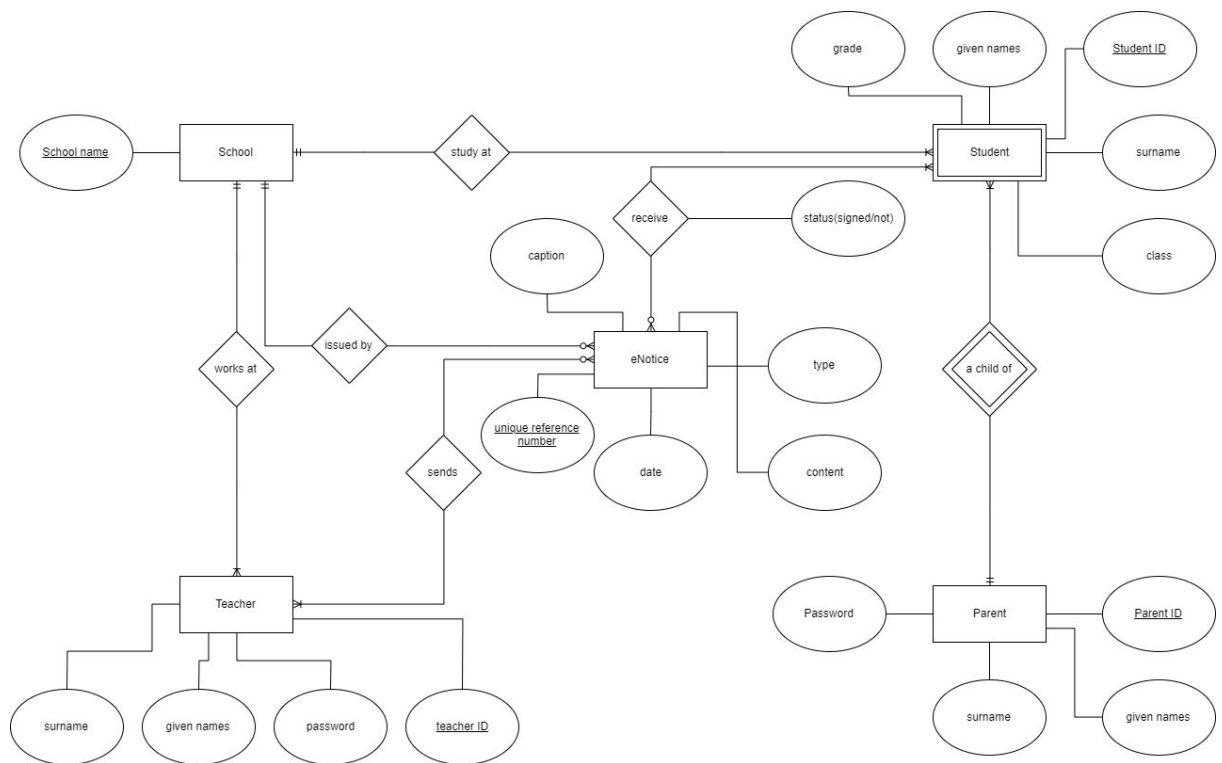


# Assignment 1

## 1. ER Diagram



## 2. Relational Database Schema:

teacher(teacherID, password, given names, surname, **school name**)

- foreign key: {school name} references school
- {school name} should be UNIQUE and NOT NULL

school(school name)

parent(parentID, given names, surname, password, **studentID**)

- foreign key: {studentID} references Student
- {studentID} should be UNIQUE and NOT NULL

eNotice(unique reference number, type, date, caption, content, **school name**)

- foreign key: {school name} references school

student(studentID, given names, surname, grade, class, parentID, **school name**)

- foreign key: {school name} references school
- foreign key: {parentID} references Parent
- {parentID} should be UNIQUE and NOT NULL

receive(**unique reference number**, **studentID**, status)

- foreign key: {unique reference number} references eNotice
- foreign key: {studentID} references Student

- {studentID} and {unique reference number} should be UNIQUE
- sends(teacherID, unique reference number)
- foreign key: {unique reference number} references eNotice
  - foreign key: {teacherID} references Teacher
  - {teacherID} and {unique reference number} should be UNIQUE
- issued by(school name, unique reference number)
- foreign key: {school name} references school
  - foreign key: {unique reference number} references eNotice
  - {school name} and {unique reference number} should be UNIQUE

