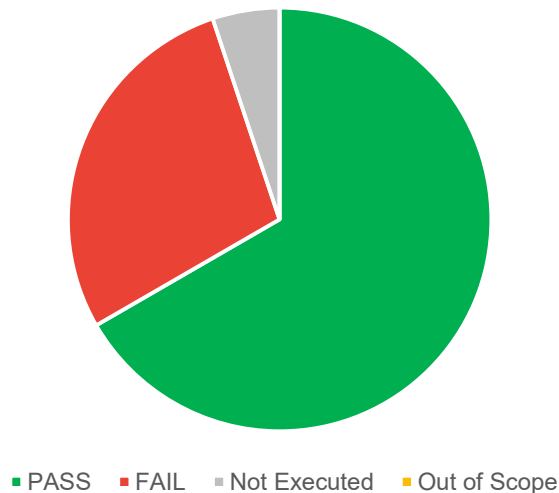


# Software Testing Report

Project Name	Face Recognition & Multi functional Access Control
Client Name	API Solution Ltd
Modul name	Functional & Non-Functional Testing
Prepared by	Rashed Zahan
Reviewed by	Rashed Zahan
Project start date	2-Jul-2023
Version no	V 1.0

Chart of Test Case Report



## TEST EXECUTION REPORT

Test Case	PASS	FAIL	Not Executed	Out of Scope	Total Test Case
Test Cases	26	11	2	0	39
Test Cases	0	0	0	0	0
Grand Total	26	11	2	0	39

Modul Name	Functional & Non-Functional Testing
Reference (Documents)	Developer (Mr. Rizve)
Written by	Rashed Zahan
Executed by	Rashed Zahan
Creation Date	2-Jul-2023

Test Scenario ID	Reference	Test Scenario Description	Priority
TS_001	NA	Validate the application is working smoothly in all browsers.	P0
TS_002	NA	Validate the application is working properly in all operating System.	P0
TS_003	NA	Validate the application is responsive in every browser.	P1
TS_004	NA	Validate the application gets push notification from browser.	P1
TS_005	NA	Validate the browser get access the device camera.	P0
TS_006	NA	Validate the site is recognized a single person face.	P0
TS_007	NA	Validate the site is recognized person properly. (With duration)	P0
TS_008	NA	Validate the working of speaking style functionality	P1
TS_009	NA	Validate the working of "Full Screen" button functionality	P1
TS_010	NA	Validate the working of "User log hide" button functionality (With continuously	P0
TS_011	NA	Validate the working of "Lock Screen" button functionality	P1
TS_012	NA	Validate the working of "Image Upload" button functionality	P1
TS_013	NA	Validate the application enrolment of new user	P0
TS_014	NA	Validate the face detection functionality	P0
TS_015	NA	Validate the face detection circle functionality	P0
TS_016	NA	Validate the application take pictures by the camera	P0

# Registration Test Report

PASS	28
FAIL	11
Not Executed	2
Out of Scope	0
Total	39

Test Case Id	Test Scenario	Test Case Title	Pre-Requisites	Test Steps	Test Data	Expected Result (ER)	Actual Result	Priority	Result	Tested by	Remarks
TC_NF_001	(TS_004) Notification Functionality	Validate the site gets notification from the browser	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter.	NA	1. Application should be open in the browser and proper details should be displayed on the page. 2. User should get push notification from the browser to get access the device camera.	1. Application open in the browser successfully. 2. User got the notification from the browser to get access the camera. (Chrome, Mozilla, Edge, brave, opera)	P1	PASS	R. Rashed Zahan	N/A
TC_NF_002	(TS_004) Notification Functionality	Validate the camera get blocked when select "Block"	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. When notification showed, click the "block" option.	NA	1. Application should stay open and other details should be displayed properly. 2. The device camera should not be working.	1. Application stayed open and other details are displayed properly. 2. The device camera is not working.	P1	PASS	R. Rashed Zahan	N/A
TC_NF_003	(TS_004) Notification Functionality	Validate the camera get open when select "Allow"	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. When notification showed, click the "Allow" option.	NA	1. Application should stay open and the other details should be displayed properly. 2. The device camera should be working properly.	1. Application stayed open and other details are displayed properly. 2. The device camera is working properly.	P1	PASS	R. Rashed Zahan	N/A
TC_SSF_004	(TS_008) Speaking Style Functionality	Validate the application load same language into speaking style.	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Click drop down field of "Choose Speaking Style" to load language.	NA	1. Application should stay open and the other details should be displayed properly. 2. All browsers should be showed all google language.	1. Application stayed open and other details are displayed properly. 2. Browser wise languages are here: Chrome: 22 Firefox: 05 Edge: 308 Opera: 03	P2	FAIL	R. Rashed Zahan	N/A
TC_SSF_005	(TS_008) Speaking Style Functionality	Validate the application by default speaks in US English	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Stand in front of the camera.	NA	1. Application should stay open and the other details should be displayed properly. 2. Application default speaking language should be US English.	1. Application stays open and other details are displayed properly. 2. Browser wise application default speaking language: Chrome: English Firefox: Microsoft David - English (United States) Edge: Microsoft Aneta Online (Natural) - Amharic (Ethiopia) Opera: Microsoft David - English (United States) brave: Microsoft David - English (United States)	P1	FAIL	R. Rashed Zahan	N/A
TC_SSF_006	(TS_008) Speaking Style Functionality	Validate the application speaks as selected language	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera.	NA	1. Application Should stay open and the other details should be displayed properly. 2. Application should speak in selected language.	1. Application stays open and other details are displayed properly. 2. Application only speaks in default language. Language changing is not working.	P1	FAIL	R. Rashed Zahan	
TC_SSF_007	(TS_008) Speaking Style Functionality	Validate the application is speaking a fixed voice	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Stand in front of the camera and wait for voice confirmation.	NA	1. Application Should stay open and the other details should be displayed properly. 2. Application should be speaking a woman voice.	1. Application stays open and other details are displayed properly. 2. Browser wise application speaks voice: Chrome: Woman Firefox: Woman Edge: Man Opera: Man	P3	FAIL	R. Rashed Zahan	
TC_FSF_008	(TS_009) Full Screen Functionality	Validate the Full Screen button working properly	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera.	NA	1. Application should stay open and the other details should be displayed properly. 2. "Full Screen" button should work and drop-down menu should come up with the options "Full Screen, Landscape, Portrait, Custom"	1. Application stays open and other details are displayed properly. 2. "Full Screen" button working properly and drop-down menu come up with options "Landscape, Portrait, Custom"	P3	PASS	R. Rashed Zahan	N/A
TC_FSF_009	(TS_009) Full Screen Functionality	Validate the landscape option working properly	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Click the "Full Screen" drop-down button.	NA	1. Application should stay open and the other details should be displayed properly. 2. "Landscape" option should work properly.	1. Application stays open and other details are displayed properly. 2. "Landscape" option working properly.	P3	PASS	R. Rashed Zahan	N/A
TC_FSF_010	(TS_009) Full Screen Functionality	Validate the portrait option working properly	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Click the "Full Screen" drop-down button.	NA	1. Application should stay open and the other details should be displayed properly. 2. "Portrait" option should work properly.	1. Application stays open and other details are displayed properly. 2. "Portrait" option working properly.	P3	PASS	R. Rashed Zahan	N/A
TC_FSF_011	(TS_009) Full Screen Functionality	Validate the custom size option working properly	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Click the "Full Screen" drop-down button.	NA	1. Application should stay open and the other details should be displayed properly. 2. "Custom size" option should work properly.	1. Application stays open and other details are displayed properly. 2. "Custom size" option working properly.	P3	PASS	R. Rashed Zahan	N/A
TC_ULF_012	(TS_010) User Logs Functionality	Validate the "User Logs Hide" button working properly	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera.	NA	1. Application should stay open and the other details should be displayed properly. 2. "User Logs Hide" option should hide the animated logs from UI.	1. Application stays open and other details are displayed properly. 2. "User logs Hide" button working properly.	P1	PASS	R. Rashed Zahan	N/A
TC_ULF_013	(TS_010) User Logs Functionality	Validate the User Log showing valid and real time information	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Look at the camera to recognize your face. 5. Once the application recognized your face, Then your name, in time and out time will show on the screen. (ER-31)	1. Name: Rashed Zahan 2. Face: Myself	1. User Log should display all users information properly 2. User log showed information Name: Rashed Zahan In time: 08:44:25 AM Out time: 11:56:03 AM	1. User log display all users name, in and out time 2. User log shows the information Name: Rashed Zahan In time: 08:44:25 AM Out time: 11:56:03 AM	P0	PASS	R. Rashed Zahan	N/A
TC_ULF_014	(TS_010) User Logs Functionality	Validate the User Log showing Unique data	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera.	NA	1. User Log should display all users information properly 2. User log should display unique user information	1. User log display all users information properly. 2. User log display duplicate users information.	P2	FAIL	Rashed Zahan	N/A
TC_ULF_015	(TS_010) User Logs Functionality	Validate the user log showing single day data	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera.	NA	1. User Log should display all information properly 2. User log should display single day user's information properly.	1. User log display users's information. 2. User log display back dated informations.	P1	FAIL	Rashed Zahan	N/A
TC_LSF_016	(TS_011) Lock Screen Functionality	Validate the Lock Screen button functionality works properly	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera.	NA	1. Application should display the camera full screen and face recognition working properly.	1. Full screen camera display properly and face recognition working properly.	P0	PASS	Rashed Zahan	N/A

TC_IUF_017	(TS_012) Image Upload Functionality	Validate the Image upload button works properly	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Click "Image Upload" button. (ER-2)	NA	1. Image upload button should work properly. 2. Application should redirect to image upload page.	1. Image upload button work properly. 2. Application redirect to image upload page. (https://demo.api.net.bd/api-access-control/image-upload)	P1	PASS	Rashed Zahan	
TC_IUF_018	(TS_012) Image Upload Functionality	Validate the Image upload functionality works properly	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Click "Image Upload" button. 5. Click "Okay" to keep facing the camera. 6. Click "Capture Photo" button and crop, save the photo.	Employee Name: Rashed Zahan Employee Id:	1. Image upload functionality should work properly and redirect to "API Access Control" page. 2. Picture should be captured and user could do crop, save, crop & save and discard. 3. User wise image should be uploaded.		P0	Not Executed	Rashed Zahan	Development not done.
TC_ENU_019	(TS_013) Enrollment of new user	Validate the enrollment of new user	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera) 3. Make sure the application enough trained by their user.	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Select the "Enroll New Employee" option on the attendance device. 5. Capture the employee's face image for enrollment. 6. Enter the employee's details, such as name and employee ID. 7. Save the enrollment information. 8. Verify that the employee's face and details are successfully stored in the	Employee Name: Rashed Zahan Employee Id:	1. The application should successfully enroll a new employee using face detection.		P0	Not Executed	Rashed Zahan	Development not done.
TC_AF_020	(TS_014) Attendance Functionality	Validate the employee attendance Check-in time	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera) 3. Make sure the application enough trained by their user.	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Display the check-in screen on the attendance device. 5. Employee Ananta stands in front of the device. 6. Verify that the attendance device detects Ananta's face accurately. 7. Confirm the check-in process. 8. Verify that the employee's attendance record is updated with the check-in time.	Employee Name: Ananta Employee Face: Ananta face	1. The attendance device should accurately detect and record an employee's face during check-in.	1. The attendance device accurately detect and record an employee face check-in time.	P0	PASS	Rashed Zahan	
TC_AF_021	(TS_014) Attendance Functionality	Validate the employee attendance Check-out time	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera) 3. Make sure the application enough trained by their user.	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Display face detection screen. 5. Employee Ananta stands in front of the device. 6. Verify that the attendance device detects Ananta's face accurately. 7. Confirm the check-out process. 8. Verify that the employee's attendance record is updated with the check-out time.	Employee Name: Mr. Ananta Employee Face: Mr. Ananta face	1. The attendance device should accurately detect and record an employee's face during check-out.	1. The attendance device accurately detect and record an employee face check-out time.	P0	PASS	Rashed Zahan	
TC_FDF_022	(TS_014) Face Detection Functionality	Validate the application don't detect still photo	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Display face detection screen. 5. Introduce an invalid scenario, such as presenting a photo instead of a real face. 6. Verify that the application rejects the invalid face and prompts the user to try again or take appropriate action.	1. Employee name: Mr. Ananta 2. Employee face: Mr. Ananta's photo from mobile	1. The application should handle still photo detection scenarios appropriately and prompt the user to take corrective action. 2. The application should not accept the user.	1. The application couldn't handle still photo detection scenarios. 2. The application accept the user.	P0	FAIL	Rashed Zahan	
TC_FDF_023	(TS_014) Face Detection Functionality	Validate the duration of face detect of the application	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Display face detection screen. 5. Employee Ananta stands in front of the device. 6. Verify that the application detects Ananta's face accurately.	1. Employee name: Mr. Ananta 2. Employee face: Mr. Ananta's photo from mobile	1. The application should recognize the user. 2. The application should recognize the user face in a very short time.	1. The application recognized the user. 2. Recognize time of application. Chrome: 4 Sec Firefox: 6 Sec Edge: 5 sec Brave: 5 Sec Opera: 6 Sec	P0	PASS	Rashed Zahan	
TC_FDF_024	(TS_014) Face Detection Functionality	Validate the duration of showing a recognized person's name	1. Make sure the device has internet connection. 2. Make sure these browsers are installed. (Chrome, Firefox, Edge, Brave, Opera)	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Display face detection screen. 5. Employee Ananta stands in front of the device. 6. Verify that the application detects Ananta's face accurately.	1. Employee name: Mr. Ananta 2. Employee face: Mr. Ananta's photo from mobile	1. The application should recognize the user. 2. The application should showing the recognized user's name during	1. The application recognized the user. 2. Recognize time of application. Chrome: Firefox: 1.2 Sec Edge: 1 Sec Brave: 1 Sec Opera: 1 Sec	P1	PASS	Rashed Zahan	
TC_FDF_025	(TS_014) Face Detection Functionality	Validate the recognition rate of face detection	1. Make sure the device has internet connection.	1. Open the browser. 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Display face detection screen. 5. Stand in front of the device.	1. Employee name:	1. The application should recognize the user. 2. Recognition rate should be 100 %.	1. The application recognize the user. 2. Recognition rate: 70%-80%	P1	PASS	Rashed Zahan	
TC_FDF_026	(TS_014) Face Detection Functionality	Validate the application recognize a face in low light environment	1. Make sure the device has internet connection.	1. Open the browser. 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Make sure the low light environment. 5. Display face detection screen. 6. Stand in front of the device.	1. Employee Name:	1. The application should recognize the user's face.	1. The application recognize the user's face.	P1	PASS	Rashed Zahan	
TC_FDF_027	(TS_014) Face Detection Functionality	Validate the timing of recognize a face in low light environment	1. Make sure the device has internet connection.	1. Open the browser. 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Make sure the low light environment. 5. Display face detection screen. 6. Stand in front of the device.	1. Employee Name:	1. The application should recognize the user's face within 6 sec.	1. The application recognize the user's face within 10 sec to 29 sec	P1	PASS	Rashed Zahan	
TC_FDF_028	(TS_014) Face Detection Functionality	Validate the application recognize face in high light environment	1. Make sure the device has internet connection.	1. Open the browser. 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Make sure the high light environment. 5. Display face detection screen. 6. Stand in front of the device.	1. Employee Name: Rashed Zahan	1. The application should recognize the user's face. 2. recognition rate should be 100%	1. The application recognize the user's face.	P0	PASS	Rashed Zahan	
TC_FDF_029	(TS_014) Face Detection Functionality	Validate the timing of recognize a face in high light environment	1. Make sure the device has internet connection.	1. Open the browser. 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Make sure the high light environment. 5. Display face detection screen. 6. Stand in front of the device.	1. Employee Name:	1. The application should recognize the user's face.	1. The application recognize the user's face. 2. Timing: 3 sec	P1	PASS	Rashed Zahan	
TC_FDF_030	(TS_014) Face Detection Functionality	Calculate the maximum distance to recognize a face.	1. Make sure the device has internet connection.	1. Open the browser. 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Display face detection screen. 5. Stand in front of the device.	Device: Laptop Brand: Lenovo Processor: Intel Core i5-6200U Camera: laptop camera	1. The application should recognize the user's face. 2. Calculate maximum distance.	1. The application recognize the user face. 2. Maximum distance of face detection: 91.5 cm (36" inches)	P1	PASS	Rashed Zahan	
TC_FDF_031	(TS_014) Face Detection Functionality	Calculate the minimum distance to recognize a face.	1. Make sure the device has internet connection.	1. Open the browser. 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Display face detection screen. 5. Stand in front of the device.	Employee Name: Distance:	1. The application should recognize the user's face. 2. Calculate minimum distance.	1. The application recognize the user face. 2. Minimum distance of face detection: 25.5 cm (10 inches)	P1	PASS	Rashed Zahan	

TC_FDF_032	(TS_014) Face Detection Functionality	Validate the application don't recognize multiple face at a time.	1. Make sure the device has internet connection.	1. Open the browser. 2. Write "https://demo.api.net.bd/api- access-control/" into URL section and press enter. 3. Select the "Allow" option to access the cameras. 4. Display face detection screen. 5. Stand multiple person in front of the device.	Employee Name: 1. Mr. Anarita 2. Mr Rashed	The application should not recognize multiple person.	The application don't recognize multiple person.	P2	PASS	Rashed Zahan
TC_FDF_033	(TS_006) Recognition Functionality	Validate the application recognize a single face	1. Make sure the device has internet connection.	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api- access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Stand in front of the camera and wait for recognition.	NA	1. Application should working properly. 2. The application should recognized the person.	1. The application working properly. 2. The application recognized the person.	P0	PASS	Rashed Zahan
TC_FDF_034	(TS_006) Recognition Functionality	Validate the application don't recognize unregistered person.	1. Make sure the device has internet connection.	1. Open the browser. 2. Write "https://demo.api.net.bd/api- access-control/" into URL section and press enter. 3. Select the "Allow" option to access the cameras. 4. Display face detection screen. 5. An unregistered person will stand in front of the device.	Employee Name: Rashed Zahan (Before register to the application)	1. The application should working properly. 2. The application should not recognize the unregistered person.	1. The application is working properly. 2. When an unregistered person try to detect in this application for long time, the application is misrecognized the person. Misrecognition details, ( Joy - Time: not sure, date: 3 july 2023) ( Mr. Rizve - Time: 12:50 pm, Dtae: 4 july 2023) ( Mr. Khorshed - Time: 01:12 pm, Date: 4 july 2023) ( Mr. Khorshed - Time: 04:40 pm, Dtae: 4 july 2023) ( Mr. Rizve - Time: 4:56 pm, date: 4 july 2023)	P0	FAIL	Rashed Zahan
TC_FDF_035	(TS_006) Recognition Functionality	Validate the application don't repeat same face recognition at a time	1. Make sure the device has internet connection.	1. Open the browser. 2. Write "https://demo.api.net.bd/api- access-control/" into URL section and press enter. 3. Select the "Allow" option to access the cameras. 4. Display face detection screen. 5. Stand in front of the device to detect. 6. Application detect the user	Employee face: Rashed Zahan	1. The application should working properly. 2. The application should not recognize the user repeatedly.	1. The application is working properly. 2. The application recognize the same user repeatedly.	P1	FAIL	Rashed Zahan
TC_CF_036	(TS_015) Circle Functionality	Validate the application don't detect face outside the circle area.	1. Make sure the device has internet connection.	1. Open the browser. 2. Write "https://demo.api.net.bd/api- access-control/" into URL section and press enter. 3. Select the "Allow" option to access the cameras. 4. Display face detection screen. 5. Stand in front of the device and place you face outside of the circle.	Employee face: Rashed Zahan	1. The application should working properly. 2. The application should recognize an user inside of the circle.	1. The application working properly. 2. The application recognize an user inside of the circle.	P0	PASS	Rashed Zahan
TC_CF_037	(TS_015) Circle Functionality	Validate the application don't detect face outside the circle area.	1. Make sure the device has internet connection.	1. Open the browser. 2. Write "https://demo.api.net.bd/api- access-control/" into URL section and press enter. 3. Select the "Allow" option to access the cameras. 4. Display face detection screen. 5. Stand in front of the device and place your face outside of the circle.	Employee face: Rashed Zahan	1. The application should working properly. 2. The application should not recognize an user outside from the circle.	1. The application is working properly. 2. The application don't recognize an user outside from circle.	P0	PASS	Rashed Zahan
TC_CF_038	(TS_003) Responsive Testing	Validate the application is responsive	1. Make sure the device has internet connection.	1. Open the browser. 2. Write "https://demo.api.net.bd/api- access-control/" into URL section and press enter. 3. Select the "Allow" option to access the cameras.	Browser: 1. Chrome 2. Mozilla 3. Edge 4. Brave 5. Opera	1. The application should working properly. 2. The application should responsive.	1. The application is working properly. 2. The application is not responsive enough.	P0	FAIL	Rashed Zahan
TC_CF_039	(TS_016) Camera Functionality	Validate the application take pictures by the camera	1. Make sure the device has internet connection.	1. Open the browser. 2. Write "https://demo.api.net.bd/api- access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Display face detection screen. 5. Stand in front of the device and place your face outside of the circle.	Employee face: Rashed Zahan	1. The application should take photo by the camera. 2. The application should detect the user.	1. The application take screenshot from the display. (Ref. Mr. Rezvi done the unit testing) 2. The application detect the user.	P0	FAIL	Rashed Zahan

Performance report of API request

Function	URL	Description	TC Executed	Users	Min Execution Time	Max Execution Time	Avg. Execution Time	Throughput	TC Passed	TC Fail	Error %	Priority	Remarks
Train the application	NA	Check the application train successfully	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Live server
Sync the application	NA	Check the application Sync successfully	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Live server
Recognize the user	https://k7ch2z3we1.execute-api.ca-central-1.amazonaws.com/prod/APILimited	Check the application detect the user successfully and calculate the error rate	100%	10	5.278	24.693	12.713	0.21188	8	2	20.00%	P0	
			100%	10	5.79	30.168	17.904	0.19146	7	3	30.00%	P0	
			100%	50	6.379	30.43	16.924	0.66082	1	49	98.00%	P0	
			100%	50	6.385	30.35	21.683	0.28216	7	43	86.00%	P0	150 sec
			100%	40	6.824	7.558	7.001	0.16569	40	0	0.00%	P0	200 sec (Wait-1 sec)
			100%	20	11.289	30.377	25.06	0.22235	3	17	85.00%	P0	40 sec (Wait-1 sec)
			100%	20	13.909	30.409	27.903	0.18835	0	20	100.00%	P0	40 sec (Wait-1 sec)
Avg. Error rate:											59.86%		
Frontend request	https://demo.api.net.bd/api-access-control/	Check the frontend API request	100%	500	1.2	1.85	1.057	8.2	500	0	0.00%	P0	60 sec
			100%	550	1.14	1.2	1.039	9.03	550	0	0.00%	P0	60 sec
			100%	570	925	7.254	1.296	27.04	568	2	0.12%	P0	60 sec

**\*Note:** While executed 570 concurrent request, found 2 request got connection timeout and error rate is 0.12%.  
Summary: Server can handle almost concurrent 560 API call with almost zero (0%) error rate.

Bug Report	
TC_SSF_004	
Issue:	The application can't load same language into speaking style.
Reproducing steps	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Click drop down field of "Choose Speaking Style" to Live server
EVN:	Live server
Module	Face Recognition & Access Control
Responsible QA:	Rashed Rahan

Bug Report	
TC_SSF_007	
Issue:	The application is speaking in different voices in different browsers.
Reproducing steps	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Stand in front of the camera and wait for voice
EVN:	Live server
Module	Face Recognition & Access Control
Responsible QA:	Rashed Rahan

Bug Report	
TC_FDF_022	
Issue:	The application can't take proper action on detecting still photo
Reproducing steps	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Display face detection screen. 5. Introduce an invalid scenario, such as presenting a photo instead of a real face. 6. Verify that the application rejects the invalid face and prompts the user to try again or take appropriate action.
EVN:	Live server
Module	Face Recognition & Access Control
Responsible QA:	Rashed Rahan

Bug Report	
TC_CF_038	
Issue:	The application is not responsive
Reproducing steps	1. Open the browser. 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera.
EVN:	Live server
Module	Face Recognition & Access Control
Responsible QA:	Rashed Rahan

Bug Report	
TC_SSF_005	
Issue:	The application speaks in different language in different browsers.
Reproducing steps	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Stand in front of the camera.
EVN:	Live server
Module	Face Recognition & Access Control
Responsil	Rashed Rahan

Bug Report	
TC_ULF_014	
Issue:	The User Log is not showing Unique data.
Reproducing steps	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Check the Userlog.
EVN:	Live server
Module	Face Recognition & Access Control
Responsil	Rashed Rahan

Bug Report	
TC_FDF_034	
Issue:	Sometimes the application recognize unregistered person.
Reproducing steps	1. Open the browser. 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Display face detection screen. 5. An unregistrer person will stand in front of the device.
EVN:	Live server
Module	Face Recognition & Access Control
Responsil	Rashed Rahan

Bug Report	
TC_CF_039	
Issue:	The application can't take pictures by the camera.
Reproducing steps	1. Open the browser. 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Display face detection screen. 5. Stand in front of the device and place you face outside of the circle.
EVN:	Live server
Module	Face Recognition & Access Control
Responsil	Rashed Rahan

Bug Report	
TC_SSF_006	
Issue:	The application dosen't speak as selected language
Reproducing steps	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Click the drop field of "Choose Speaking Style" to Live server
EVN:	Live server
Module	Face Recognition & Access Control
Responsil	Rashed Rahan

Bug Report	
TC_ULF_015	
Issue:	The user log is not showing single day data.
Reproducing steps	1. Open the browser sequentially. (Chrome, Mozilla, Edge, brave, Opera) 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Check the Userlog.
EVN:	Live server
Module	Face Recognition & Access Control
Responsil	Rashed Rahan

Bug Report	
TC_FDF_035	
Issue:	Sometimes the application repeated same face recognition at a time
Reproducing steps	1. Open the browser. 2. Write "https://demo.api.net.bd/api-access-control/" into URL section and press enter. 3. Select the "Allow" option to access the camera. 4. Display face detection screen. 5. Stand in front of the device to detect. 6. Applctaion detect the user.
EVN:	Live server
Module	Face Recognition & Access Control
Responsil	Rashed Rahan