Create a Web Application where you specify and implement:

- A record named **StudentList** having the following properties:
    - A dictionary <int, Student> where Student is a class with the following properties:
        - Name
        - Age
        - Nationality
        - Grade
- An endpoint that displays all the students with their different properties' values.
- An endpoint to get the info of a student by passing his id as route parameter. If the student is not found, we should return a problem detail with a customized message in the body of the response.
- An endpoint that adds a new Student to the StudentList and returns the url to this student. Its id is passed as route parameter. Student's info is passed in the http request body. If the id already exists, we should return a problem detail with a customized message.
- An endpoint to modify an existing Student by passing his id as route parameter, and the student's info in the http request body. If the id does not exist, we should return a problem detail with a customized message.
- An endpoint to get the Average of all students.
- An endpoint to return the the Id, name and nationality of all existing students.

Add a filter (validation method should be in a separated class) to the specific endpoint in order to test if the id that will be added is a positive number and less than 1000. Otherwise, we should return a problem with a customized message.

Add a filter (use IEndpointFilter) to the specific endpoints in order to test if the Grade is between 0 and 100. Otherwise, we should return a problem with a customized message.

Test your application using swagger.