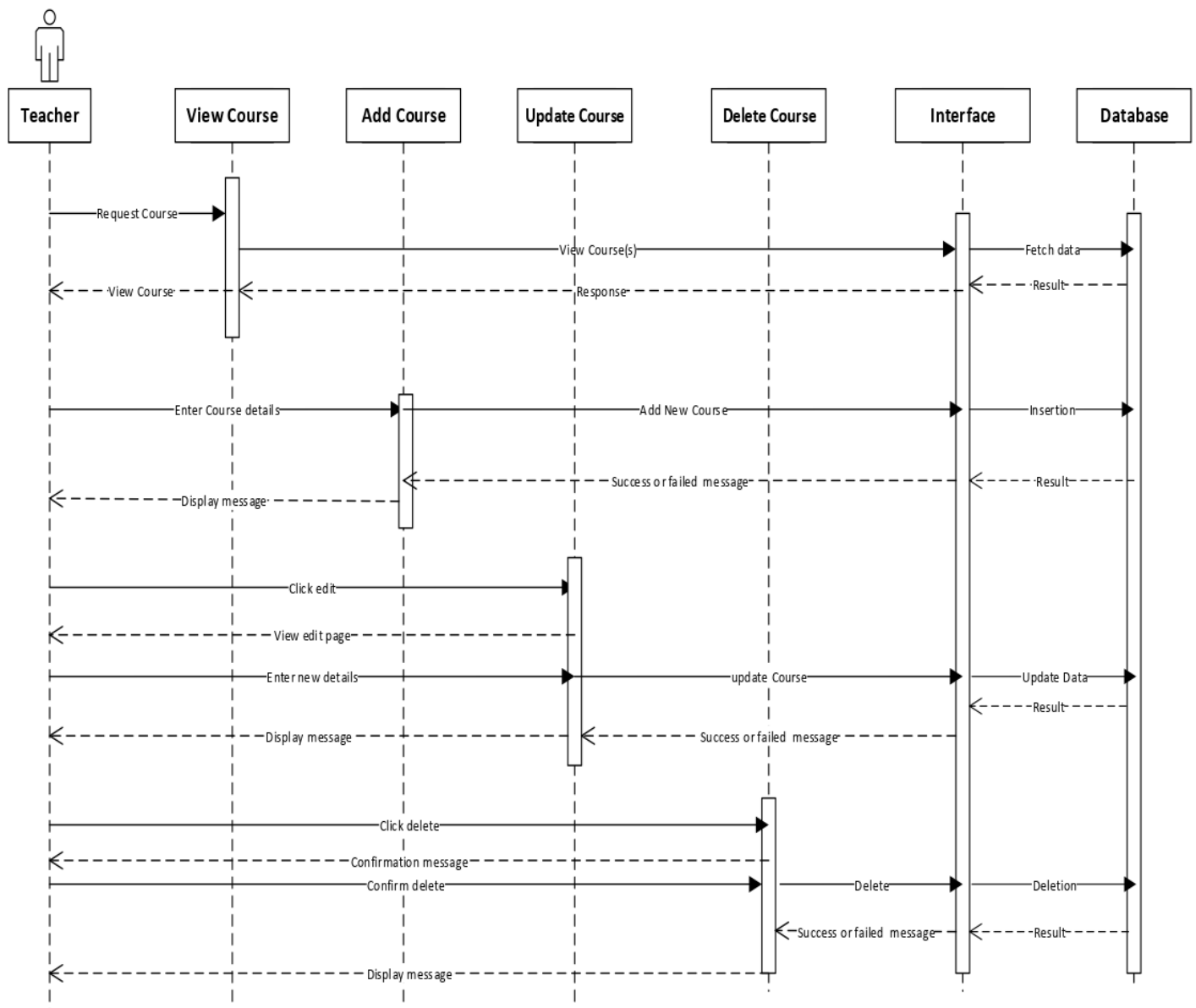


Figure 3.9

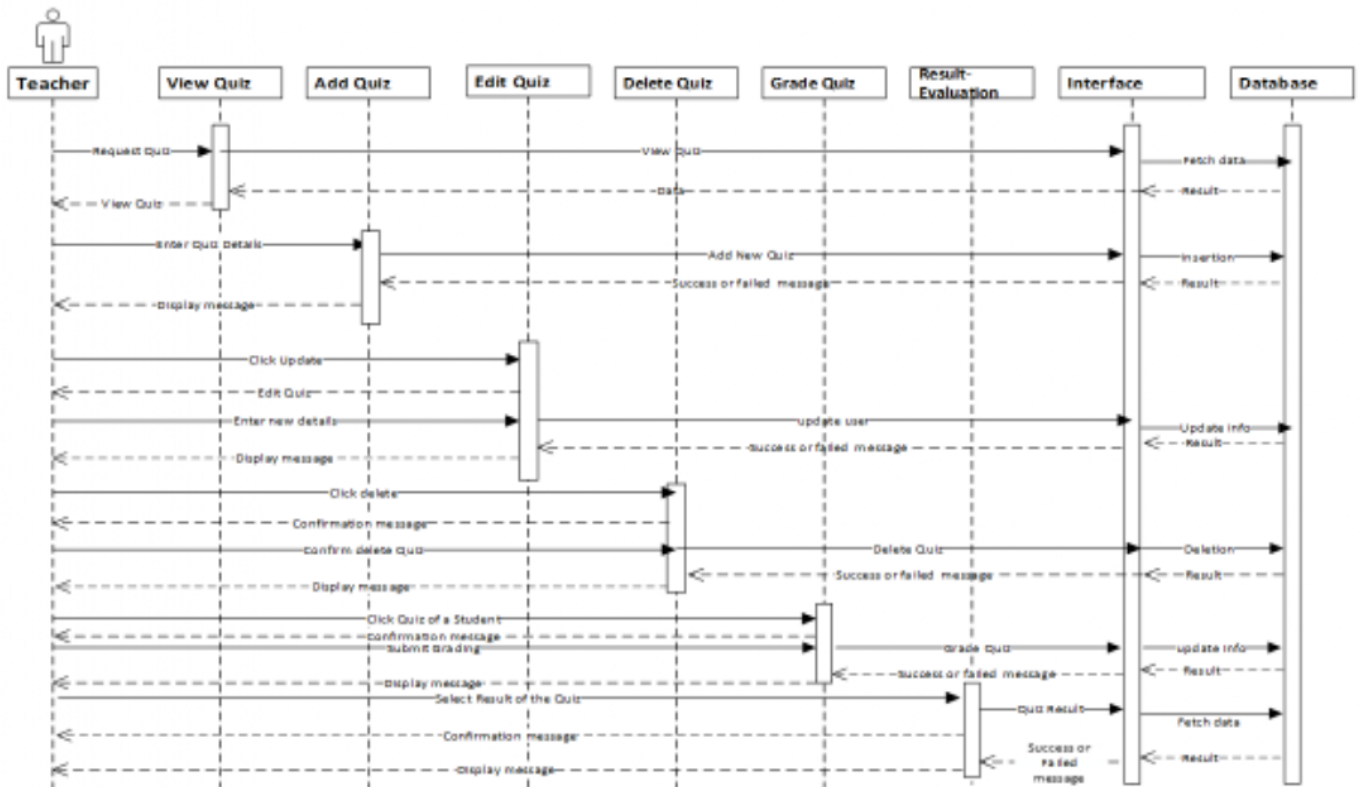


Figure 3.10

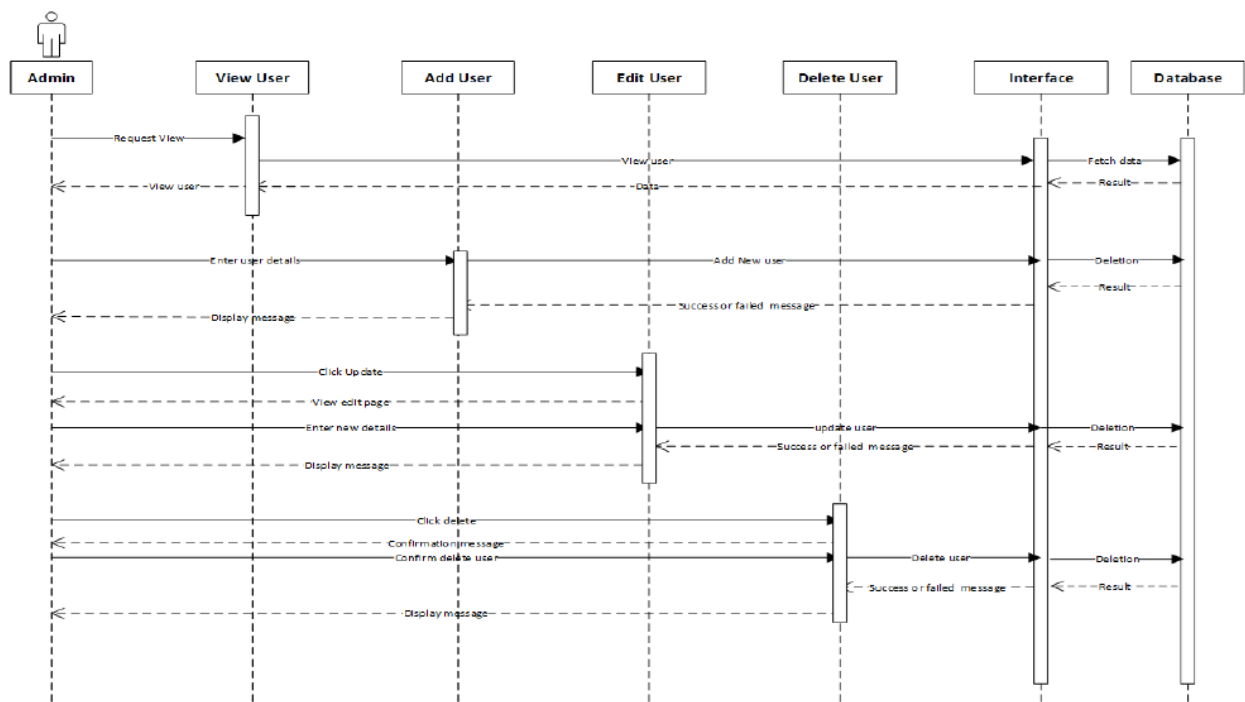


Figure 3.11

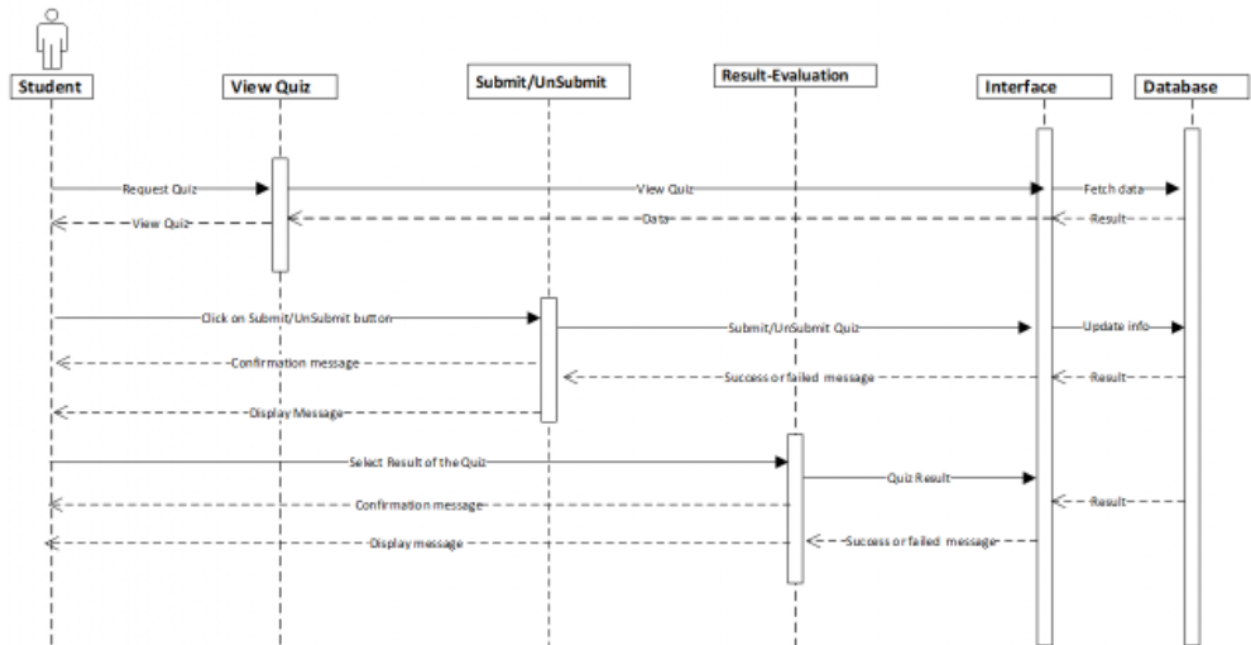


Figure 3.12

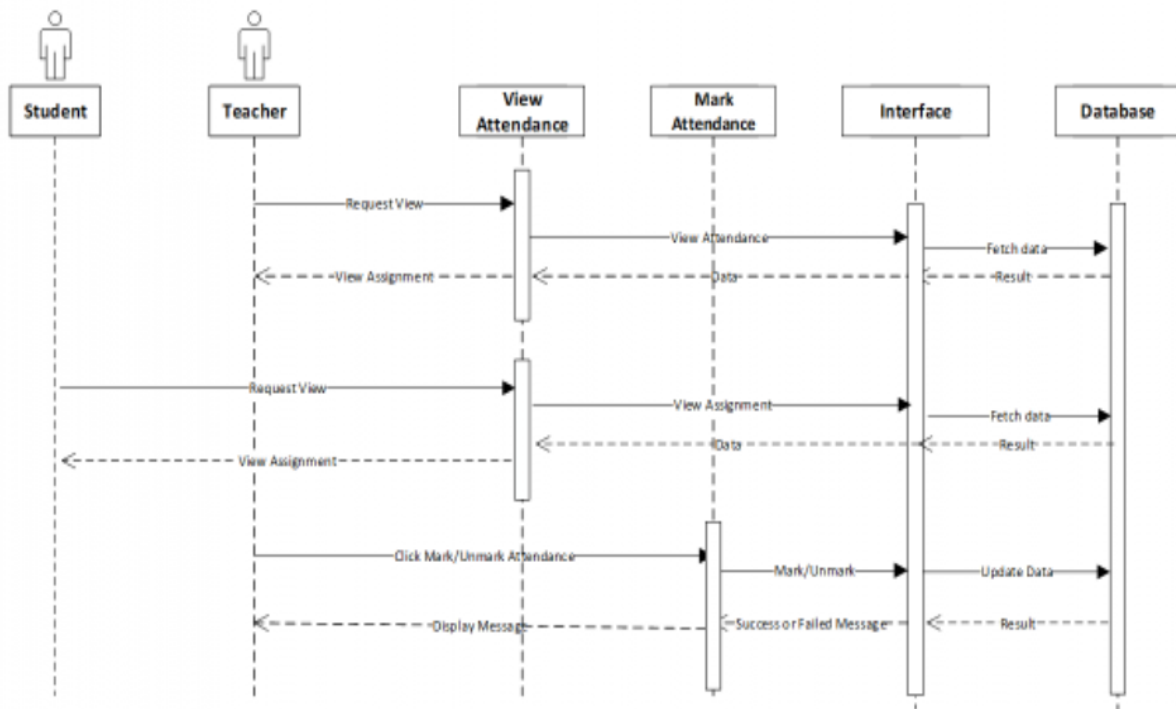


Figure 3.13

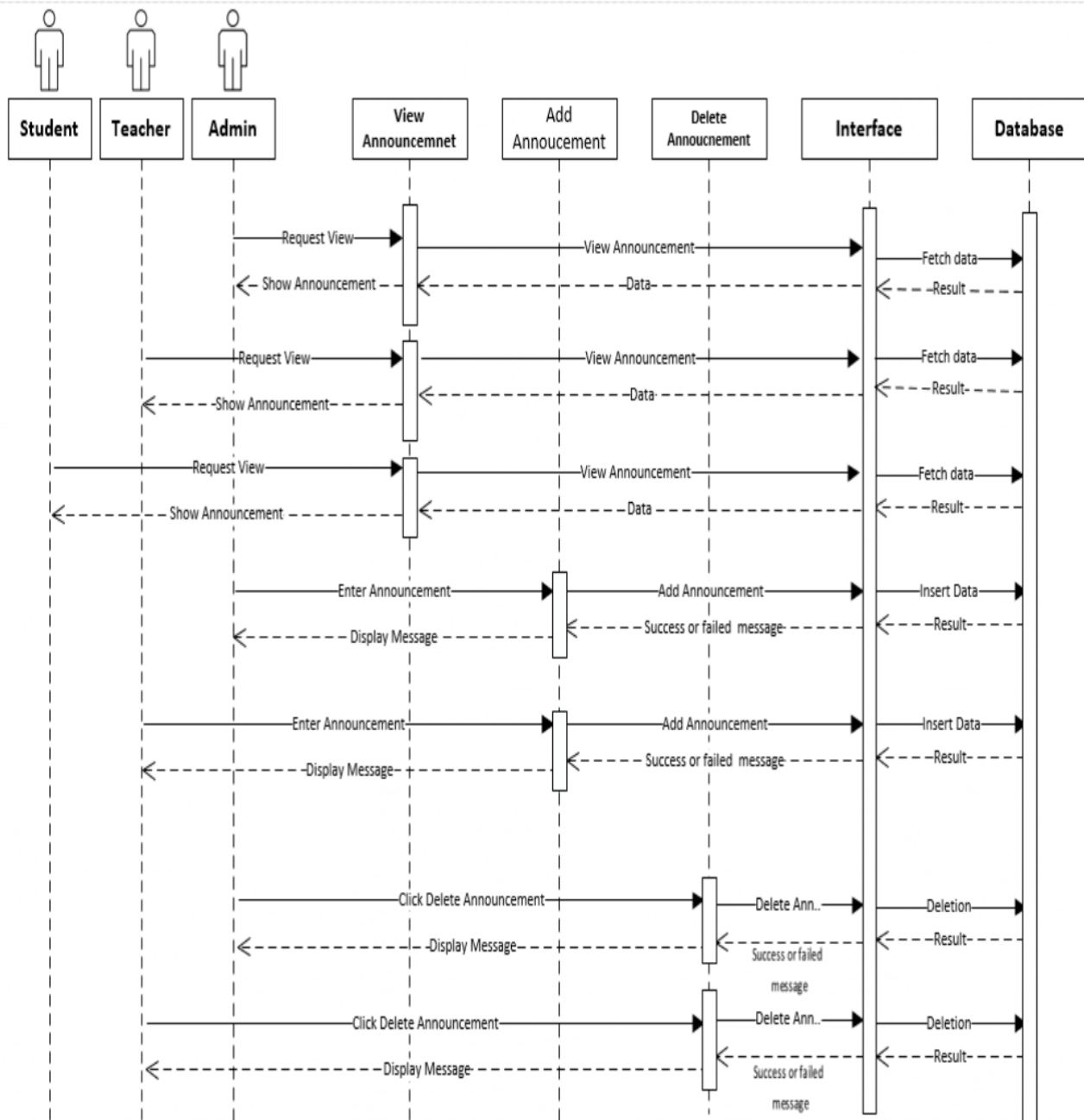


Figure 3.14

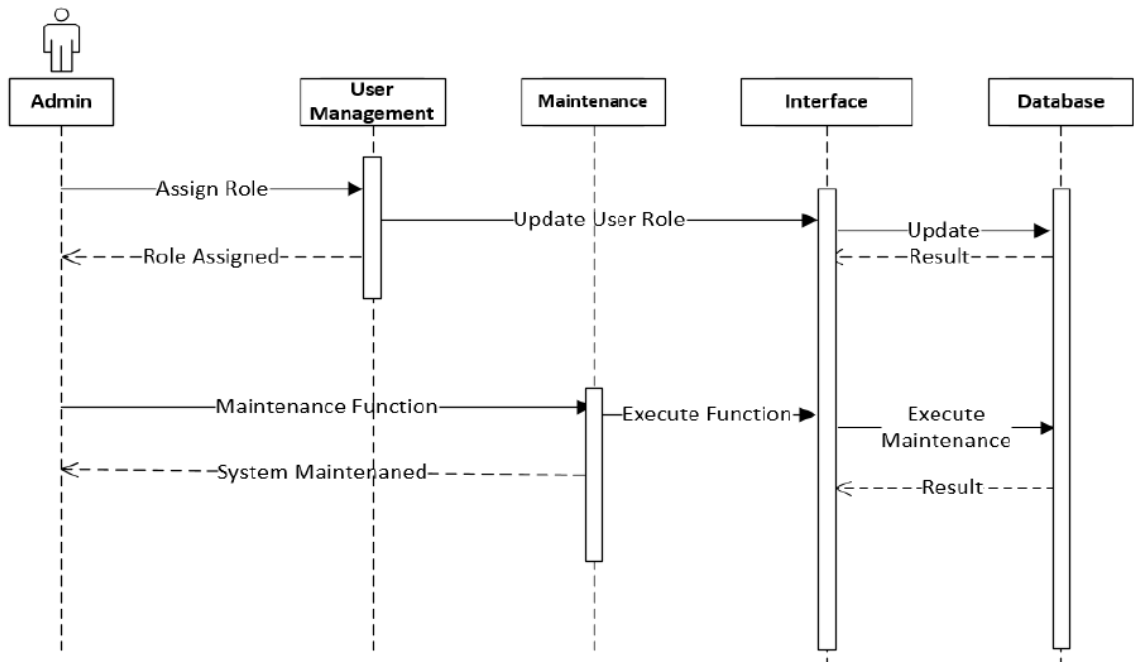


Figure 3.15

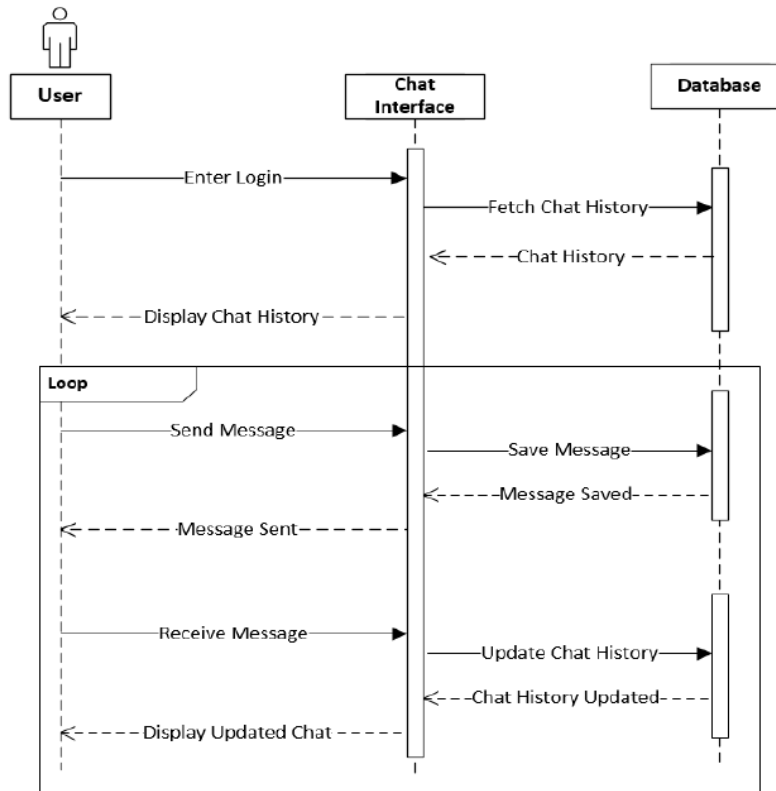


Figure 3.16

5. DFD Diagram

5.1 DFD Level-0

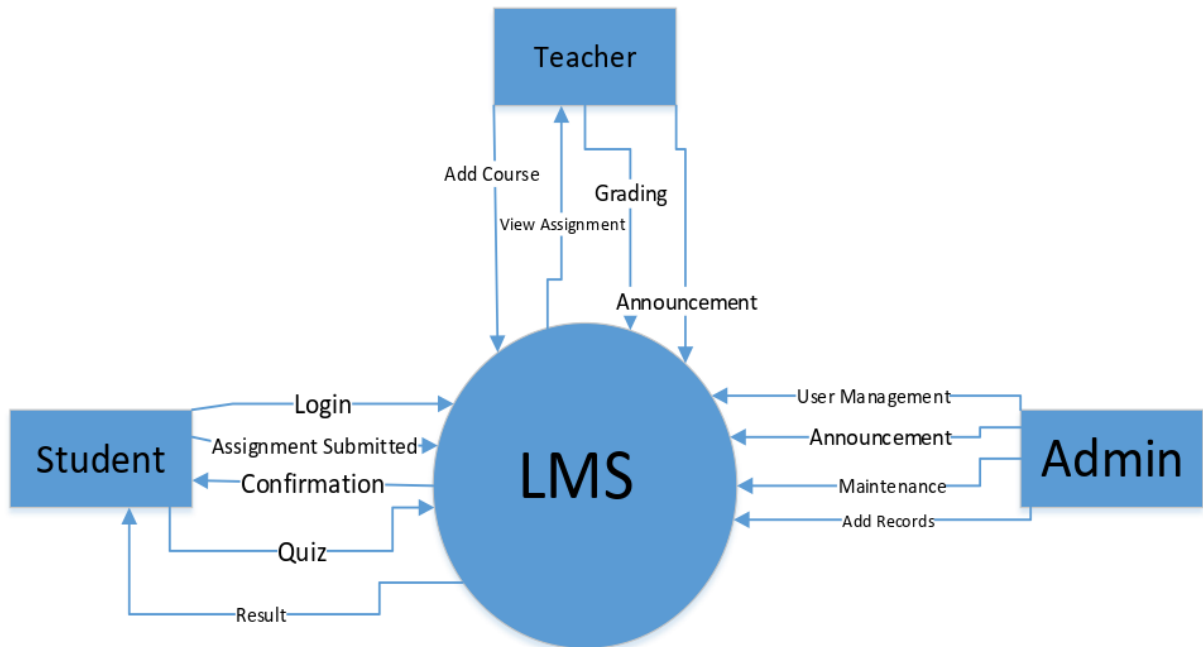


Figure 3.17

5.2 DFD Level-1

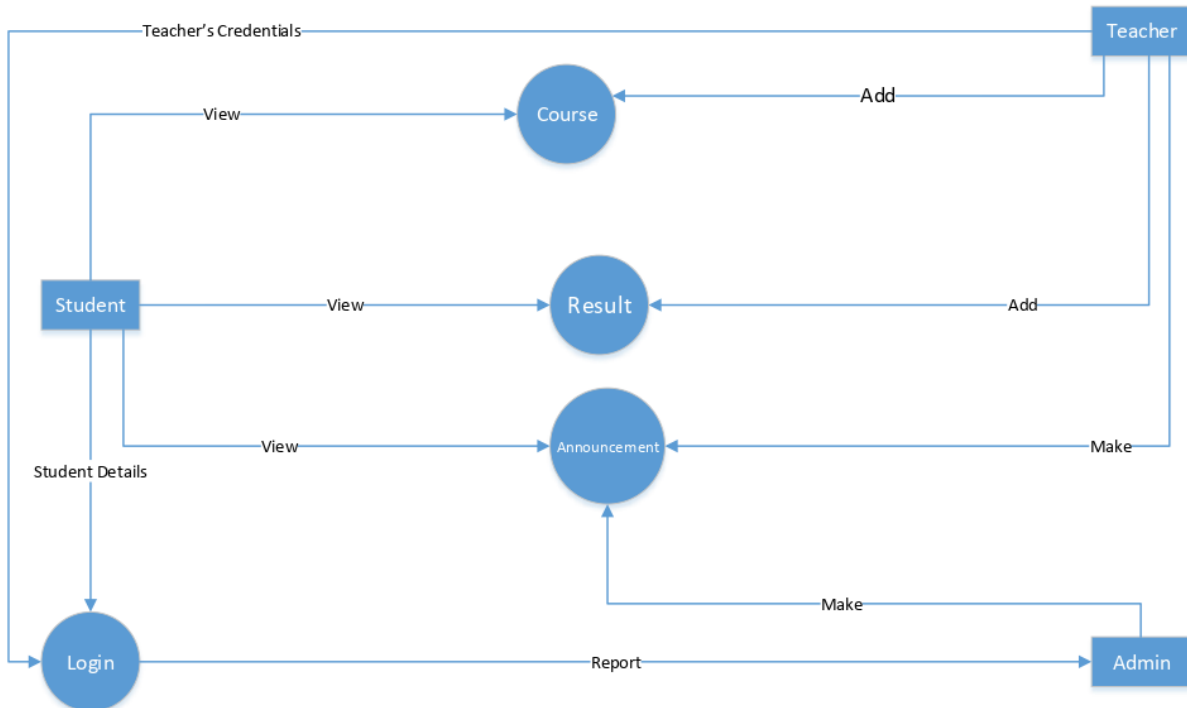


Figure 3.18

5.3 DFD Level-2

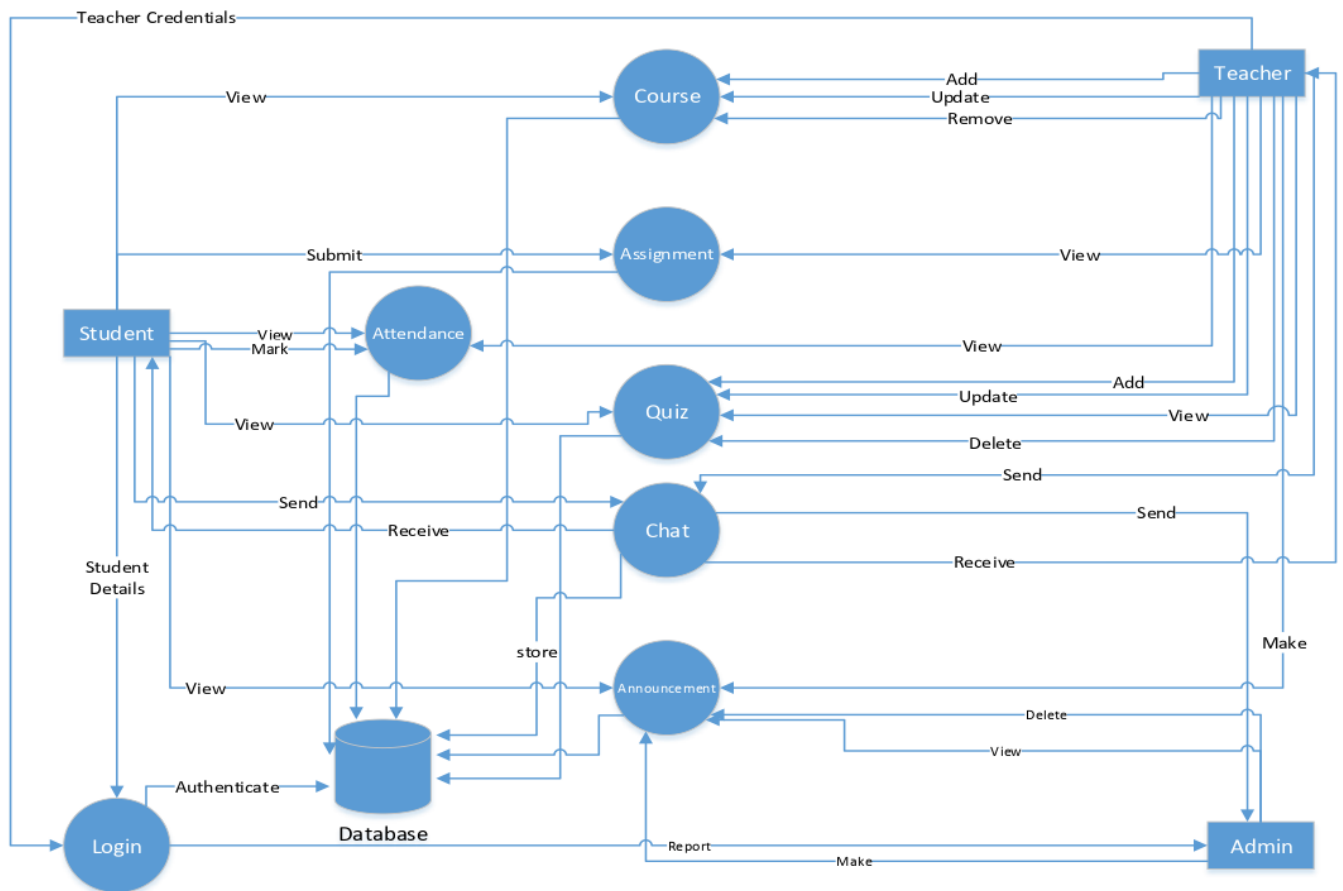


Figure 3.19

6. ER Diagram

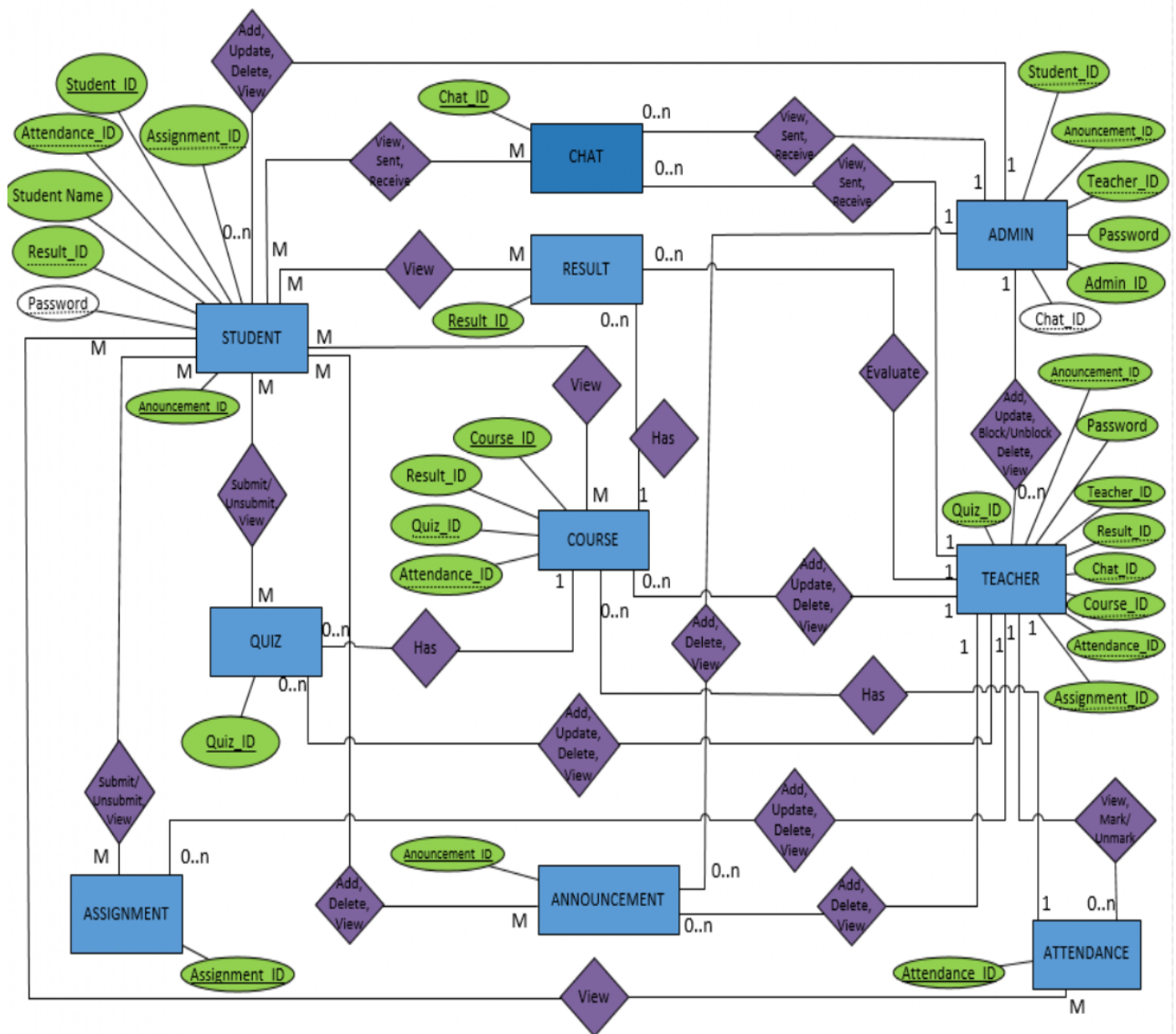


Figure 3.20

6.1 Normalization

Student Table

Student_ID(P.k)	Student_Name	Password	DOB

Announcement Table:

Announcement_ID (P.k)	Content	Date_Posted

Attendance Table:

Attendance_ID(P.K)	Date	Status	Student_ID(F.k)	Course_ID(F.k)

Assignment Table:

Assignment_ID(P.K)	Assignment_Name	Description	Due_date	Course_ID(F.k)

Course Table:

Course_ID(P.K)	Course_Name	Teacher_ID(F.k)

Chat Table:

Chat_ID(P.K)	Sender_ID	Receiver_ID	Message	Timestamp

Quiz Table:

Quiz_ID(P.K)	Course_ID(F.k)	Date	Time_Limit	Questions

Admin Table:

Admin_ID(P.K)	Admin_Name	Password

Teacher Table:

Teacher_ID(P.K)	Teacher_Name	Password

7. Deployment Diagram

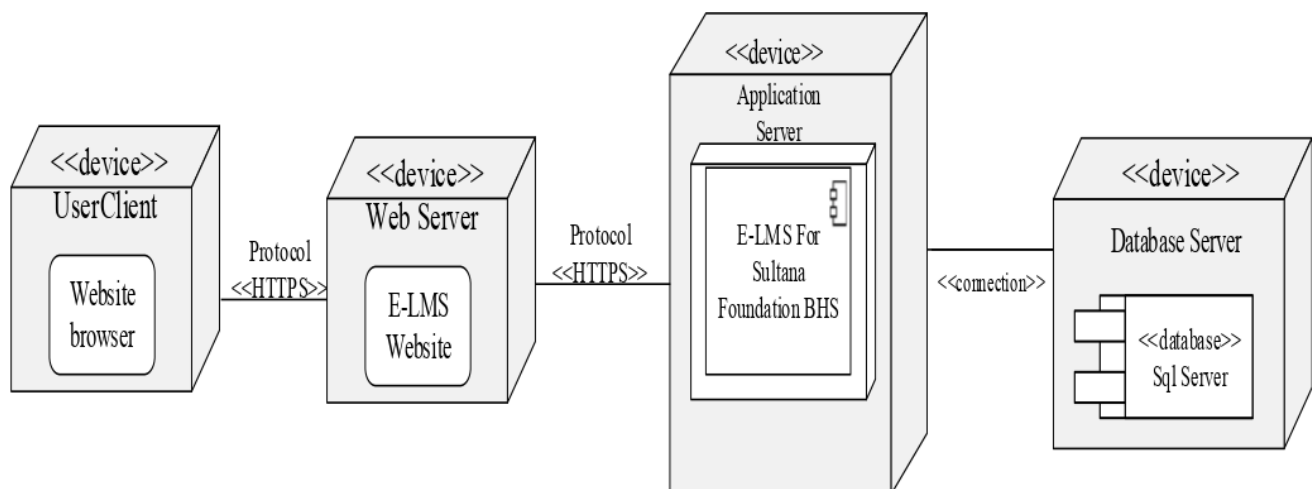


Figure.3.21

8. Architecture Diagram

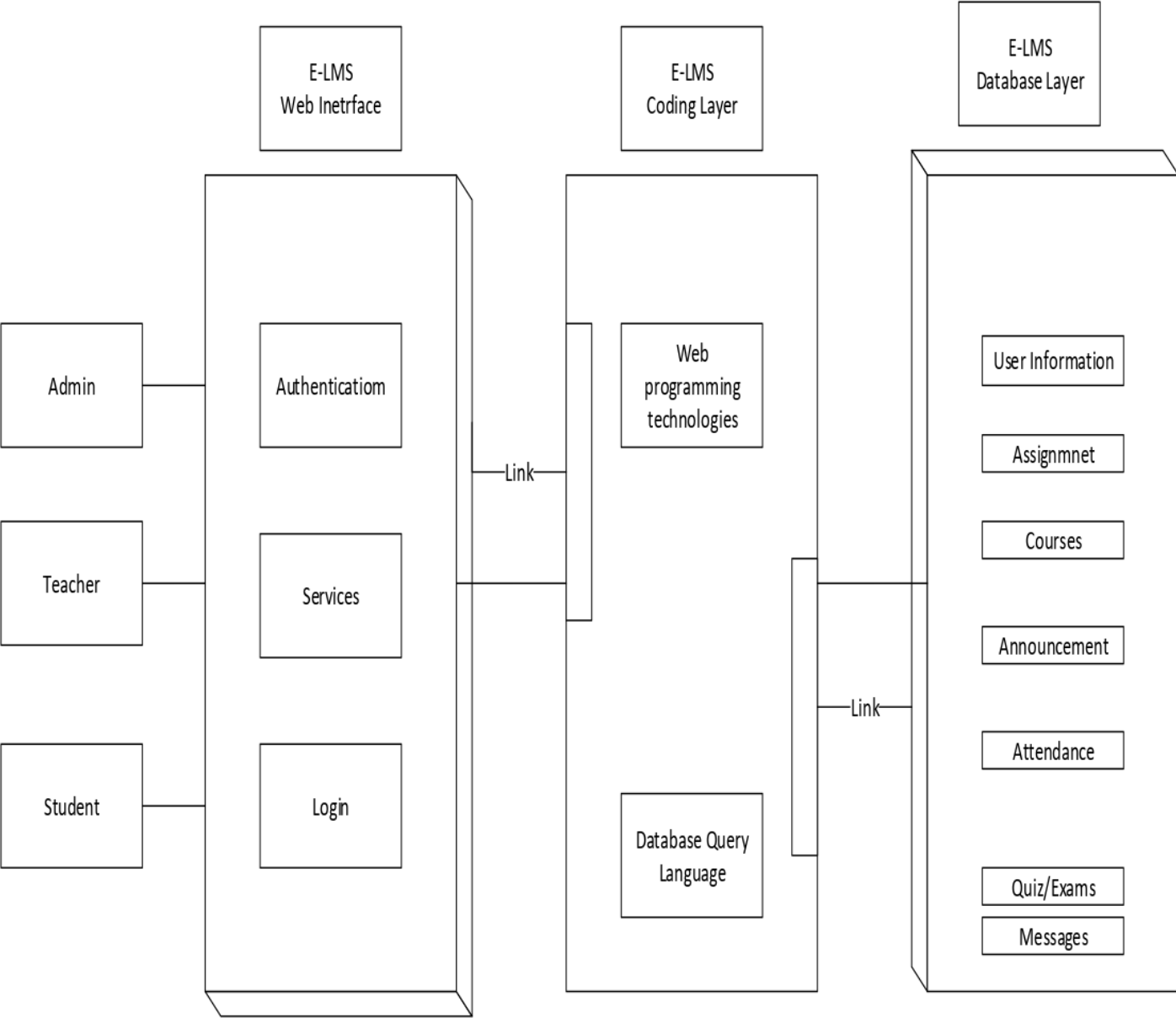


Figure 3.22

9. Component Diagram

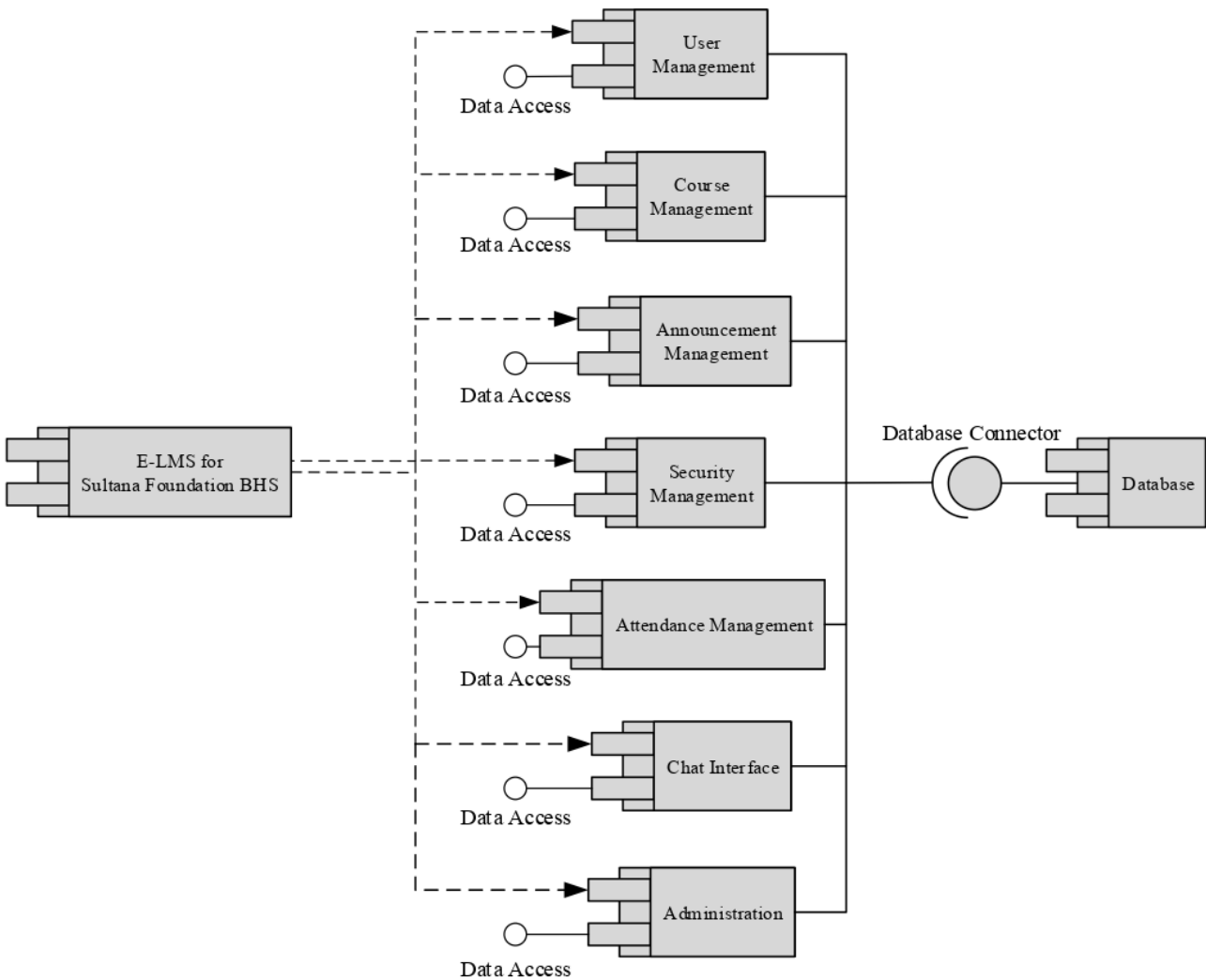


Figure 3.23

