# Testing

## What the specification says :-

Testing may occur during different parts of the project and when this has happened it is important that a student clearly reflects this in their project. As part of the testing section it may be appropriate to contain a table of tests performed at different stages of the project and a link to any evidence of this.

It would also be appropriate for a student to perform more traditional testing of the solution at the end of coding where the robustness and completeness of the solution are tested.

The requirement is to provide a **representative sample** of the testing that has happened across the project and not record and evidence every individual test.

## Marking Focus

Testing is an opportunity for the student to demonstrate that their solution works and is robust but it can also provide evidence about the sophistication of the solution.

The testing should focus on the more technically challenging parts of the solution.

Demonstrating that a login system works with a variety of usernames and passwords is good at showing robustness. However, if the main focus is on scheduling parent evening slots and this is not tested then the section would not be showing that all of the core requirements have been achieved.

Having read the testing section of a project the following questions could be considered when marking a project:

• Does the section demonstrate that thorough testing has been carried out?

• Have the core requirements been tested?

• Is there evidence that the more technically challenging parts of the project have been tested?

## Test Plan

What is the purpose of testing?

How do you plan to test your project?

What types of test will be needed?

## Test Table

Note :- Any failed tests, and the expectation is that there are some, should be corrected and then re-tested to show it works.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test No. | Purpose of the test | Test Data | Expected Outcome | Actual Outcome | Changes Needed | Screenshot Proof |
| 1. | Create account |  |  |  |  |  |
| 2 | Login |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |

**ALL of your achieved objectives must be tested to ensure you have met the requirement to fully test the core system.**