School Master Restful Web API

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# Overview

The restful web API is used to implement a classroom management application.

The classroom management application is intended to be used by teachers to manage their classes, students and grades.

# Use Cases

## Teacher

Can a teacher also be a parent?

### Create Class

Do classes have assignments?

### Delete Class

### Assign Student to Class

### Remove Student from Class

### Grade Student

Are there assignment grades and midterm and final grades? Are there other types of grades, like attendance?

## Student

View Classes

View Grades

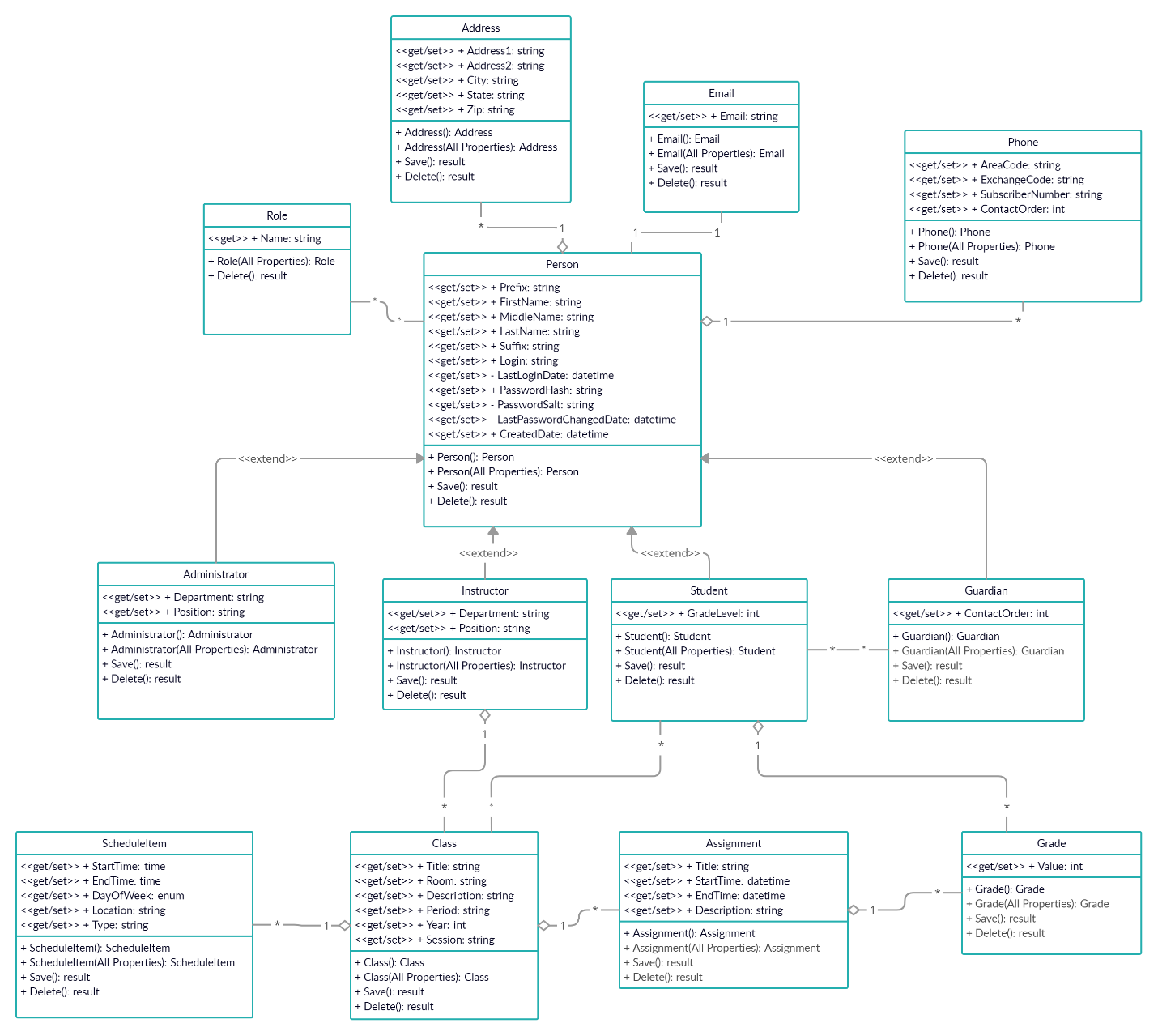
## Parent

View Children (Students)

View Child (Student) Classes

View Child (Student) Grades

# Class Diagrams



# HTTP Endpoints

https://localhost:<port>/v1

## Parent

/parent

### GET

### PUT

### DELETE

## Teacher

/teacher

### GET

### PUT

### DELETE

## Student

/student

### GET

### PUT

### DELETE

## Class

/grade

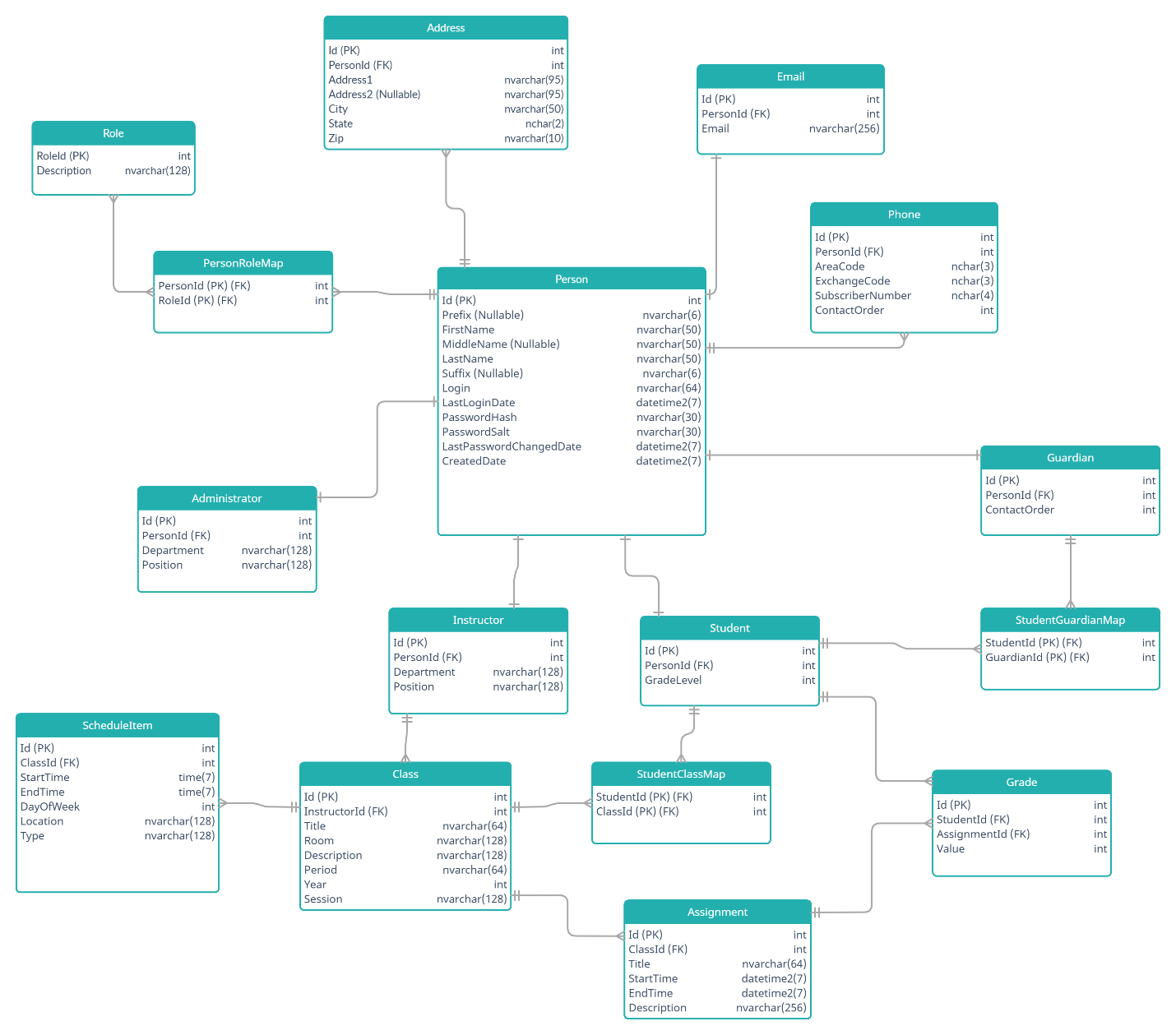
### GET

### PUT

### DELETE

# Data Store

We will be using Microsoft SQL Server 2019 as our data store.



# Useful Links

[creately UML Class Diagrams](https://creately.com/diagram-type/class-diagram)

[creately UML Class Diagrams Tutorial](https://creately.com/blog/diagrams/class-diagram-tutorial/)