# Fundamental Test Process & Test Levels and Types

# Homework

1. Fill in the right term.

2. C \_ \_ \_ \_

3. P \_ \_ \_

4. O \_ \_ \_ \_ \_

1. H \_ \_ \_ \_ \_ \_

5. S \_ \_ \_ \_ \_ \_ \_

7. I \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_

6. S \_ \_ \_ \_

1. Test harness is a collection of software and test data.
2. There are logical and concrete test cases.
3. The results from the planning activities should be documented in a test plan.
4. To predict the test results you use test oracle.
5. The main task of planning is to define test severity.
6. You group the test cases in a test suite.
7. The quantity of tests and the test coverage determine the test infrastructure.

*ps: yes I know it’s with a little bit more letters buti it looked really right*

*(7 positions X 1 point)* ***7 points***

1. Write down the test levels in correspondence with their level. Start with the basic test level at the bottom of the pyramid.

|  |  |
| --- | --- |
| Letter | Test Level |
| A | **Acceptance testing** |
| B | **System testing** |
| C | **Integration testing** |
| D | **Unit/Component testing** |

*Here Is a good link for this levels:* [*Software testing fundamentals*](http://softwaretestingfundamentals.com/software-testing-levels/)

*(4 positions X 1 point)* ***4*** ***points***

1. Below we have some tasks for the testers in a department of a company. According to the activity described in the left column determine the type of the test they are going to perform.

|  |  |
| --- | --- |
| * Test Activity | * Test Type |
| * Open the main menu, go to Invoices and create new Invoice. Check if the invoice is visible in menu Invoice Journal. | Usability testing |
| * Open the application and try logging in with invalid credentials. This test is going to be performed after each daily build. | Security testing |
| * Create a test for logging in the application with legal credentials. Create a test to find how many users can log in simultaneously in the system. | Performance testing |
| * Make the same test that revealed a bug before the last build. The developer set the issue to “fixed”. | Regression testing |
| * Create a unit test for the method AddItem of the class Order. | Functional testing |
| * Open the test used before the last release for exercising the online help option and change the link to the current location of the help info. | Smoke testing |

*(6 positions X 1 point)* ***6 points***

*About this task I’m quite uncertain, please give some feedback.*