| **Test Specification ID :** SOI-2021-2120-0019  **Name of Tester :** Daniel, Elly, Izharfan, Natasha  **Use Case ID :** 0010  **Date of Test :** 29 January 2022  **Description of Test :** Testing the Automated Car Recognition System Web App | | | | |
| --- | --- | --- | --- | --- |
| **S/No** | **Test Case** | **Expected Result** | **Pass/ Fail** | **Remarks** |
| **ACRS Home (Public users)** | | | | |
|  | Test to see if the public users are able to access the home page of ACRS which will display the menu bar and calendar with all the events types. | * + Public users are able to view the menu bar, calendars with event types. | Pass |  |
|  | Test to see if the public users are able to click on the Blue highlighted event which will bring the user to a new tab and display “Event Title”, “Event Date and Time” and “Event Description”. | * + Public users are able to click the blue highlighted event and display “Event Title”, “Event Date and Time” and “Event Description” on a new tab. | Pass |  |
|  | Test to see if the public users are able to click on the Red highlighted event which will bring the user to a new tab and display “Lockdown Title”, “Lockdown Date and Time” and “Lockdown Description”. | * + Public users are able to click the red highlighted event and display “Lockdown Title”, “Lockdown Date and Time” and “Lockdown Description” on a new tab. | Pass |  |
| **About Page (Public Users)** | | | | |
|  | Test to see if users are able to see the about page by clicking on the “ABOUT” button in the sub-menu. | * Users should be able to view the contents of the about page. | Pass |  |
| **Login / Logout** | | | | |
|  | Test to see if authorized users are able to login into the ACRS webpage and able to see the menu bar and calendar with the events | * + Authorized users are able to view the menu bar and calendar with the events | Pass |  |
|  | Test to see if unauthorized users are not able to login into the ACRS webpage and a message will pop up at the top indicating that the “Email does not exist.” | * + Unauthorized users will view a message at the top indicating that the “Email does not exist.” | Pass |  |
|  | Test to see if users are able to click on the eye icon for them to unhide the password | * + Users are able to click on the eye icon for them to unhide the password | Pass |  |
|  | Test to see if authorized users are able to click on the “Forgot Password?” link which will bring them to a page requesting for their email to reset password | * + Authorized users are able to click on the “Forgot Password?” link and view a page requesting for their email to reset password | Pass |  |
| **Appeal (Public Users)** | | | | |
|  | Test to see if the user is able to click on “APPEAL” in the submenu for public users to submit their appeals for their vehicles | * + Appeal Page is shown to the public users where users have to fill in their “Vehicle Number”, “Holder Name”, “Email” and “Reason”. | Pass |  |
|  | Test to see if there will be an error message shown if the “Vehicle Number” , “Holder Name”, “Email” and “Reason” field is empty | * + When the user does not fill in the fields, an error message will prompt the user to “Please fill out this field” | Pass |  |
|  | Test to see if the public user did not enter a proper email in the “Email” field. | * + Prompt the public users to enter the correct email with the message “Please include an ‘@’ in the email address” | Pass |  |
|  | Test to see if after a public user fills in their details and their vehicle is not in the black list, the message will show “Vehicle Number does not exist in blacklist!” | * + After public users fill in the fields, click on “Send Appeal” and their vehicle number is not in the blacklist, it will display “Vehicle Number does not exist in blacklist!” | Pass |  |
|  | Test to see if after a public user fills in their details and their vehicle is not in the black list, the message will show “Vehicle Number does not exist in blacklist!” | * + After public users fill in the fields, click on “Send Appeal” and their vehicle number is not in the blacklist, it will display “Vehicle Number does not exist in blacklist!” | Pass |  |
|  | Test to see if after a public user fill in their details and their vehicle is in the black list, the message will show “Appeal submitted! It will take 2-3 days for the officer to get back to you through email!” | * + After public users fill in the fields, click on “Send Appeal” and their vehicle number is in the blacklist, it will display “Appeal submitted! It will take 2-3 days for the officer to get back to you through email!” | Pass |  |
| **ACRS Home (User - Security Guard / Admin - Estate Officer)** | | | | |
|  | Test to see if the users are able to access the home page of ACRS which will display the menu bar and calendar with all the events types. | * Users are able to view menu bar, calendars with event types. | Pass |  |
|  | Test to see if the users are able to click on the Blue highlighted event which will bring the user to a new tab and display “Event Title”, “Event Date and Time” and “Event Description”. | * + Users are able to click the blue highlighted event and display “Event Title”, “Event Date and Time” and “Event Description” on a new tab. | Pass |  |
|  | Test to see if the users are able to click on the Red highlighted event which will bring the user to a new tab and display “Lockdown Title”, “Lockdown Date and Time” and “Lockdown Description”. | * + Users are able to click the red highlighted event and display “Lockdown Title”, “Lockdown Date and Time” and “Lockdown Description” on a new tab. | Pass |  |
|  | Test to see if users are able to see the list of entry vehicles coming in on that event date after clicking on the highlighted events on the calendar page. | * + Users are able to see the list of vehicles coming into the school on that event period along with the event details after clicking on the highlighted event. | Pass |  |
| **ACRS Home (Admin - Estate Officer)** | | | | |
|  | Test to see if the users are able to click on “Add Event” and “Event List” button | * + Admins are able to only see the buttons and click them | Pass |  |
|  | Test to see if the users are able to enter the “Event title”, “Start date” , “End date”, “Event type” and “Description” after clicking the “Add Event” button. | * + Admins are able to fill in the fields and add the events | Pass |  |
|  | Test to see if there will be an error message shown if the user submit leaving all the fields empty | * + When user did not fill in the fields the error message will prompt “Please fill out this field” | Pass |  |
|  | Test to see if the user selects the “Event Type” as Event and click the “Submit” button where the calendar will show the event color highlighted in blue on the date admin created. | * + After admin fill out the fields and select “Event” as the event type and click the submit button, display the event highlighted in blue in the home page. | Pass |  |
|  | Test to see if the user selects the “Event Type” as Lockdown and clicks the “Submit” button where the calendar will show the event color highlighted in red on the date admin created. | * + After admin fill out the fields and select “Lockdown” as the event type and click the submit button, display the event highlighted in red in the home page. | Pass |  |
|  | Test to see if the user is able to see the list of events and able to “Filter”, “Search”, “Paging”, “Edit”, “Delete” the event and change the number of entries to be shown. | * Admin can see the list of events and is able to edit, delete, search, filter, paging and change the number of entries to be shown in the list. | Pass |  |
|  | Test to see if the user is able to click the “Edit” button on one of the data and check if all the details of the current data is there for the user to update. | * Once the admin clicks on the “Edit” button on specific data, there is a pop out board showing the current details of the data for the admin to edit. | Pass |  |
|  | Test to see if the user is able to make any changes to the data after clicking the “Update” button | * Once the user makes changes to its event name and clicks on the “update” button it will make changes to the data. | Pass |  |
|  | Test to see if the user are able to make multiple delete by checking which data they don’t want it to be in their list and click “Delete All Selected” | * Once the admin checks on 3 data that they don’t want and clicks on “Delete All Selected” the 3 data will be deleted. | Pass |  |
| **Vehicle Management ( Admin - Estate Officer)** | | | | |
|  | Test to see if non-admins are able to view the vehicle management page. | * + Non-admins will not be able to view the vehicle management page. | Pass |  |
|  | Test to see if users(security guards) are able to view the vehicle management page. | * Users should be able to view the vehicle management page. | Pass |  |
|  | Test to see if users are able to view the vehicle list table on the vehicle management page. | * Users should be able to view the table. | Pass |  |
|  | Test to see if users are able to filter through the vehicle list. | * Users should be able to filter through the list by ascending order once clicked | Pass |  |
|  | Test to see if users are able to sort list by ascending and descending order | * Users should be able to sort the list by ascending and descending order. | Pass |  |
|  | Test to see if admins are able to import the vehicle lists from excel using the “Import Vehicle from CSV” button. | * Users should be able to import CSV files containing the vehicle list. | Pass |  |
|  | Test to see if the user are able to import other file type other than csv when importing the vehicle list | * Users should not be able to choose other file type other than CSV file | Pass |  |
|  | Test to see if the user is able to import csv files with less than 5 columns. | * Users who imported less than 5 columns of csv file will prompt an error “Vehicle CSV file need to be 5 columns” | Pass |  |
|  | Test to see if the user is able to import a csv file that is not readable. | * Users who imported less than 5 columns of csv file will prompt an error “Could not read CSV file please try again” | Pass |  |
|  | Test to see if the user are able to import CSV with 5 rows while clicking on the radio button “Reset Database” and click on import button | * Once the user chooses to click on the “Reset Database” radio button and insert a csv file, it will then successfully remove the current vehicle list in vehicle management and replace it with the ones imported in CSV. | Pass |  |
|  | Test to see if users are able to click on the “Edit” button and view a pop-up page which shows all details of the user with an “Update” button at the bottom. | * Users should be able to edit Vehicle Number, Holder Name, Holder Type, Car Model and Company by editing and clicking the “Update Button”. A pop up message should show “Vehicle Updated Successfully” | Pass |  |
|  | Test to see if users are able add new vehicles using the “Add New Vehicle” button. | * Users should be able to add a new vehicle by entering Vehicle Number, Holder Name, Holder Type, Car Model and Company Name and pressing the “Create Vehicle” button. New vehicles will be added to the list. | Pass |  |
|  | Test to see if users are able to change the number of entries shown on each page. | * Users should be able to change the number of entries shown on a page by using the dropdown list to show either 10, 25, 50 or 100 entries. | Pass |  |
| 33. | Test to see if users are able to navigate through the pages of entry results using the “Previous”, “Next” or number buttons below the table. | * Users should be able to cycle through the pages of entries. | Pass |  |
| **My Profile (User - Security Guard, & Admin - Estate Officer)** | | | | |
|  | Test to see if the user is able to click on “MY PROFILE” in the sub menu and view the user's username, email and contact number. | * + Account page will be shown, showing the user's username, email and contact number. | Pass |  |
|  | Test to see if the user is able to update the user's username, email and contact number by clicking on the “Update” button after editing the details. | * + User’s details will be updated to what the user edited it to be. | Pass |  |
|  | Test to see if the user is able to click on the “Change Password”. | * + Checkpassword page will be shown. | Pass |  |
|  | Test to see if the user is able to go to the Changepassword page by entering their current password and clicking on the “Check Password” button. | * + Changepassword page will be shown. | Pass |  |
|  | Test to see if user is able to change password by entering the new password in the “New Password” field, confirm the new password by entering the new password in the “Confirm Password” field, and clicking on the “Change Password” button | * + User’s password will be updated and the Account page will be shown with a green pop-up message stating, “Your password has been updated!” | Pass |  |
| **User Management (Admin - Estate Officer)** | | | | |
|  | Test to see if admins are able to click on “User Management” under the sub-menu and view a page showing the list of users | * + Admin are able to click on the “User Management” and view a page consist of the list of users | Pass |  |
|  | Test to see if admins are able to filter the user list ascending and descending | * + Admin are able to filter the user list ascending and descending | Pass |  |
|  | Test to see if admins are able to click on the “Edit” button and view a pop-up page which shows all details of the user with an “Update” button at the bottom | * + Admin are able to click on the “Edit” button and view a pop-up page which shows all details of the user with an “Update” button at the bottom | Pass |  |
|  | Test to see if admins are able to delete multiple users by checking on the checkbox and clicking on the “Delete All Selected” button | * + Admin are able to delete multiple users by clicking on the checkbox and clicking on the “Delete All Selected” button | Pass |  |
|  | Test to see if admins are able to search user based on the keyword | * + Admin are able to search used based on the keyword | Pass |  |
|  | Test to see if admins are able to click on the “Create User” button and view a page where details such as “Email”, “Password”, “Roles”, “Full Name”, “Contact Number” and “Status” needs to be filled up | * + Admin are able to click on the “Create User” button and view a page where details such as “Email”, “Password”, “Roles”, “Full Name”, “Contact Number” and “Status” needs to be filled up | Pass |  |
|  | Test to see if admins are able to change and choose the number of entries for the user list | * + Admin are able to change and choose the number of entries for the user list | Pass |  |
|  | Test to see if admins are able to change the page by clicking on the “Previous”, “Next” or the number page | * + Admin are able to change the page by clicking on the “Previous”, “Next” or the number page | Pass |  |
|  | Test to see if admins are able to import user from csv and view in the user list | * + Admin are able to import user from csv and view in the user list | Pass |  |
|  | Test to see if admins are able to import other file type other than csv when importing the user list | * + Admin should not be able to choose other file type other than CSV file | Pass |  |
|  | Test to see if admins are able to import csv files with less than 5 columns. | * + Admin who imported less than 5 columns of csv file will prompt an error “User CSV file need to be 5 columns” | Pass |  |
|  | Test to see if admins are able to import a csv file that is not readable. | * + Admin who imported less than 5 columns of csv file will prompt an error “Could not read CSV file please try again” | Pass |  |
| **Posts (User - Security Guard, & Admin - Estate Officer)** | | | | |
|  | Test if the user is able to click on “ALL POSTS” in the sub menu and go to the Posts page. | * + Posts page will be shown, showing all the Posts created ordered from newest to oldest. | Pass |  |
|  | Test if the user is able to click on “FEEDBACK” in the sub menu and go to the Feedback Post page. | * + Feedback Posts page will be shown, showing all the Feedback Posts created ordered from newest to oldest. | Pass |  |
|  | Test if the user is able to click on “BUG” in the sub menu and go to the Bug Post page. | * + Bug Posts page will be shown, showing all the Bug Posts created ordered from newest to oldest. | Pass |  |
|  | Test if the user is able to click on the “Create a Post” button and go to Make a Post page. | * + Make a Post page will be shown, showing a drop down list that has two options, “Bug” and “Feedback”, followed by an empty text box. | Pass |  |
|  | Test if the user is able to select between the two options, “Bug” and “Feedback” in the drop down list. | * + Once the user has select between the two options, the drop down list will close, displaying the option that the user has chosen. | Pass |  |
|  | Test if the user is able to type in the text box. | * + Tapping on the tap box will bring up the user’s keyboard which enables the user to key in their feedback/bug. | Pass |  |
|  | Test if the user is able to click on the “Back” button to go back to the Post page. | * + Tapping on the “Back” button will bring the user back to the Post page. | Pass |  |
|  | Test if the user is able to click on the “Post” button to post the feedback/bug. | * + Tapping on the “Post” button will bring the user to the Post page with a message stating, “Post created!”, and with the created post at the top. | Pass |  |
|  | Test if the user is able to click on the like button (Thumbs up). | * + Tapping on the like button will change the button’s colour from white to black and increase the number beside it. Tapping on the button again will “unlike” the post. | Pass |  |
|  | Test if the user is able to comment on the post by typing on the text box that says, “Comment something!”, and clicking on the “Comment” button. | * + Tapping on the “Comment” button will post the comment that the user has entered and increase the number of comments on the post. | Pass |  |
|  | Test if the user is able to click on “View n Comments” to view the comments on the post. | * + Tapping on “View n Comments” will open the comments section showcasing all the comments on the post. | Pass |  |
|  | Test if the user is able to delete their own comments and comments in their posts by clicking on the “Delete” button beside the comment. | * + Tapping on the “Delete” button beside the comment will show a pop up to confirm the deletion. Clicking on the “OK” button will delete the comment and decrease the comment count on the post. | Pass |  |
|  | Test if the user is able to delete their own post by clicking on the “Delete” button on their post. | * + Tapping on the “Delete” button on the post will show a pop up to confirm the deletion. Clicking on the “OK” button will delete the post. | Pass |  |
|  | Test if the admin is able to update the status of the bug posts by selecting an option from the drop down list, “New”, “Ongoing”, “Fixed”, and by clicking on the “Update Status” button. | * + Tapping on the “Update Status” button after selecting an option from the drop down list will update the status of the bug post to the status selected and a message stating, “Status Updated Successfully” will be shown. | Pass |  |
|  | Test if the user is able to click on a name to view all posts by the user. | * + Tapping on a name will bring the user to a page that shows all posts created by the user. | Pass |  |
|  | Test if the user is able to click on “Feedback” on the post to view all Feedback posts. | * + Tapping on “Feedback” will bring the user to a page that shows all Feedback posts. | Pass |  |
|  | Tets if the user is able to click on “Bug” on the post to view all Bug posts. | * + Tapping on “Bug” will bring the user to a page that shows all Bug posts. | Pass |  |
| **User Audit(Admin - Estate Officer)** | | | | |
|  | Test if admin are able to view the a list of action done by each user which includes the date, time and email | * + Admin are able to view a list of action done by each user which includes the date, time and email | Pass |  |
|  | Test that the actions is track in the User Audit list when admin import, update, create or delete | * + Actions is tracked in the User Audit list when admin import, update, create or delete | Pass |  |
| **Vehicle Entry Screening (User - Security Guard, & Admin - Estate Officer)** | | | | |
|  | Test if user are able to click on the “Take An Image” button to choose either choose an image file or launch a camera to take a picture | * + User and Admin are able to choose to either upload a file or take a picture by launching the camera | Pass |  |
|  | Test if the system are able to check if the picture the user upload is a valid car plate if it is a valid car plate then it will read the car plate number and check if the car plate is authenticated  If car plate is valid prompt message : “SML4288T APPROVED”  Else it will prompt : “SML4288T IS NOT ALLOWED IN RP” | * + User and Admin took a picture of a valid car plate and the system are able to scan the car plate to see if the car plate is authenticated. | Pass |  |
|  | Test if the system are able to check if the picture is not valid, example. if a random picture is taken eg. walls, living objects. It will prompt the user “Could not find plate number please retake again”. | * + User and Admin will take a picture of a cat and check if the image is valid. Prompt the user “Could not find plate number please retake again” | Pass |  |
|  | Test to see if the user leave the Manual Car plate Search field Empty and click “Search” | * + User and admin will receive a error message asking the user “Please fill out this field” | Pass |  |
|  | Test to see if the user have fill in less than 5 characters in the Manual Carplate search field and click “Search” | * + User and admin will receive a error message asking the user “Please lengthen this text to 5 characters or more (you are currently using 3 characters).” | Pass |  |
|  | Test if the user are able to fill in the Manual Carplate Search and click on the “Search” button where it will check:  If car plate is valid prompt message : “SML4288T APPROVED”  Else it will prompt : “SML4288T IS NOT ALLOWED IN RP” | * + User and Admin fill in the manual car plate search field and check if the car is allowed or not allowed in RP | Pass |  |
| **Vehicle Tracking - Track Vehicles Function (User - Security Guard, & Admin - Estate Officer)** | | | | |
|  | Test if user and admin are able to click on the “Submit” button to upload a picture of the car plate taken using camera | * + User and Admin are able to click on the “Submit” button to upload a picture of the car plate taken using camera | Pass |  |
|  | Test if user and admin can view the car plate number in the 30 Minutes Grace Parking List when successfully uploaded a picture taken using camera | * + User and Admin are able to view the car plate number in the 30 Minutes Grace Parking List when successfully uploaded a picture taken using camera | Pass |  |
|  | Test if user and admin are able to click on the “Insert” button when manually inserting the car plate number | * + User and Admin are able to click on the “Insert” button when manually inserting the car plate number | Pass |  |
|  | Test if an error message will be shown if user and admin click on the “Insert” button when the Manual Carplate Insert field is empty | * + User and Admin will receive an error message stating “Please fill out this field” | Pass |  |
|  | Test if an error message will be shown when user and admin fill in less than 5 characters in the Manual Carplate Insert field and click the “Insert” button | * + User and Admin will receive an error message stating “Please lengthen this text to 5 characters or more (you are currently using 3 characters).” | Pass |  |
|  | Test if user and admin can view the car plate number in the 30 Minutes Grace Parking List when successfully inserting the car plate number manually | * + User and Admin are able to view the car plate number in the 30 Minutes Grace Parking List when successfully inserting the car plate number manually | Pass |  |
| **Vehicle Tracking - 30 Minutes Grace Parking List Function (User - Security Guard, & Admin - Estate Officer)** | | | | |
|  | Test if user and admin are able to view the 30 Mins Grace Parking list consist of “Security Guard Name”, “Carplate Number”, “Initial Track DateTime”, “Recent Track DateTime” and a “Delete” button under the action column | * + User and Admin are able to view the 30 Mins Grace Parking list which consist of “Security Guard Name”, “Carplate Number”, “Initial Track DateTime”, “Recent Track DateTime” and a “Delete” button under the action column | Pass |  |
|  | Test that when scanning the vehicle number for the first time, the column “Security Guard Name”, “Carplate Number” and “Initial Track DateTime” will be filled up | * + Column “Security Guard Name”, “Carplate Number” and “Initial Track DateTime” will be filled up when scanning the car plate number for the first time | Pass |  |
|  | Test that when scanning the vehicle number subsequently, the column “Recent Track DateTime” will be filled up | * + Column “Recent Track DateTime” will be filled up when scanning the car plate number for the subsequent times | Pass |  |
|  | Test if the car plate number is automatically transferred to the Warning List when the calculated duration between the “Initial Track DateTime” and “Recent Track DateTime” is more than 30 minutes | * + Car plate number is automatically transferred to the Warning List when the calculated duration between the “Initial Track DateTime” and “Recent Track DateTime” is more than 30 minutes | Pass |  |
|  | Test if user and admin can click on the “Delete” button to remove the car plate number when the calculated duration between the “Initial Track DateTime” and “Recent Track DateTime” is less than 30 minutes | * + User and Admin can click on the “Delete” button to remove the car plate number when the calculated duration between the “Initial Track DateTime” and “Recent Track DateTime” is less than 30 minutes | Pass |  |
|  | Test if user and admin are able to filter the list accordingly | * + User and Admin can click on the filter at the header to filter the list accordingly | Pass |  |
|  | Test if user and admin are able to search based on the keyword | * + User and Admin can search through the list based on the keyword | Pass |  |
|  | Test if user and admin are able to change the number of entries shown in a list | * + User and Admin can change the number of entries shown in a list | Pass |  |
|  | Test if user and admin are able to change the page by clicking on the “Previous”, “Next” or the number page | * + User and Admin can change the page by clicking on the “Previous”, “Next” or the number page | Pass |  |
| **Vehicle Tracking - Warning List Function (User - Security Guard, & Admin - Estate Officer)** | | | | |
|  | Test if admin are able to view the Warning list consist of “Security Guard Name”, “Carplate Number”, “Number of Offences”, and a “Delete” button under the action column | * + Admin can view the Warning list consist of “Security Guard Name”, “Carplate Number”, “Number of Offences”, and a “Delete” button under the action column | Pass |  |
|  | Test if user are able to view the Warning list consist of “Security Guard Name”, “Carplate Number”, “Number of Offences” | * + User can view the Warning list consist of “Security Guard Name”, “Carplate Number”, “Number of Offences” | Pass |  |
|  | Test if the Number of Offences will be added up by 1 when the same car plate number was transferred from the 30 Mins Grace Parking List | * + Number of Offences will be add up by 1 when the same car plate number was transferred from the 30 Mins Grace Parking List | Pass |  |
|  | Test if the car plate number is automatically transferred to the Blacklist when the Number of Offences reached the maximum of 5 | * + Car plate number is automatically transferred to the Blacklist when the Number of Offences reached the maximum of 5 | Pass |  |
|  | Test if admin can click on the “Delete” button to remove the car plate number in the Warning List | * + Admin can click on the “Delete” button to remove the car plate number in the Warning List | Pass |  |
|  | Test if user and admin are able to filter the list accordingly | * + User and Admin can click on the filter at the header to filter the list accordingly | Pass |  |
|  | Test if user and admin are able to search based on the keyword | * + User and Admin can search through the list based on the keyword | Pass |  |
|  | Test if user and admin are able to change the number of entries shown in a list | * + User and Admin can change the number of entries shown in a list | Pass |  |
|  | Test if user and admin are able to change the page by clicking on the “Previous”, “Next” or the number page | * + User and Admin can change the page by clicking on the “Previous”, “Next” or the number page | Pass |  |
| **Vehicle Tracking - Blacklist Function (User - Security Guard, & Admin - Estate Officer)** | | | | |
|  | Test if admin are able to view the Blacklist consist of “Security Guard Name”, “Carplate Number”, “Number of Offences”, and a “Delete” button under the action column | * + Admin can view the Blacklist consist of “Security Guard Name”, “Carplate Number”, “Number of Offences”, and a “Delete” button under the action column | Pass |  |
|  | Test if user are able to view the Blacklist consist of “Security Guard Name”, “Carplate Number”, “Number of Offences” | * + User can view the Blacklist consist of “Security Guard Name”, “Carplate Number”, “Number of Offences” | Pass |  |
|  | Test if admin can click on the “Delete” button to remove the car plate number in the Blacklist | * Admin can click on the “Delete” button to remove the car plate number in the Blacklist | Pass |  |
|  | Test if user and admin are able to filter the list accordingly | * + User and Admin can click on the filter at the header to filter the list accordingly | Pass |  |
|  | Test if user and admin are able to search based on the keyword | * + User and Admin can search through the list based on the keyword | Pass |  |
|  | Test if user and admin are able to change the number of entries shown in a list | * + User and Admin can change the number of entries shown in a list | Pass |  |
|  | Test if user and admin are able to change the page by clicking on the “Previous”, “Next” or the number page | * + User and Admin can change the page by clicking on the “Previous”, “Next” or the number page | Pass |  |
| **Vehicle Tracking - Appeal List Function (Admin - Estate Officer)** | | | | |
|  | Test if admin are able to view the Appeal List consist of “Vehicle Num”, “Name”, “Email”, “Reason” including a “Approve” and “Reject” button under the status column | * + Admin can view the Appeal List consist of “Vehicle Num”, “Name”, “Email”, “Reason” including a “Approve” and “Reject” button under the status column | Pass |  |
|  | Test if admin are able to filter the list accordingly | * + Admin can click on the filter at the header to filter the list accordingly | Pass |  |
|  | Test if admin are able to search based on the keyword | * + Admin can search through the list based on the keyword | Pass |  |
|  | Test if admin are able to change the number of entries shown in a list | * + Admin can change the number of entries shown in a list | Pass |  |
|  | Test if admin are able to change the page by clicking on the “Previous”, “Next” or the number page | * + Admin can change the page by clicking on the “Previous”, “Next” or the number page | Pass |  |
| **Report (Admin - Estate Officer)** | | | | |
|  | Test if admin are able to view the report overview in a dashboard which consist of various charts based on the different reports | * + Admin can view the report overview in a dashboard which consist of various charts based on the different reports | Pass |  |
|  | Test if admin are able to click on the “Filter Report” button which open the sidebar consist of all the reports for them to choose the report they wanted to view | * + Admin can click on the “Filter Report” button which open the sidebar consist of all the reports for them to choose the report they wanted to view | Pass |  |
|  | Test if the chart is shown on the dashboard when admin check the checkbox of the reports they want to view | * + Admin can check the checkbox of the reports they want to view and the chart will be shown on the dashboard | Pass |  |
|  | Test if the chart will be removed from the dashboard when admin uncheck the checkbox of the report | * + Chart will be removed from the dashboard when admin uncheck the checkbox of the report | Pass |  |
|  | Test if the admin are able to click on “X” button to close the sidebar | * + Admin can click on “X” button to close the sidebar | Pass |  |
|  | Test if the admin are able to click on the side button which will show a list of 11 reports they can click on to view | * + Admin can click on the side button which will show a list of report they can click on to view | Pass |  |
|  | Test if admin are able to view the report which consist of a chart and a data table when clicking on the report name | * + Admin can view the report which consist of a chart and a data table when clicking on the report name | Pass |  |
|  | Test if admin are able to filter the data in the datatable accordingly | * + Admin can filter the data in the datatable accordingly | Pass |  |
|  | Test if admin are able to click on the “View List” link under the action column which shows a page of a detailed list | * + Admin can click on the “View List” link under the action column which shows a page of a detailed list | Pass |  |
|  | Test if admin are able to filter the list and search based on the keyword in the View List page | * + Admin can filter the list and search based on the keyword in the View List page | Pass |  |
|  | Test if admin are able to click on the “Back” button to return to the previous page | * + Admin can click on the “Back” button to return to the previous page | Pass |  |
|  | Test if admin are able to click on the legend to hide or unhide the data they want to view in a chart | * + Admin can click on the legend to hide or unhide the data they want to view in a chart | Pass |  |