This text describes the functionality of the API, how API’s use cases, and the algorithm for calculating grade averages. It provides users with a clear understanding of how the API will be used and what results it will to show.

* Create a database named store\_student.
* Create tables with using the command “php artisan migrate”.

(Some postman examples are added to “collection.js” file.)

Add Student:

POST/ Add a new student with using the "/studentsCreate" request. The request body should contain the student's name, surname, student number and grades. The API will take the grades entered for each course. Finally, The API will calculate and store the average of that course.

Update Student:

PUT/ Update an existing student with using the "/studentsUpdate" request. Match with using the student's number. In this point, the student's number can be changed with the new student number during the update.

During the update process, the API will take the grades entered for each course. The API will calculate and update the average.

List All Students:

GET/ List all students and their grade averages with using the “/studentsAll” request. Each students name, surname, student number and grade averages for each course will be listed.

The API takes the grades entered for each course, calculates and stores average. When there are multiple entries, it takes the all grades for each course and calculates the average.