Testing

Testing is vitally important to a project.

<https://www.bbc.co.uk/bitesize/guides/z4cg4qt/revision/8>

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| **Test No** | **Description** | **Test Data / Action** | **Test Type** | **Expected Outcome** | **Actual Outcome** | **Action Required** |
| Number of the test carried out | What test is being carried out | What data you will enter or action you will carry out | The type of test being carried out  HCI – User Interface or design, spelling, layout, fonts, colours, etc.  Valid – checking data that should work,  Extreme – data that is at a limit of what should work e.g. if numbers need to be 1-10 test 0,1,10, 11 to make sure that they give the expected resunt  Invalid – data that shouldn’t be allowed e.g. a word when you want a number. No data entered | What should happen | What actually happened | If it works None, otherwise describe what needs to be done |

For failed tests show a retest. An example of this is shown below

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| **Test No** | **Description** | **Test Data / Action** | **Test Type** | **Expected Outcome** | **Actual Outcome** | **Action Required** |
| 1 | Test that the program does not accept a number less than 1 | 0 | Extreme/Invalid | Data is not accepted | Data was accepted | Check logic < on if statement |
| 1A | Test that the program does not accept a number less than 1 | 0 | Extreme/Invalid | Data is not accepted | Data is not accepted | None |

You might want to colour code tasks when they are completed.

Instead of a testing table like the one below you could put a set of tasks into Trello.

# Ongoing Testing During Development

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| **Test No** | **Description** | **Test Data / Action** | **Test Type** | **Expected Outcome** | **Actual Outcome** | **Action Required** |
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# Testing of Final Product

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| **Test No** | **Description** | **Test Data / Action** | **Test Type** | **Expected Outcome** | **Actual Outcome** | **Action Required** |
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# Additional Information

Use this section to show extra information for each test if needed. This could be screenshots of parts of code to highlight what you have tested. You do not need to do this for all tests.

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| **Test No** | **Explanation / Screenshots** |
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