

Classes



Objectives

- Implement complex programs using Python
- Solve problems using abstract data types
- Implement classes and methods
- Develop unit tests
- Use design patterns



Requirements

Continue the development of the application from Seminar06.

1. Make the following changes at the level of class *Student*:
 - The grade becomes a list of grades
 - Add attribute 'group'
2. Make the following changes at the level of class *StudentRepository*:
 - Get the student with the maximum average grade.
 - Get the student with the maximum grade.
 - Get the average grade of the maximum grade of students from the same group.
 - Get the minimum grade of any student from a group.
 - Update the grades of student given the id.
 - Given a student name, return the id(s).
 - Update the group of a student given the id.
 - Delete all grades of a given student.
 - Delete all students from a given group.
 - Delete all students that have no grades.

