

# Architecture, Design and Coding Standards - PCTO manager

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**Team 3** - April 10, 2020

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## Revision History

Author	Change Date	Description of changes
L. Lorenzoni	8/04/2020	Initial Release
E. Bonoldi	10/04/2020	Corrections

- [Architecture, Design and Coding Standards - PCTO manager](#)
  - [Introduction](#)
  - [Design](#)
  - [Architecture](#)
    - [Companies](#)
    - [Students](#)
  - [Techonologies](#)

## Introduction

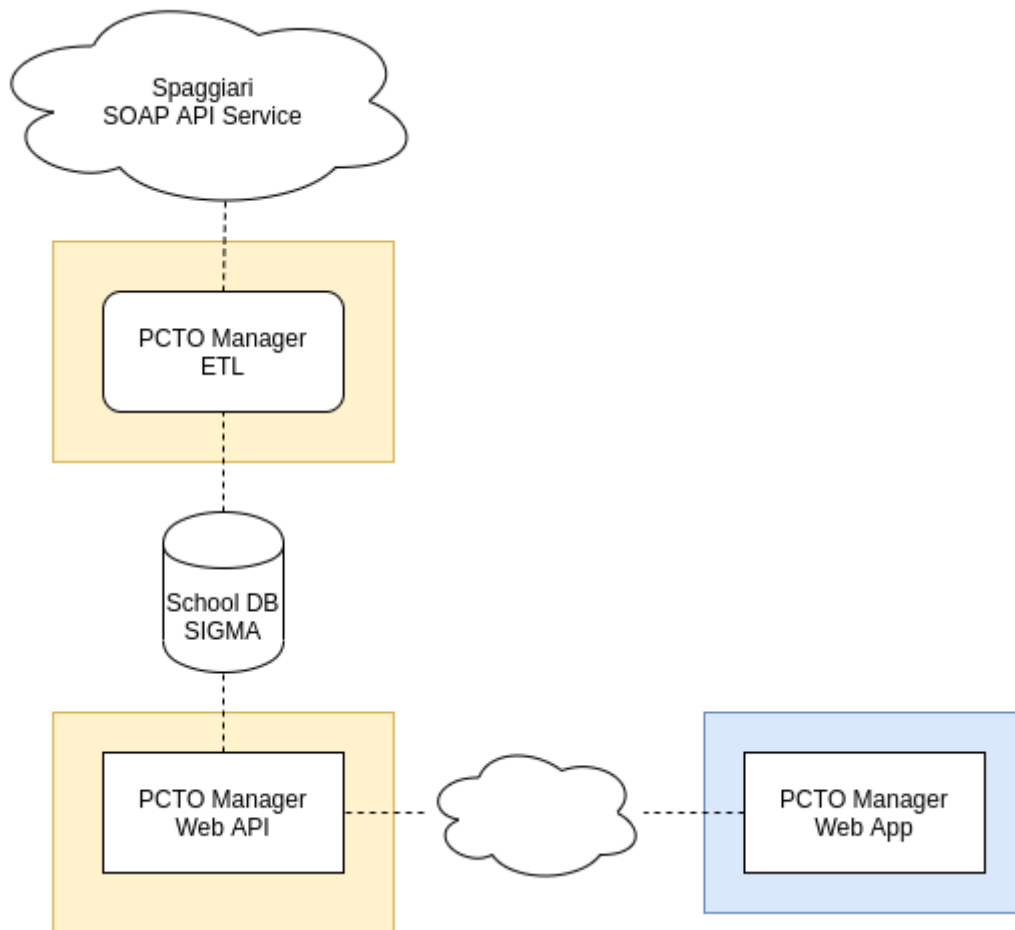
This document describes the architecture and design for the PCTO Manager application. The main goal of this application is to serve a better way to handle the PCTO activity in our school.

## Design

We have to minimize complexity and development effort. All our group works on a single task at a time.

In order to accomplish our project we need to be sure to have the support from school technicians to operate on the DB.

The ideal design is this one.



## Architecture

The main concept is around the relation between **companies** and **students**.

### Companies

Represents the physical company that makes available PCTO activities for students. Are exported via CSV as a copy of PCTO data from Spaggiari.

### Students

Operate PCTO activities within two dates (begin and end) in a certain Company. Already in the school DB.

## Techonologies

We have choose Laravel as ETL/Web API framework (PHP) and React as frontend library. To test our application we used Docker to emulate the school DB and the PHP environment.