School Master Restful Web API

Table of Contents

[Overview 1](#_Toc54504242)

[Use Cases 1](#_Toc54504243)

[Teacher 1](#_Toc54504244)

[Create Class 1](#_Toc54504245)

[Delete Class 1](#_Toc54504246)

[Assign Student to Class 1](#_Toc54504247)

[Remove Student from Class 1](#_Toc54504248)

[Grade Student 1](#_Toc54504249)

[Student 1](#_Toc54504250)

[Parent 1](#_Toc54504251)

[Class Diagrams 2](#_Toc54504252)

[HTTP Endpoints 2](#_Toc54504253)

[Parent 2](#_Toc54504254)

[GET 2](#_Toc54504255)

[PUT 2](#_Toc54504256)

[DELETE 2](#_Toc54504257)

[Teacher 2](#_Toc54504258)

[GET 3](#_Toc54504259)

[PUT 3](#_Toc54504260)

[DELETE 3](#_Toc54504261)

[Student 3](#_Toc54504262)

[GET 3](#_Toc54504263)

[PUT 3](#_Toc54504264)

[DELETE 3](#_Toc54504265)

[Class 3](#_Toc54504266)

[GET 3](#_Toc54504267)

[PUT 3](#_Toc54504268)

[DELETE 3](#_Toc54504269)

[Data Store 3](#_Toc54504270)

[Useful Links 3](#_Toc54504271)

# 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

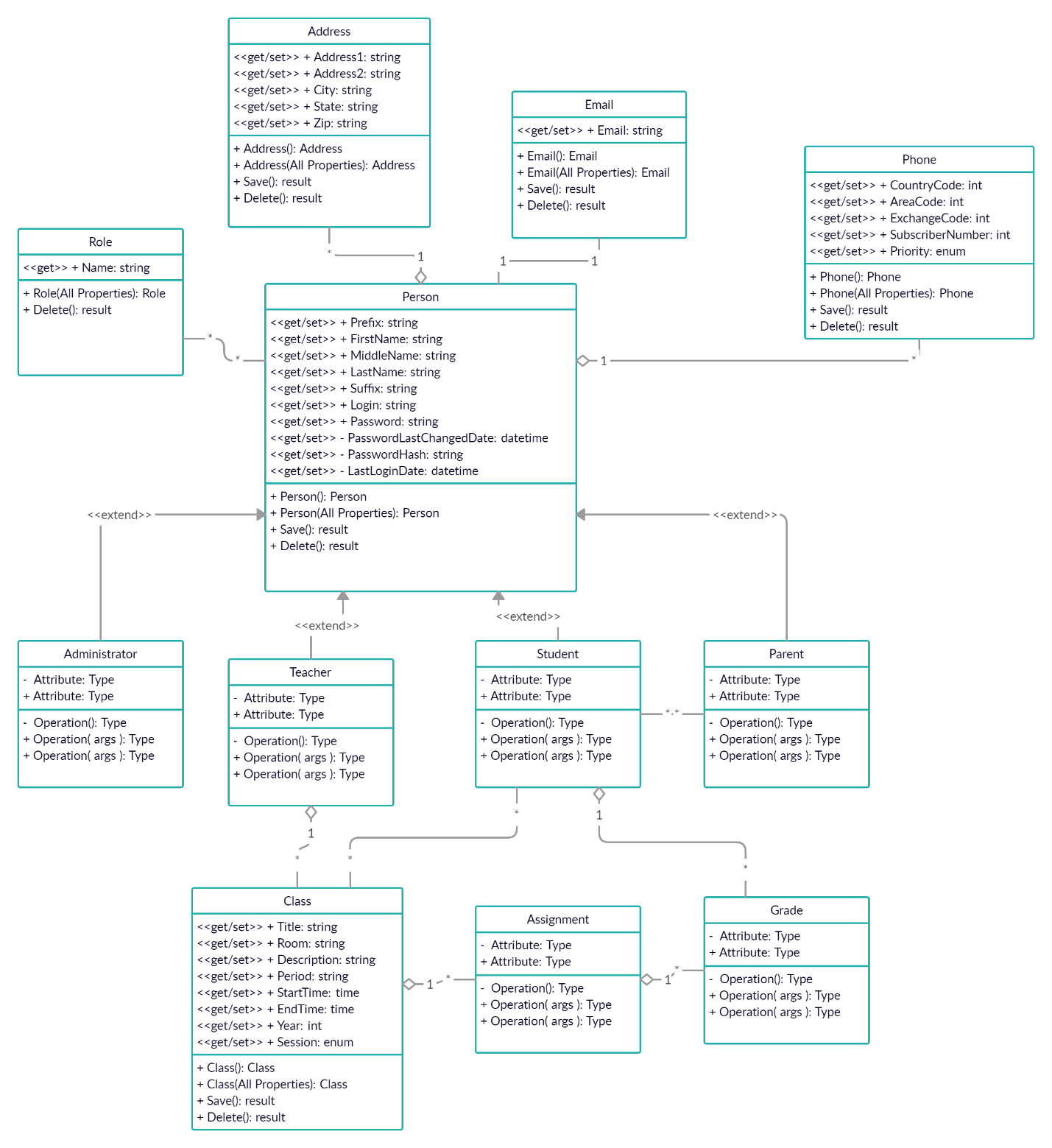
## Parent

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

# 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/)