Test ID	Story ID	Test Scenario	Test Case	Test Steps	Test Data	Expected Result	Actual Result	Pass/Fail
TC_MS1_01	MS_1	only Upload Picture	Verify Successful Upload of JPG Image	1. Navigate to the picture upload feature. 2.Select a JPG image file to upload. 3.Click on the upload button.	JPG File	The JPG image is uploaded successfully.	Image is sucessfully passed to the CNN model	pass
TC_MS1_02	MS_1	only Upload Picture	Verify Successful Upload of PNG Image	1. Navigate to the picture upload feature. 2.Select a PNG image file to upload. 3.Click on the upload button.	PNG File	The PNG image is uploaded successfully.	Image is sucessfully passed to the CNN model	pass
TC_MS2_01	MS_2	Analyze Uploaded Picture	Verify Mood Analysis for Uploaded Picture	1. Upload a picture representing a known mood (e.g., happy, sad). 2.Allow the system to analyze the uploaded picture.	JPG/PNG File	The system accurately determines the mood of the uploaded picture.	Model Predicts accurately	pass
TC_MS3_01	MS_3	View Predicted Mood	Verify Display of Predicted Mood	1.Upload a picture representing a known mood (e.g., happy, sad). 2. Check the predicted mood displayed on the screen.	JPG/PNG File	The predicted mood is displayed accurately and visually represented (e.g., emoticon).	Model Predicts accurately and displays the result in	pass
TC_MS6_01	MS_6	Navigate Application Easily	Verify Clear Navigation Menus	1. Navigate through different sections of the application.	Navigation with Mobile/Desktop	Navigation menus and buttons are clear and intuitive.	Navigation buttons are working	pass
TC_MS7_01	MS_7	Ensure Responsive Design	Verify Application Responsiveness on Desktop	1. Access the application from a desktop device. 2. Resize the browser window.	Desktop Browser Testing	The application adapts smoothly to different screen sizes on desktop devices.	Can clearly able to navigate and see the results	pass
TC_MS7_02	MS_7	Ensure Responsive Design	Verify Application Responsiveness on Mobile	Access the application from a mobile device.	Mobile Device Testing	The application adapts smoothly to different screen sizes on mobile devices.	Can clearly able to navigate and see the results	pass
TC_MS12_01	MS_12	Sort Recommended Songs Based on Criteria	Verify Sorting by Popularity	1. Check the order of the recommended songs. 2. Check the sorting option for popularity from the available criteria.	Sort by Popularity	The recommended songs are sorted based on their popularity ratings.	Can see the List of songs based on popularity	pass
TC_MS16_01	MS_16	Access External Links for Recommended Songs	Verify Access to External Links	1. Click on a recommended song. 2. Check for the presence of external links associated with the song.	External Link Functionality	External links for additional information about the song are accessible.	Can be taken to the external application	pass
TC_MS22_01	MS_22	Display Mood Category with Recommended Songs	Verify Mood Category Displayed with Each Recommended Song	1.Navigate to the section displaying recommended songs. 2.Check if each song entry includes the corresponding mood category.	Verify Mood Category Displayed	Each recommended song entry displays the mood category it belongs to.	Can see the Mood of the displayed song	pass
TC_MS23_01	MS_23	Verify recommendations based on user's current mood without logging in.	Recommendations for Anonymous Users	1. Open the application without logging into any user account. 2.Locate the mood Status feature on the homepage. 3.Click on the upload button to upload your image and check the recommendations	Navigating without entering logging information to upload the picture	The application should successfully recommend songs based on the selected mood, even for anonymous users.	Uploaded Image is sucessfully passed to the CNN model and getting the recommendation.	pass
TC_MS17_01	MS_17	Verify the ability to clear mood selection(Remove Button) and start over.	Clearing Mood Selection	1.Navigate to the mood Status feature within the application. 2.Upload your image and get the recommendations. 3.Click on the Remove button to clear the Recommendations to start over.	Navigate to the Mood Status Feature to find the Remove button	The selected mood should be cleared, allowing the user to choose a new mood for song recommendations.	Recommendations are sucessfully cleared.	pass
TC_MS24_01	MS_24	Verify uploaded pictures are stored for future reference.	Storing Uploaded Pictures	1.Navigate to the mood Status feature within the application. 2.Upload your image and get the recommendations. 3.Check for the pop up Image uploaded to FireStore	JPG/PNG File	The uploaded pictures should be Stored in DB and accessible after logging out and logging back into the application.	Can Access the image from DB	pass
TC_MS12_01	MS_12	Verify sorting of recommended songs based on popularity.	Sorted Recommended Songs	Check if the Recommended Songs are Displayed in Assending order with our DataSet.	List of Recommended Songs	Songs being displayed in assending order	Navigation buttons are working	pass
TC_MS11_01	MS_11	Verify access to additional information about recommended songs.	Accessing Song Information	1.Choose a recommended song from the list. 2.Look for option(i) to access additional information (e.g., artist details, album info).	Recommended songs.	The application should provide more information about the selected song upon clicking the option(i).	Can clearly able to see addition information from initial results.	pass
TC_MS20_01	MS_20	Verify clarity of instructions and guidance within the application.	Checking Instructions	Navigate to home and click on the option User Guide.	User interaction with the application.	The application should offer User instructions and guide on using its features effectively.	Can clearly able to navigate and see the results	pass
TC_MS21_01	MS_21	Verify display of loading indicators during mood analysis and song retrieval.	Displaying Loading Indicators	1.Trigger the mood analysis or song retrieval proces by uploading an image. 2.Observe the application interface for loading indicators or progress bars. 3.Monitor the progress until the analysis or retrieval is complete.	JPG/PNG File	The application should visually indicate progress with loading indicators during data processing.	Can see the Loading indicator untill it fetches the songs.	pass
TC_MS8_01	MS_8	Verify the functionality to search for specific songs or artists.	Searching for Songs and Artists	1.Access the search feature within the application. 2. Enter a song title or artist name in the search bar,Submit the search query to check results	Song titles, artist names.	The application should return accurate search results based on the entered query if it is in the DataBase.	Should show the respective songs based on the search and the exisistance of the data.	pass
TC_MS5_01	MS_5	Verify the ability to save liked songs to a playlist.	Saving Liked Songs in the recommendation.	1.Select a song from the recommended list. 2.Locate the option(+) to add the liked song to a playlist. 3.Choose a playlist to add the song or create one and confirm that the song has been successfully saved to the playlist.	Liked songs, playlist creation.	The selected song should be saved and accessible within the designated playlist.	Can see the Song in the respective playlist	pass
TC_MS10_01	MS_10	Verify the creation and customization of multiple playlists.	Creating Custom Playlists	1.Navigate to the playlist section and Check for the delete option on the existing playlist. 2.Select a song from the recommended list and create multiple playlists.	Playlist names	The application should allow the user to create and delete multiple playlists based on different moods or occasions.	Can be able to delete and create multiple playlists.	pass
TC_MS15_01	MS_15	Verify the ability to provide feedback or report issues on application	Providing Feedback or reporting an issue	1.Locate the report option on the home page. 2.Click on the Report and write your issue and click on the submit button.	Song recommendation feedback, issue reporting.	The application should accept users input and send an email to the development mail address.	Take the submitted and send an email to the applications email ID.	pass