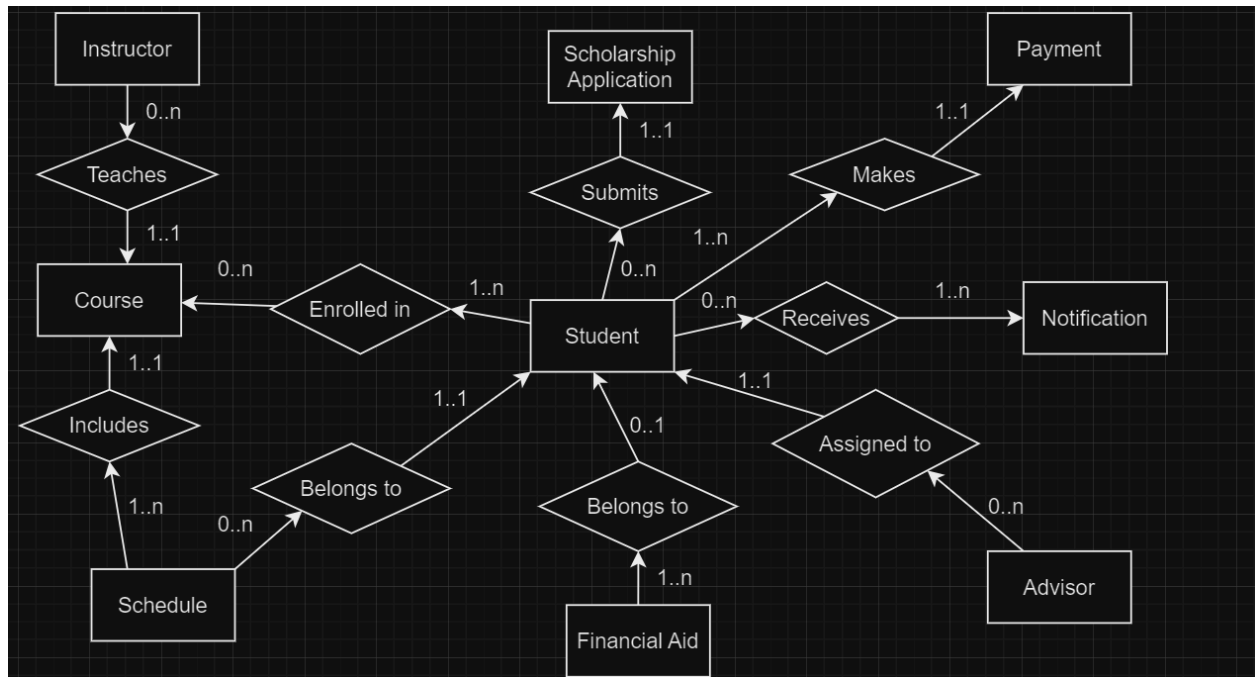


```

classDiagram
    class Instructor {
        - InstructorID: int
        - Name: String
        - officeHours: String
        + assignCourse(Course): void
        + updateOfficeHours(String): void
    }
    class Course {
        - CourseID: int
        - Name: String
        - Credits: int
        - Schedule: String
        + enrollStudent(Student): void
        + assignInstructor(Instructor): void
        + updateSchedule(String): void
    }
    class Schedule {
        - Semester: String
        - ListOfCourses: List<Course>
        + addCourse(Course): void
        + removeCourse(Course): void
    }
    class Student {
        - StudentID: int
        - Name: String
        - Email: String
        - GPA: float
        + applyForScholarship(ScholarShipApplication): void
        + makePayment(Payment): void
        + enrollInCourse(Course): void
        + viewNotifications(): void
    }
    class ScholarshipApplication {
        - ApplicationID: int
        - Status: String
        - Deadline: Date
        + submit(): void
        + updateStatus(String): void
    }
    class FinancialAid {
        - AidID: int
        - Type: String
        - Amount: float
        + awardToStudent(Student): void
        + updateAmount(float): void
    }
    class Payment {
        - Amount: float
        - Date: date
        + processPayment(): void
    }
    class Notification {
        - NotificationID: int
        - Type: String
        - Message: String
        + sendToStudent(Student): void
        + markAsRead(): void
    }
    class Advisor {
        - AdvisorID: int
        - Name: String
        - Department: String
        + adviseStudent(Student): void
        + updateDeparment(String): void
    }

    Instructor "1" -- "1..*" Course : Teaches
    Course "1" -- "1..*" Student : Enrolls in
    Course "1" -- "1" Schedule : Includes course
    Student "0..*" -- "0..*" ScholarshipApplication : Submits application
    Student "1" -- "1" FinancialAid : Submits application
    Student "1..*" -- "1..*" Payment : Student makes payment
    Notification "1" -- "1..*" Student : Sent to student
    Advisor "1" -- "1" Student : Assigned to student
    
```

ER Diagram:



Database Tables:

