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| **Test Case ID** | | 003 | **Test Case Description** | | Test the training program | | | | | | |
| **Created By** | | izzul | **Reviewed By** | | Erick | | **Version** | | 1.0 | | |
|  |  |  |  |  |  |  |  |  |  |  | |
| **QA Tester’s Log** | | Review comments from Bill incorporate in version 2.1 | | | |  |  |  |  |  | |
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| **Tester's Name** | | Erick | **Date Tested** | | 19/08/2022 | | **Test Case (Pass/Fail/Not Executed)** | | Pass | | |
|  |  |  |  |  |  |  |  |  |  |  | |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | | |
| 1 | USB Camera | | |  | 1 |  | | | | | |
| 2 | Python(mediapipe,opencv,tensorflow,scikit,mathplotlib) | | |  | 2 |  | | | | | |
| 3 |  | | |  | 3 |  | | | | | |
| 4 |  | | |  | 4 |  | | | | | |
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| **Test Scenario** | Verify the training program works | | | | | |  |  |  |  | |
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| **Step #** | **Step Details** | | **Expected Results** | | **Actual Results** | | | **Pass / Fail / Not executed / Suspended** | | | |
|
| 1 | Open up keypoint\_classifier\_label.csv and edit your gesture | | Your gesture has been input and shown in the csv file | | As Expected | | | Pass | | |
| 2 | Run the app. Once video output is up, press "k" to enter into the mode to save landmark points, this mode will be displayed as [MODE:Logging Key Point] | | Video is up and running and key logged and logging mode displayed | | As Expected | | | Pass | | | |
| 3 | Record your gesture key points by pressing the key number that corresponds to the index of the gesture in the keypoint\_classifier\_label.csv | | Key logged displayed everytime key is pressed | | As Expected | | | Pass | | | |
| 4 | Once recording is done, close the application and check keypoint.csv under file model and scroll down to check if new index key points have been succesfully recorded | | Keypoints in csv file that corresponds to new index is shown | | As Expected | | | Pass | | | |
| 5 | Launch jupyter notebook | | Jupyter is launced | | As Expected | | | Pass | | | |
| 6 | Change the NUM\_CLASSES in line 3 to the number of classes/gestures you have created in keypoint\_classifier\_label.csv | | Number of classes changed | | As Expected | | | Pass | | | |
| 7 | under the cell tab, press run all | | All is run | | As Expected | | | Pass | | | |
| 8 | Run the app and test if the system recognises the newly added class/gesture | | Video is up and all gestures is recognised | | As Expected | | | Pass | | | |
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