# Test Plan

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| **Test Case No.** | **Type of Test** | **Purpose of Test** | **Expected Outcome** | **Test Data** |
| 1 | Functional | Identify whether the program can log an existing user in. | The program can log an existing user in. | Login credentials  TBD |
| 2 | Functional | Identify whether the program can sign up a new user. | The program can sign up a new user. | Signup credentials  TBD |
| 3 | Functional | Identify whether the program can correctly direct a user to the dashboard (staff or student) | The program can correctly direct a user to the dashboard. | N/A |
| 4 | Accessibility | Identify whether the website is accessible to the visually impaired. | Use screen reader software to effectively navigate the website. | N/A |
| 5 | Accessibility | Identify whether the website is accessible to the visually impaired. | Use a piece of software to alter the colour scheme of the website to mimic colour blindness and effectively navigate the website. | N/A |
| 6 | Functional | To identify whether the links to alternate internal page’s function. | The user can navigate through the various internal pages with ease. | N/A |
| 7 | Functional | To identify whether the links to alternate external page’s function. | The user can navigate to social media sites using links in the footer. | N/A |
| 8 | Functional | Identify whether the program can track student progress. | The program can track student progress and display this to the tutor. | N/A |
| 9 | Functional | Identify whether the program allows the student to access course related material. | The program allows the student to access course related material. | N/A |
| 10 | Functional | Identify whether the program allows the student to access gamified learning relevant to the course. | The program has gamified learning functionality built in. | N/A |
| 11 | Functional | Identify whether a student can sign up to a course using a tutor code. | The program lets the student sign up to a new course using a tutor code. | N/A |
| 12 | Functional | Identify whether a tutor can monitor a student’s progress. | A tutor can track an individual student’s progress. | N/A |
| 13 | Functional | To ensure presence checks return correct Boolean logic. | The presence checks return correct Boolean logic. | N/A |
| 14 | Usability | Identify whether the program is reactive and useable across multiple platforms. | The website can adapt to the size requirements of various monitors. | N/A |

# Test Log

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| **Test Reference:** | 1 | **Name of Tester:** | Ben Moulton | **Date of Test:** | 30/03/2022 |
| **Purpose of Test:** | Identify whether the program can log an existing user in. | | | | |
| **Test Type:** | Functional | | | | |
| **Test Data:** | Login credentials TBD | | | | |
| **Expected Outcome:** | The program can log an existing user in. | | | | |
| **Actual Outcome:** | The program can log an existing user in. | | | | |
| **Pass/Fail/Skipped:** | Pass | | | | |
| **Comments and/or**  **Recommendations:** |  | | | | |
| **Evidence:** | | | | | |
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| **Test Reference:** | 2 | **Name of Tester:** | Ben Moulton | **Date of Test:** | 30/03/2022 |
| **Purpose of Test:** | Identify whether the program can sign up a new user. | | | | |
| **Test Type:** | Functional | | | | |
| **Test Data:** | Signup credentials TBD | | | | |
| **Expected Outcome:** | The program can sign up a new user. | | | | |
| **Actual Outcome:** | The program can sign up a new user. | | | | |
| **Pass/Fail/Skipped:** | Pass | | | | |
| **Comments and/or**  **Recommendations:** |  | | | | |
| **Evidence:** | | | | | |
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| **Test Reference:** | 3 | **Name of Tester:** | Ben Moulton | **Date of Test:** | 30/03/2022 |
| **Purpose of Test:** | Identify whether the program can correctly direct a user to the dashboard (staff or student) | | | | |
| **Test Type:** | Functional | | | | |
| **Test Data:** | N/A | | | | |
| **Expected Outcome:** | The program can correctly direct a user to the dashboard. | | | | |
| **Actual Outcome:** | The program can correctly direct a user to the dashboard. | | | | |
| **Pass/Fail/Skipped:** | Pass | | | | |
| **Comments and/or**  **Recommendations:** |  | | | | |
| **Evidence:** | | | | | |
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| **Test Reference:** | 4 | **Name of Tester:** | Ben Moulton | **Date of Test:** | 30/03/2022 |
| **Purpose of Test:** | Identify whether the website is accessible to the visually impaired. | | | | |
| **Test Type:** | Accessibility | | | | |
| **Test Data:** | N/A | | | | |
| **Expected Outcome:** | Use screen reader software to effectively navigate the website. | | | | |
| **Actual Outcome:** | N/A | | | | |
| **Pass/Fail/Skipped:** | Skipped | | | | |
| **Comments and/or**  **Recommendations:** | Unable to test on machine due to lack of audio output. | | | | |
| **Evidence:** | | | | | |
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| **Test Reference:** | 5 | **Name of Tester:** | Ben Moulton | **Date of Test:** | 30/03/2022 |
| **Purpose of Test:** | Identify whether the website is accessible to the visually impaired. | | | | |
| **Test Type:** | Accessibility | | | | |
| **Test Data:** | N/A | | | | |
| **Expected Outcome:** | Use a piece of software to alter the colour scheme of the website to mimic colour blindness and effectively navigate the website. | | | | |
| **Actual Outcome:** | Easy to effectively navigate the website. | | | | |
| **Pass/Fail/Skipped:** | Pass | | | | |
| **Comments and/or**  **Recommendations:** | Primary colour style in bootstrap is difficult to see on some backgrounds with achromatopia filter applied; consider changing to a lighter colour. | | | | |
| **Evidence:** | | | | | |
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| **Test Reference:** | 6 | **Name of Tester:** | Ben Moulton | **Date of Test:** | 30/03/2022 |
| **Purpose of Test:** | To identify whether the links to alternate internal page’s function. | | | | |
| **Test Type:** | Functional | | | | |
| **Test Data:** | N/A | | | | |
| **Expected Outcome:** | The user can navigate through the various internal pages with ease. | | | | |
| **Actual Outcome:** | The user can navigate through the various internal pages with ease. | | | | |
| **Pass/Fail/Skipped:** | Pass | | | | |
| **Comments and/or**  **Recommendations:** |  | | | | |
| **Evidence:** | | | | | |
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| **Test Reference:** | 7 | **Name of Tester:** | Ben Moulton | **Date of Test:** | 30/03/2022 |
| **Purpose of Test:** | To identify whether the links to alternate external page’s function. | | | | |
| **Test Type:** | Functional | | | | |
| **Test Data:** | N/A | | | | |
| **Expected Outcome:** | The user can navigate to social media sites using links in the footer. | | | | |
| **Actual Outcome:** | The user can navigate to social media sites using links in the footer. | | | | |
| **Pass/Fail/Skipped:** | Pass | | | | |
| **Comments and/or**  **Recommendations:** | As no official profile for Gibjohn tutorials exists, the user is directed to the social media home or login page. | | | | |
| **Evidence:** | | | | | |
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| **Test Reference:** | 8 | **Name of Tester:** | Ben Moulton | **Date of Test:** | 30/03/2022 |
| **Purpose of Test:** | Identify whether the program can track student progress. | | | | |
| **Test Type:** | Functional | | | | |
| **Test Data:** | N/A | | | | |
| **Expected Outcome:** | The program can track student progress | | | | |
| **Actual Outcome:** | The program can track student progress, but requires more back end development to allow students to update this. | | | | |
| **Pass/Fail/Skipped:** | Fail | | | | |
| **Comments and/or**  **Recommendations:** | Make database setup more user friendly and readable. | | | | |
| **Evidence:** | | | | | |
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| **Test Reference:** | 9 | **Name of Tester:** | Ben Moulton | **Date of Test:** |  |
| **Purpose of Test:** | Identify whether the program allows the student to access course related material. | | | | |
| **Test Type:** | Functional | | | | |
| **Test Data:** | N/A | | | | |
| **Expected Outcome:** | The program allows the student to access course related material. | | | | |
| **Actual Outcome:** |  | | | | |
| **Pass/Fail/Skipped:** |  | | | | |
| **Comments and/or**  **Recommendations:** |  | | | | |
| **Evidence:** | | | | | |
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| **Test Reference:** | 10 | **Name of Tester:** | Ben Moulton | **Date of Test:** | 30/03/2022 |
| **Purpose of Test:** | Identify whether the program allows the student to access gamified learning relevant to the course. | | | | |
| **Test Type:** | Functional | | | | |
| **Test Data:** | N/A | | | | |
| **Expected Outcome:** | The program has gamified learning functionality built in. | | | | |
| **Actual Outcome:** | Gamified learning has not yet been implemented. | | | | |
| **Pass/Fail/Skipped:** | Skipped | | | | |
| **Comments and/or**  **Recommendations:** | Unable to include this feature due to the lack of input from Gibjohn Tutorials, no design steps could be made. | | | | |
| **Evidence:** | | | | | |
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| **Test Reference:** | 11 | **Name of Tester:** | Ben Moulton | **Date of Test:** | 30/03/2022 |
| **Purpose of Test:** | Identify whether a student can sign up to a course using a tutor code. | | | | |
| **Test Type:** | Functionality | | | | |
| **Test Data:** | N/A | | | | |
| **Expected Outcome:** | The program lets the student sign up to a new course using a tutor code. | | | | |
| **Actual Outcome:** |  | | | | |
| **Pass/Fail/Skipped:** |  | | | | |
| **Comments and/or**  **Recommendations:** |  | | | | |
| **Evidence:** | | | | | |
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| **Test Reference:** | 12 | **Name of Tester:** | Ben Moulton | **Date of Test:** | 30/03/2022 |
| **Purpose of Test:** | Identify whether a tutor can monitor a student’s progress. | | | | |
| **Test Type:** | Functional | | | | |
| **Test Data:** | N/A | | | | |
| **Expected Outcome:** | A tutor can track an individual student’s progress. | | | | |
| **Actual Outcome:** | The program can track student progress, but requires more back end development to allow students to update this and tutors to view. | | | | |
| **Pass/Fail/Skipped:** | Fail | | | | |
| **Comments and/or**  **Recommendations:** | Implement ability to view student course details beyond the first entry. | | | | |
| **Evidence:** | | | | | |
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| **Test Reference:** | 13 | **Name of Tester:** | Ben Moulton | **Date of Test:** | 30/03/2022 |
| **Purpose of Test:** | To ensure presence checks return correct Boolean logic. | | | | |
| **Test Type:** | Functional | | | | |
| **Test Data:** | N/A | | | | |
| **Expected Outcome:** | The presence checks return correct Boolean logic. | | | | |
| **Actual Outcome:** | The lack of a written presence check prevents the expected check to take place, although the data type within the database prevents null inputs. | | | | |
| **Pass/Fail/Skipped:** | Fail | | | | |
| **Comments and/or**  **Recommendations:** | Add a length and type check to ensure user security when signing up and logging in. | | | | |
| **Evidence:** | | | | | |
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| **Test Reference:** | 14 | **Name of Tester:** | Ben Moulton | **Date of Test:** | 30/03/2022 |
| **Purpose of Test:** | Identify whether the program is reactive and useable across multiple platforms. | | | | |
| **Test Type:** | Useability | | | | |
| **Test Data:** | N/A | | | | |
| **Expected Outcome:** | The website can adapt to the size requirements of various monitors. | | | | |
| **Actual Outcome:** | The website can partially adapt to the size requirements of various monitors. | | | | |
| **Pass/Fail/Skipped:** | Fail | | | | |
| **Comments and/or**  **Recommendations:** | The Program can correctly scale up depending on the size of the monitor, however scaling down cause content overflow and image bugs. | | | | |
| **Evidence:** | | | | | |
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