Testing

Testing is vitally important to a project.

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 result  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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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** |
| 1 | Testing to see if link to page 1 (junior uniform) is functional | Click of the box with the link | HCI | Should be redirected to junior uniform page | Redirected to the junior uniform page | none |
| 2 | Testing to see if link to page 2 (senior uniform) is functional | Click of the box with the link | HCI | Should be redirected to senior uniform page | Redirected to the senior uniform page | none |
| 3 | Testing to see if like to page 3 (Shop Location) is functional | Click of the box with the link | HCI | Should be redirected to shop location page | Redirected to the shop location page | none |
| 4 | Testing to see if the link to welcome page(logo) is functional | Click on the image with the link | HCI | Should be redirected to welcome page | Redirected to the welcome page | none |
| 5 | Testing to see if headers on the uniform items line up | Looking at headers for uniform headers | HCI | Headers should line up | Headers uneven | Fix header numbers |
| 6 | Testing to see if fixed headers work | Looking at headers for uniform headers | HCI | Headers should now line up | Headers are in line | none |

# Testing of Final Product

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test No** | **Description** | **Test Data / Action** | **Test Type** | **Expected Outcome** | **Actual Outcome** | **Action Required** |
| 1 | Testing to see if the link to page 1,2,3 (senior, junior uniform and location page) | Clicking links from each page | HCI | All links will be functional and will redirect me to each page | All links work as intended | None |
| 2 | Testing to check that all images load as intended | Looking to see if all images load | HCI | All images will load and be visible | All images loaded as intended | None |
| 3 | Making sure there are no errors in text | Reading to make sure text makes sense | HCI | All text will make sense | Most text made sense. But some text needed small grammar improvements | Some text change to make more sense |