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| Test Case ID | Test Scenario | Test Case | Pre-Condition | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) |
| TC\_1 | Obtaining the HTML file containing project types | Test the provided function | Connected to the Internet | 1. Run the provided function |  | HTML file containing project types |  |  |
| TC\_2 | Parsing the HTML project file into an ArrayList | Test the provided function |  | 1. Run the provided function with the test data as input | HTML file of the project types | An ArrayList of project types in alphabetical order (PAL) |  |  |
| TC\_3 | Obtaining the HTML file containing language types | Test the provided function | Connected to the Internet | 1. Run the provided function with the test data input separately | Project filter  1. First item in PAL  2. Middle item in PAL  3. Last item in PAL  4. Random item in PAL | 4 total HTML files containing language types |  |  |
| TC\_4 | Testing TC\_3 function | Test the provided function | Connected to the Internet | 1. Run the provided function in TC\_3 with the test data input separately | 1. Item inside PAL  2. Item not inside PAL  3. Random numbers | 1. HTML file  2. Error message  3. Error message |  |  |
| TC\_5 | Parsing the HTML language file into an ArrayList | Test the provided function |  | 1. Run the provided function with the test data input separately | All 4 HTML files of the language types from TC\_3 | 4 ArrayLists of language types in alphabetical order (LAL1,2,3,4) |  |  |
| TC\_6 | Obtaining the HTML file containing timestamps | Test the provided function | 1. Project filter is supplied  2. Connected to the Internet | 1. Run the provided function with the test data input separately | Language filter  1. First item in LAL1  2. Middle item in LAL1  3. Last item in LAL1  4. Random item in LAL1  5. Repeat 1 - 4 by replacing LAL1 with 2,3,4 | 16 total HTML files containing timestamps |  |  |
| TC\_7 | Testing TC\_6 function | Test the provided function | Connected to the Internet | 1. Run the provided function in TC\_6 with the test data input separately | 1. Item inside LAL  2. Item not inside LAL  3. Random numbers | 1. HTML file  2. Error message  3. Error message |  |  |
| TC\_8 | Parsing the HTML timestamp file into an ArrayList | Test the provided function |  | 1. Run the provided function with the test data input separately | All 16 HTML files of the timestamps from TC\_6 | 16 ArrayLists of timestamp in numerical order |  |  |
| TC\_9 | Testing integration between TC\_1 and TC\_2 | Test the provided function | Connected to the Internet | 1. Create a test function to test function TC\_1 and TC\_2 |  | An ArrayList of project types in alphabetical order (PALtest) |  |  |
| TC\_10 | Testing integration between TC\_3 and TC\_5 | Test the provided function | Connected to the Internet | 1. Create a test function to test function TC\_3 and TC\_5 | 1 item inside PALtest | An ArrayList of language types in alphabetical order (LALtest) |  |  |
| TC\_11 | Testing integration between TC\_6 and TC\_8 |  | Connected to the Internet | 1. Create a test function to test function TC\_6 and TC\_8 | 1 item inside LALtest | An ArrayList of timestamp in numerical order |  |  |