Test case ID	Feature Type	Component
LoginPage_TC_001	Functional	Login Page
LoginPage_TC_002	UI	Login Page
LoginPage_TC_003	Functional	Login Page
LoginPage_TC_004	Functional	Login Page
RegistrationPage_TC_005	Functional	Registration page

RegistrationPage_TC_006	UI	Registration page
RegistrationPage_TC_007	Functional	Registration page
RegistrationPage_TC_008	Functional	Registration page
SMTPEmailService_TC_009	Functional	Registration page

SMTPEmailService_TC_010	Functional	Registration page
Dashboard_TC_011	UI	Landing Page
Dashboard_TC_012	UI	Landing Page
AccountDetails_TC_013	UI	Account Details Page

AccountDetails_ TC_014	Functional	Account Details Page
HelpPage_TC_015	UI	Help Page
GesturePrediction_TC_016	UI	Gesture Prediction Page
GesturePrediction_TC_017	Functional	Gesture Prediction Page

GesturePrediction_TC_0 18	Functional	Gesture Prediction Page
GesturePrediction_TC_0 19	UI	Gesture Prediction Page
GesturePrediction_TC_0 20	Functional	Gesture Prediction Page
GesturePrediction_TC_0 21	Functional	Gesture Prediction Page
GesturePrediction_TC_0 22	Functional	Gesture Prediction Page
GesturePrediction_TC_0 23	Functional	Gesture Prediction Page

GesturePrediction_TC_0 24	Functional	Gesture Prediction Page
GesturePrediction_TC_0 25	Functional	Gesture Prediction Page
SignOut_TC_026	Functional	Landing Page

	Date
	Team ID
	Project Name
	Maximum Marks

Test Scenario	Pre-Requisite
Verify that the user is able to login successfully on entering appropriate credentials.	User must have already been registered.
The UI elements, such as the card for the login, the button to submit etc are functional and are rendered properly in all devices.	User must have already been registered.
Registered users who enter an incorrect password will not be redirected to the landing page.	User must have already been registered.
Unregistered users who attempt to log in to the application will not be redirected to the landing page.	-
Verify user is able to register themselves to the application.	-

The UI elements, such as the card for the registration, the button to submit etc are functional and are rendered properly in all devices.	-
The user should not be able to register successfully if any of the fields are left empty.	
The application should prevent the user from re-registering with the same email ID.	User must have already been registered.
Post successful registration, the user should receive an email from anirudh19015@cse.ssn.edu.in with the user's username and password.	User must have completed the registration process.

The application should check if a user's email ID exists before completing the registration process.	User must have completed the registration process.
The UI part of the dashboard, the side navbar, the sign out option, help page link and gesture prediction link must be functioning and rendered properly	User must have logged in to the application using valid credentials.
The user should be able to view the number of times he/she has logged in to the application as well as when the current session started. The value for all-time logins for new users should be one.	User must have logged in to the application using valid credentials.
The user should be able to modify his/her account details by clicking on the user icon at the bottom-left of the landing page.	User must have logged in to the application using valid credentials.

The application should reject a password change if the new password is the same as the current password.	User must have logged in to the application using valid credentials.
Users who do not know how to use application should be able to navigate to the help page. The UI elements on the help page, like cards and images should be rendered properly.	User must have logged in to the application using valid credentials.
The application should render the UI elements like cards, buttons, checkboxes and file upload features on the gesture prediction page properly.	User must have logged in to the application using valid credentials.
The application should only access the camera if permission is enabled by the user.	User must be on the gesture prediction page.

The application should only begin the gesture recognition process if the user has uploaded an uncorrupted image.	User must be on the gesture prediction page.
The application should open a new window with a live webcam stream. The webcam stream should have a region of interest(ROI) for the user to show various gestures.	User must be on the gesture prediction page. Furthermore, he/she should have enabled camera access and uploaded an image.
Verify that the application is able to recognize gesture zero.	User must be on the gesture prediction page. Furthermore, he/she should have enabled camera access and uploaded an image.
Verify that the application is able to recognize gesture one.	User must be on the gesture prediction page. Furthermore, he/she should have enabled camera access and uploaded an image.
Verify that the application is able to recognize gesture two.	User must be on the gesture prediction page. Furthermore, he/she should have enabled camera access and uploaded an image.
Verify that the application is able to recognize gesture three.	User must be on the gesture prediction page. Furthermore, he/she should have enabled camera access and uploaded an image.

Verify that the application is able to recognize gesture four.	User must be on the gesture prediction page. Furthermore, he/she should have enabled camera access and uploaded an image.
Verify that the application is able to recognize gesture five.	User must be on the gesture prediction page. Furthermore, he/she should have enabled camera access and uploaded an image.
Verify that the user is able to log out of the application.	User must be logged into the application and on the landing page.

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Steps To Execute	Test Data
1. Enter the URL for the Application. 2. Click on the existing user option. 3. Enter the credentials for logging in.	Email ID: ani07.anand@gmail.com Password: 123
1. Enter the URL for the Application. 2. Click on the Sign In option. 3. The following UI elements must be found: a. Card for Login b. Link to the registration page c. Textbox for email ID d. Textbox for password e. Submit button	N/A
1. Enter the URL for the Application. 2. Click on the existing user option. 3. Enter the credentials for logging in.	Email ID ani07.anand@gmail.com Password: 123123123
1. Enter the URL for the Application. 2. Click on the existing user option. 3. Enter some invalid credentials.	Email ID: newuser@gmail.com Password: 1234
1. Enter the URL for the application. 2. Enter the following details: a. Email ID b. Username c. Actual Name d. Password e. Confirm Password	Email ID: test@gmail.com Username: tester Name: Anirudh Password: 123! Confirm password: 123!

1. Enter the URL for the Application. 2. Click on the sign up option. 3. The following UI elements must be found: a. Card for Registration b. Textbox for email ID c. Textbox for username d. Textbox for actual name e. Textbox for password d. Textbox for confirm password e. Go back to home page button submit button	N/A
1. Enter the URL for the Application. 2. Click on the sign up option. 3. If any of the fields are empty then the application should prompt the user to enter a valid input for those fields.	Email ID: test@gmail.com Username: tester Name: Password: 123! Confirm password: 123!
1. Enter the URL for the Application. 2. Click on the sign up option. 3. Enter an email ID that is already in the user database.	Email ID: ani07.anand@gmail.com Username: tester Name: Password: 123! Confirm password: 123!
1. Enter the URL for the Application. 2. Click on the sign up option. 3. Enter valid inputs for the following: b. email ID c. username d. actual name e. password d. confirm password	Email ID: test@gmail.com Username: tester Name: Anirudh Password: 123! Confirm password: 123!

1. Enter the URL for the Application. 2. Click on the sign up option. 3. Enter valid inputs for the following: b. email ID c. username d. actual name e. password d. confirm password	Email ID: notvalid@gmail.com Username: tester Name: Anirudh Password: 123! Confirm password: 123!
1. Enter the URL for the application. 2. Login to with user credentials. 3. View the dashboard.	Email ID: ani07.anand@gmail.com password: 123
1. Enter the URL for the application. 2. Login to with user credentials. 3. View the dashboard.	Email ID: ani07.anand@gmail.com password: 123
1. Enter the URL for the application. 2. Login to with user credentials. 3. View the dashboard. 4. Click on the user icon at the bottom of the page. 5. The following UI elements must be found: a. Password change card b. Textbox for new password c. Textbox for confirming password	Email ID: ani07.anand@gmail.com password: 123

1. Enter the URL for the application. 2. Login to with user credentials. 3. View the dashboard. 4. Click on the user icon at the bottom of the page. 5. Enter the current password in the text box.	New password: 123 Confirm password: 123
1. Enter the URL for the application. 2. Login to with user credentials. 3. View the dashboard. 4. Click on the 'Get to know about the application' button on the landing page or the 'Help' button on the side navbar.	Email ID: ani07.anand@gmail.com password: 123
1. Enter the URL for the application. 2. Login to with user credentials. 3. View the dashboard. 4. Click on the gesture prediction button on the side navbar.	Email ID: ani07.anand@gmail.com password: 123
1. Log in and view the dashboard. 2. Go to the gesture prediction page.	-

1. Log in and view the dashboard. 2. Go to the gesture prediction page.	-
1. Navigate to the gesture prediction page. 2. Upload an image and enable camera access.	The user should be able to access his local system and upload and image.
1. Navigate to the gesture prediction page. 2. Upload an image and enable camera access.	The user should be able to access his local system and upload and image.
1. Navigate to the gesture prediction page. 2. Upload an image and enable camera access.	The user should be able to access his local system and upload and image.
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1. Navigate to the gesture prediction page. 2. Upload an image and enable camera access.	The user should be able to access his local system and upload and image.
1. Navigate to the gesture prediction page. 2. Upload an image and enable camera access.	The user should be able to access his local system and upload and image.
1. Click on the sign out button on the side navbar.	-

Expected Result	Actual Result	Status	Comments
User should be able to submit the login request and be redirected to the landing page.	Working as expected	Pass	
The following UI elements should be rendered properly on the device: a. Card for Login b. Link to the registration page c. Textbox for email ID d. Textbox for password e. Submit button	Working as expected	Pass	
User should not be redirected to the landing page. The application should prompt the user to enter the correct password.	Working as expected	Pass	
User should not be redirected to the landing page. The application should prompt the user to register.	Working as expected	Pass	
User should be directed to the landing page.	Working as expected	Pass	

The application should show below UI elements: a. Card for Registration b. Textbox for email ID c. Textbox for username d. Textbox for actual name e. Textbox for password d. Textbox for confirm password e. Go back to home page button f. Submit button	Working as expected	Pass	
User is not able to register.	Working as expected	Pass	
User is not able to register.	Working as expected	Pass	
User receives the mail from anirudh19015@cse.ssn.edu.in.	Working as expected	Pass	

The application prompts the user to enter a valid email ID.	The application attempts to send an email to an invalid address	Failed	
Application should show below UI elements: a. Side navbar b. Help page button c. Gesture prediction button d. Sign out button	Working as expected	Pass	
The application should show the below details: a. Number of times the user has accessed the application b. Date and time when the current session started.	Working as expected	Pass	
The application should render the following UI elements: a. Password change card b. Textbox for new password c. Textbox for confirming password	Working as expected	Pass	

The application should prompt the user to enter a password that is different from the new password.	Working as expected	Failed	
The following UI elements should be rendered properly on the device: a. Help cards b. Supporting images	Working as expected	Pass	
The following UI elements should be rendered properly on the device: a. Gesture Prediction card b. Camera access checkbox c. File upload button d. Predict button	Working as expected	Pass	
The application should prompt the user to enable camera access.	Working as expected	Pass	

The application should prompt the user to upload a valid image.	Working as expected	Pass	
The application should open a new window with a ROI for the user to show various hand gestures.	Working as expected	Pass	
The application should be able to recognize gesture zero and modify the image accordingly (fixed rectangle)	Working as expected	Pass	
The application should be able to recognize gesture one and modify the image accordingly (fixed resizing I)	Working as expected	Pass	
The application should be able to recognize gesture two and modify the image accordingly (rotation)	Working as expected	Pass	
The application should be able to recognize gesture one and modify the image accordingly (blur)	Working as expected	Pass	

The application should be able to recognize gesture four and modify the image accordingly (fixed rescaling II)	Working as expected	Pass	
The application should be able to recognize gesture five and modify the image accordingly (grayscale)	Working as expected	Pass	
The application should redirect the user to the sign in page and remove the session details.	Working as expected	Pass	

TC for Automation(Y/N)	BUG ID	Executed By
		Darunya S
		Nagul Pranav V S
		Nidharshini M
		Madhu Mitha K P
		Nagul Pranav V S

		Darunya S
		Madhu Mitha K P
		Nidharshini M
		Nagul Pranav V S

	B01	Darunya S
		Nagul Pranav V S
		Nidharshini M
		Madhu Mitha K P

	B02	Nidharshini M
		Nagul Pranav V S
		Nagul Pranav V S
		Darunya S

		Darunya S
		Nagul Pranav V S
		Nidharshini M
		Madhu Mitha K P
		Darunya S
		Nidharshini M

		Nagul Pranav V S
		Nidharshini M
		Darunya S