Software testing

Introduction to Test Driven Development - Exercise solutions

Exercise 1:

Create a project called **PasswordTDD** with a class called `PasswordCheck` and a static method called `check` that receives a password (string) as a parameter and checks if this password is valid or not. A password will be valid if:

- It's between 5 and 10 characters
- It contains at least one digit
- It contains at least one lower case letter from a to z
- It contains at least one upper case letter from A to Z

Design the test cases for this method and implement its code applying the TDD aproach.

In this document we are going to design the test cases for this function. A possible test case table could be this one:

Test case	Name	Input	Expected result
TC1	Null	null	false
TC2	TooShort	"Ab1"	false
TC3	TooLong	"aaAbbBccC222"	false
TC4	NoDigits	"abcde"	false
TC5	NoLowerCase	"123ABC"	false
TC6	NoUpperCase	"abc123"	false
TC7	OK	"ab12CD"	true

You have the corresponding project attached to these test cases in the same ZIP file.