

SEMINAR 5

1. OBJECTIVES

- Use inheritance and polymorphism to add an undo/redo functionality.
- Work with smart pointers: `unique_ptr`.

2. PROBLEM STATEMENT

Extend your playlist application such that it offers an **undo/redo** functionality: all the operations performed on the song repository can be undone and redone (add, remove, update). Solve this requirement using an abstract class **Action**. For each different action (add, remove, update) you must create a new class, that inherits from Action (see the UML diagram below).

The Service should be responsible with keeping actions. These will be stored as smart pointers (`unique_ptr`).

3. UML DIAGRAM

