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| Date | 03-Nov-22 |
| Team ID | PNT2022TMID01280 |
| Project Name | Project - Real-Time Communication System Powered by AI for Specially Abled |
| Maximum Marks | 4 marks |

| Test case ID | Feature Type | Component | Test Scenario | Pre-Requisite | Steps To Execute | Test Data | Expected Result | Actual Result | Status | Commnets | BUG ID | Executed By |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ModelTest_001 | Functional | Model | The test dataset is used to test the trained model | The model must be buit | 1. Model must be loaded<br>2. The test image must be fed into the model<br>3. The prediction is validated against actual gesture |  | Prediction must be F | Working as expected | Pass | - | - | Punitha R |
| ModelTest_002 | Functional | Model | The data from user is given as input | The model must be buit | 1. Model must be loaded<br>2. The image of user gesture must be fed into the model<br>3. The prediction is validated against actual gesture |  | Prediction must be I | Not working as expected | Fail | The image apart from test data is not predicted correctly | BUG-0001 | Punitha R |
| ModelTest_003 | Functional | Model | The data from user is given as input | The model must be buit | 1. Model must be loaded<br>2. The image of user gesture must be fed into the model<br>3. The prediction is validated against actual gesture |  | Prediction must be G | Working as expected | Pass | The BUG-0001 is fixed | - | Pavithraa S |
| FlaskApp_001 | UI | Flask App | The URL is given and the Flask application must be opened | The Flask application is built | 1.Enter URL(https://localhost:8080/RTCS_WebApp) and click go | https://localhost:8080/RTCS_WebApp/ | The Flask Application must run and open the index.html page | Working as expected | Pass | The application is opened | - | Dymphna Mary C |
| WebApp_001 | Functional | Web Application | The user must be able to upload gesture image | The web application must be built | 1.Enter URL (https://localhost:8080/RTCS_WebApp) and click go<br>2. The button must be clicked to upload the image. | The image is uploaded | The image must be uploaded and the file must transferred to the Flask back-end | Working as expected | Pass | The image is uploaded | - | Pavithraa S |
| WebApp_002 | Functional | Prediction | The correct prediction is displayed on the screen | The integration of model and webapp must be done | 1.Enter URL (https://localhost:8080/RTCS_WebApp) and click go<br>2. The button must be clicked to upload the image.<br>3. The prediction is displayed | The gesture image that is uploaded | The correct prediction is displayed | Working as expected | Pass | The prediction is displayed | - | Jessica Judith S |