RESEARCH PROJECT 2022-2023

Department/Area

Telematics/CompSc

Title/Name

Using APIs to obtain schedule information in JSON format and create calendar files in iCAL format

Abstract/Description

Schedules in Comillas University are created using an commercial optimization tool called Bullet. This tool produces schedules in HTML and PDF format, but neither teachers nor students and load this information into their electronic calendars.

The tool also comes with and API to request information about the schedule, that is returned in JSON format.

The objective of the project is to use the API to obtain schedule information in JSON format, then create an iCAL file that anyone could load into the iPhone Calendar, Outlook or Google calendar.

Prerequisites

Required	Programming skills, mainly in python.
Recommended	Previous experience with JSON and iCAL formats

Supervisor(s)/Tutor(s)

Name(s)	Rafael Palacios
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Structure

Format	Semester (extensive, 15 weeks
Workload	100 hours (4 ECTS)
Students	1