



# PASSWORD GENERATOR

## REFACTORING

### Ultimate C# Masterclass Assignment

#### Overview

Refactor the Password Generator code so it is clean, testable and of high quality.

Refactoring

You can find the **Pwd** class in the **15\_PasswordGenerator** project in the solution attached to the course.

The simplest way to approach this is to follow those steps:

- Understand what the existing code does and how it works. To do that, it may be useful to run the code a couple of times with different arguments and see the results. You can also place some breakpoints to track the execution step-by-step.
- [Optional] Refactor the code to be unit-testable (so mocking the Random class can be done). Remember to follow the Dependency Inversion Principle and use Dependency Injection
- [Optional] Add unit tests
- Perform the main refactoring

If you didn't add unit tests, make sure to test the code manually, to check if it still works as before.