Assignment 5 Test plan for iteration 2

**Testing for Morse Code App**

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| Test Case: 1 & 2 | |
| Testing Method: Black box testing | Test Designed by: Viraj Jayasinghe  Test Designed date: 21/05/2017  Test Executed by: Pengcheng Xia  Test Execution date:21/05/2017 |
| Test Priority: Medium |
| Test Title: Test for client side start and pause  Description: Testing whether user can start or terminate the application by click the checkbox ‘Accept signals’ from the client side. | |
| Pre-conditions:  1.Tester should know how to handle the Morse code app and the functioning of it.  2.The motion sensor should be in working condition. I.e. Sensor is correctly connected to the board.  3. The server side of app should be working correctly | |

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| Step  No. | Test case | Expected result | Actual result | Status |
| 1. | Check whether the motion sensor is correctly connected to the board. | Motion sensor should be placed correctly | Motion sensor is connected and working | Pass |
| 2.. | Open the Web client through browser. | Web client should be opened correctly | Web client opened correctly | Pass |
| 3. | Click the checkbox ‘Accept signals’. Then start give motion to the sensor. | Client started showing the incoming Morse code and convert them at the same time. | Incoming Morse code start showing on webpage | Pass |
| 4. | Unclick the checkbox ‘Accept signals’ while giving motions to the sensor. | Client ignores the Morse code even though it detects it in firebase | Nothing new displayed on webpage even though motion is sent to firebase from server. | Pass |

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| Step  No. | Test case | Expected result | Actual result | Status |
| 1. | Open the Web client through browser. | Web client should be opened correctly | Web client opened correctly | Pass |
| 2. | Open the Web client through browser. | Web client should be opened correctly | Web client opened correctly | Pass |
| 3. | Uncheck the checkbox ‘Accept signals’ and click again to check it. Then start give motion to the sensor. | Client started showing the incoming Morse code and convert them at the same time. | Incoming Morse code start showing on webpage | Pass |
| 4. | Keep give motion for 3 minutes. | Morse code and translation should keep going. | Morse code and translation did not terminate. | Pass |

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| Test Case ID: 3&4 | |
| Testing Method: Black box testing | Test Designed by: Viraj Jayasinghe  Test Designed date: 22/05/2017  Test Executed by: Pengcheng Xia  Test Execution date:22/05/2017 |
| Test Priority: High |
| Test Title: Test for punctuation and number.  Description: Test whether the client can convert Morse code into punctuation and numbers correctly. | |
| Pre-conditions:  1.Tester should know how to handle the Morse code app and the functioning of it.  2.The motion sensor should be in working condition. I.e. Sensor is correctly connected to the board.  3. The server side of app should be working correctly | |

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| Step  No. | Test case | Expected result | Actual result | Status |
| 1. | Check whether the motion sensor is correctly connected to the board. | Motion sensor should be placed correctly | Motion sensor is connected and working | Pass |
| 2. | Give motions to the sensor in pattern of ‘SL’,’LLSSLL’,’SLSLSL’,’LSSSL’. (S: short motion, L: long motion) | The output should be ‘a,.=’ | The output is ‘a,.=’ | Pass |

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| Step  No. | Test case | Expected result | Actual result | Status |
| 1. | Check whether the motion sensor is correctly connected to the board. | Motion sensor should be placed correctly | Motion sensor is connected and working | Pass |
| 2. | Give motions to the sensor in pattern of ‘LLLLL’, ‘SLLLL’,’SSLLL’,’LSSS’. (S: short motion, L: long motion) | The output should be ‘012B’ | The output is ‘012B’ | Pass |