# The TS-App

The way for teachers and students to track their lessons, payments, store lessons video and materials, and plan the next classes.

## The backend entities description.

### Organization

The Organization class represents an educational institution that manages teachers and students.

id (Long)

name (String)

address (String)

email (String)

teachers (List<Teacher>)

students (List<Student>)

### Teacher

The Teacher class represents an educator employed by an organization.

id (Long)

name (String)

email (String)

subject (String)

organization (Organization)

plannedLessons (List<Lesson>)

completedLessons (List<Lesson>)

paymentsFromStudents (List<Payment>)

### Student

The Student class represents a learner enrolled in an organization.

id (Long)

name (String)

email (String)

organization (Organization)

plannedLessons (List<Lesson>)

completedLessons (List<Lesson>)

paymentsToTeacher (List<Payment>)

### Lesson

The Lesson class represents a scheduled or completed lesson.

id (Long)

title (String)

startTime (LocalDateTime)

videoUrl (URL)

materialUrl (List<URL>)

teacher (Teacher)

student (Student)

realizationStatus (Boolean) planned or completed

paymentStatus (Boolean)

### Payment

The Payment class represents a payment made for a lesson.

id (Long)

amount (BigInteger)

arrangedDate (LocalDateTime)

paymentDate (LocalDateTime)

student (Student)

lesson (Lesson)