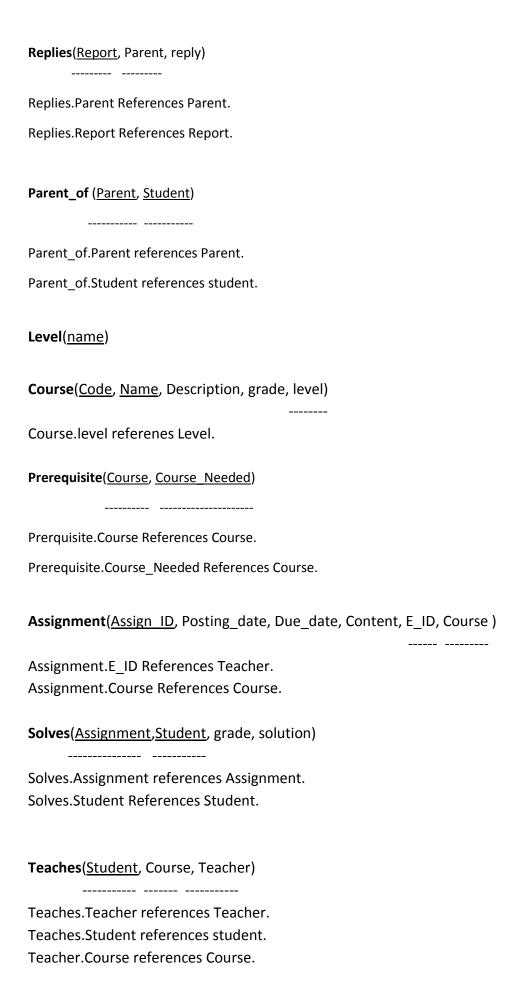**School** (<u>Name</u>, Mission, Fees, Vision, E-mail, Type, Address, General_information,

Main_Language, level)

School_Phone_Number (<u>School</u>, <u>Phone_Number</u>)

School_Phone_Number.School references School.

Elementary (<u>School_name</u>)

Elementary.School_name references School.

Elementary_Supplies(<u>Elementary</u>, Supplies)

Elementary__Supplies.Elementary references Elementary.

Middle (<u>School_name</u>)

Middle.School_name references School.

High (<u>School_name</u>)

High.School_name references School.

Parent (<u>User_name</u>, Password, Address,Home_Number, E-mail, First_Name,
Last_Name)

Parent_Mobile_Number (<u>Parent</u>, <u>Mobile_Number</u>)

Parent_Mobile_Number.Parent references Parent.

Review(<u>Parent</u>,<u>School</u>,review_Text)
           -------- ---------
Review.Parent references parent.
Review.School references School.

Club(Name, School_Name, Purpose)

Club.School_Name references School.

Student(User_Name, name, Password , School, SSN, Gender, Birthdate, age)

Student.School references School.

Student.Club references Club.

Where Student.age = Student.Birthdate – current year.

Joins(Club_Name, Student**)**

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Joins.Club_Name references club .

Joins.Student references Student .

Apply (Parent_user_name, School_name, Student_SSN, Acceptance_Status   **)**

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Apply.Parent_user_name references Parent.

Apply.School_name references School .

Apply..Student_SSN references Student.

School_review(Review_Text, School_Name, Parent_UserName)

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School_review.School_Name references School.

School_review.Parent_UserName references Parent.

Employee(E_id, Address, Salary, Gender, E-mail, First_name, Middle_name ,Last_name, User_name, Password, Birthdate, School_Name)

Employee.School_Name references School.

Administrator(E_ID)

E_ID references Employee .

Act.E_ID references Administrator.

Activity(<u>Act_ID</u>, Location, Date, Type, Equipment, Description)

Join(<u>Student_ssn,Act)</u>
     ------------------- -----
Apply_For.Student_snn References Student.
Apply_For.Act References Activity.

Teacher(<u>E_ID</u>, Experience_Years, Supervisor)
          ------   --------------
Teacher.E_ID references Employee.
Teacher.Supervisor references Teacher.

Assignation(E_ID,E_ID2,<u>Act_ID</u>)
              -------- ------ ---------
Assignation.E_ID references Administrator.
Assignation.E_ID2 references Teacher.
Assignation.Act_ID references Activity.

Rate(<u>E_ID,</u>Parent_User_Name, rating)
        ------- --------------------------
Rate.E_ID References Teacher .
Rate.Parent_User_Name References Parent.

Report(<u>date,</u> Content, Teacher's Comments)

Writes(<u>Report</u>, Teacher, Student)
          ---------- --------- ----------
Writes.Report references Report.
Writes.Teacher references Teacher.
Writes.Student references Student.

Replies(<u>Report</u>, Parent, reply)
        --------- ---------

Replies.Parent References Parent.

Replies.Report References Report.

Parent_of (<u>Parent</u>, <u>Student</u>)

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Parent_of.Parent references Parent.

Parent_of.Student references student.

Level(<u>name</u>)

Course(<u>Code</u>, <u>Name</u>, Description, grade, level)

Course.level referenes Level.

Prerequisite(<u>Course</u>, <u>Course_Needed</u>)

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Prerquisite.Course References Course.

Prerequisite.Course_Needed References Course.

Assignment(<u>Assign_ID</u>, Posting_date, Due_date, Content, E_ID, Course)

                                                            ------ ---------
Assignment.E_ID References Teacher.
Assignment.Course References Course.

Solves(<u>Assignment</u>,<u>Student</u>, grade, solution)
        --------------- -----------
Solves.Assignment references Assignment.
Solves.Student References Student.

Teaches(<u>Student</u>, Course, Teacher)
        ----------- ------- -----------
Teaches.Teacher references Teacher.
Teaches.Student references student.
Teacher.Course references Course.

Enrolled(<u>Student</u>, grade, level)
      ------------   ------
Enrolled.Student references student.
Enrolled.level references level.

Questions(<u>Ques_Num</u>, <u>Course</u>, answer, question)

Questions.course references course

Asks(<u>Question</u>, Student, Course)

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Asks.Question references Question.

Asks.Course references Course.

Asks.Student references Student.

Teaches2(<u>Teacher</u>, Course**)**

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Teaches2.Teacher references Teacher

Teaches2.Course references courses