CODE TEST

The Imperial College of Technology want to create a system to manage his technical learning program with following requirements.

- Teaching is customized, each student has assigned one teacher only.
- A teacher can have multiple students assigned.
- Program has 10 classes, but teacher can decide to enroll the student with less classes with a minimum of 5.
- Each class has a maximum time to be delivered and an exam must be presented at the end. A digital proof of the answered exam must be attached.
- A supervisor (different to the teacher) reviews the exam and give 1 of 3 results: approved, disapproved, conditional.
- Classes disapproved must be enrolled again.
- Classes conditional must be qualified again with a new exam.
- An exam can be repeated until 3 times before considered disapproved.
- After having all approved classes, results are sent to a coordinator who reviews and presents a general result: approved / disapproved (again and different from the first ones)
- If result is disapproved student must repeat the whole program.

For the solution, you must:

- Write code in Python, django is a plus.
- Data classes/model can be in memory.
- Write a class/service for the CRUD of students (add,list) and a function that assigns a student to a professor.
- Write an algorithm to list and order students by their average scores.
- Write your code in English.
- We encourage you to write some tests.
- A simple readme documentation, and documentation in code is appreciate.
- Avoid using GPT generated code because we can find out.
- Include your assumptions.

- Maximum time: 5 hours
- Send answer to: jcmarino@insightassurance.com