**Experiment Test Cases Documentation**

**Introduction**

This document captures the test cases of the experiment.

**Control Flow TestCases:-**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | | Experiment | | | **Test Case ID** | | exp | |  | |
| **Test Case Description** | | Checking control fow | | | **Test Priority** | | High | |  | |
| **Pre-Requisite** | | z-matrix calculation | | | **Post-Requisite** | | NA | |  | |
| Test Execution Steps: | | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | | **Test Browser** | **Test Result** |  |
| 1 | Launch Experiment | | Open header.html | header. Html page opened | | header.  Html page opened | | Chrome | Pass |  |
| 2 | Start Experiment | | Click start the experiment | Navigation bar for selection is displayed | | Navigation bar for selection is displayed | | Chrome | Pass |  |
| 3 | Select wrong atom in the drop-down list | | Click render | Error message shown “Incorrect answer, Try again!” | | Error message shown “Incorrect answer, Try again!” | | Chrome | Pass |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | Change control options | Change space fill radio button | Size of the atoms are changed to fill the container accordingly | Size of the atoms and bonds are changed to fill the container accordingly | Chrome | Pass |  |
| 5 | Change control options | Change wireframe  Radio button | Radii of the bonds are changed accordingly | Radii of the bonds are changed accordingly | Chrome | Pass |  |
| 6 | Change control options | Select spin check box | The molecule rotates | The molecule rotates | Chrome | Pass |  |