

# **CSC-204 Software Engineering**

## **Test Document**



## **UET Routes Management System**

### **Submitted by:**

Muhammad Abdullah Feroz      2023-SE-03

Mehboob Alam      2023-SE-07

### **Submitted to:**

Ma'am Alina Munir

Dated: 15<sup>th</sup> December 2024

**Department of Computer Science**

**University of Engineering and Technology Lahore, New Campus**

<b>Test Case ID</b>	RMS_001	<b>Test Case Description</b>	Test the Login Functionality with Correct Credentials		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

<b><u>QA Tester's Log</u></b>	The app is working as it should if the correct credentials are entered.
-------------------------------	---

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass

<b>S #</b>	<b>Prerequisites:</b>
1	Access to Chrome Browser
2	

<b>S #</b>	<b>Test Data</b>
1	Email = mehboobalam786461@gmail.com
2	Password = 12345678

<b><u>Test Scenario</u></b>	Verify on entering valid Email and password, the user can login
-----------------------------	---

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Navigate to <a href="http://uet-rms.vercel.app">http://uet-rms.vercel.app</a>	Site should open	As Expected	Pass
2	Enter Email & Password	Credential can be entered	As Expected	Pass
3	Click Login	User is logged in	As Expected	Pass

<b>Test Case ID</b>	RMS_002	<b>Test Case Description</b>	Test the Login Functionality with Wrong Credentials		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

<b><u>QA Tester's Log</u></b>	The app is working as it should if the wrong credentials are entered.
-------------------------------	---

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass

<b>S #</b>	<b>Prerequisites:</b>
1	Access to Chrome Browser
2	

<b>S #</b>	<b>Test Data</b>
1	Email = mehboobalam786461@gmail.com
2	Password = 1234

<b><u>Test Scenario</u></b>	Verify on entering the wrong Email and password, an error message is shown.
-----------------------------	---

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Navigate to <a href="http://uet-rms.vercel.app">http://uet-rms.vercel.app</a>	Site should open	As Expected	Pass
2	Enter Email & Password	Credential can be entered	As Expected	Pass
3	Click Login	Wrong Credentials message displayed	As Expected	Pass

<b>Test Case ID</b>	RMS_003	<b>Test Case Description</b>	Test the Signup Functionality		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

**QA Tester's Log**

The app is registering new users and updating the database upon authentication.

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass

S #	Prerequisites:
1	Access to Chrome Browser
2	User should not be pre registered

S #	Test Data
1	Email = abdullahferoz313@gmailcom
2	Password = 12345678
3	Name = Feroz Khan
4	Phone Number = 0321 1234567
5	Address = st#2, hamza town, lahore

**Test Scenario**

On clicking signup, register a new user

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Navigate to <a href="http://uet-rms.vercel.app">http://uet-rms.vercel.app</a>	Site should open	As Expected	Pass
2	Click on SignUp	navigate to signup page	As Expected	Pass
3	Enter credentials	Credential can be entered	As Expected	Pass
4	Click signup	User is registered	As Expected	Pass

<b>Test Case ID</b>	RMS_004	<b>Test Case Description</b>	Test the Signup Functionality		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

**QA Tester's Log**

The app gives error if a new user tries to register with an id that already exists

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

S #	Prerequisites:
1	Access to Chrome Browser

S #	Test Data
1	Email = mehboobalam786461@gmailcom
2	Password = 12345678
3	Name = Mehboob Alam
4	Phone Number = 0321 1234567
5	Address = st#2, hamza town, lahore

**Test Scenario**

On clicking signup, if the user with the same email already exists, give an error.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Navigate to <a href="http://uet-rms.vercel.app">http://uet-rms.vercel.app</a>	Site should open	As Expected	Pass
2	Click on SignUp	navigate to signup page	As Expected	Pass
3	Enter credentials	Credential can be entered	As Expected	Pass
4	Click Signup	Give error that user already exists	As Expected	Pass

<b>Test Case ID</b>	RMS_005	<b>Test Case Description</b>	Test the Forget Password Functionality		
<b>Created By</b>	Mehboob	<b>Reviewed By</b>	Abdullah	<b>Version</b>	1.0.1

<b><u>QA Tester's Log</u></b>	The app is sending a verification email and updates the password as required.
-------------------------------	---

<b>Tester's Name</b>	Mehboob	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	---------	--------------------	-------------	---	------

<b>S #</b>	<b>Prerequisites:</b>
1	Access to Chrome Browser
2	User should be pre registered

<b>S #</b>	<b>Test Data</b>
1	Email = abdullahferoz313@gmailcom
2	New Password = 5678

<b><u>Test Scenario</u></b>	Forget and Update Password
-----------------------------	----------------------------

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Navigate to <a href="http://uet-rms.vercel.app">http://uet-rms.vercel.app</a>	Site should open	As Expected	Pass
2	click on forget password	navigate to forget page	As Expected	Pass
3	Enter email	Email should be entered	As Expected	Pass
4	Click on Forget Password	Send verification mail	As Expected	Pass
5	Click on the verification link in mail	go to the forget password page	As Expected	Pass
6	Enter New & confirm Password	Password is updated	As Expected	Pass

<b>Test Case ID</b>	RMS_006	<b>Test Case Description</b>	Test the Forget Password Functionality with invalid email		
<b>Created By</b>	Mehboob	<b>Reviewed By</b>	Abdullah	<b>Version</b>	1.0.1

<b>QA Tester's Log</b>	The app give an error that an invalid email is entered
------------------------	--

<b>Tester's Name</b>	Mehboob	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	---------	--------------------	-------------	---	------

<b>S #</b>	<b>Prerequisites:</b>
1	Access to Chrome Browser

<b>S #</b>	<b>Test Data</b>
1	Email = abdullahferoz@gmailcom

<b>Test Scenario</b>	Forget password for an invalid email.
----------------------	---------------------------------------

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Navigate to <a href="http://uet-rms.vercel.app">http://uet-rms.vercel.app</a>	Site should open	As Expected	Pass
2	click on forget password	navigate to forget page	As Expected	Pass
3	Enter email	Email should be entered	As Expected	Pass
4	Click on Forget Password	Give an error	As Expected	Pass

<b>Test Case ID</b>	RMS_007	<b>Test Case Description</b>	Admin functionality for adding new driver		
<b>Created By</b>	Mehboob	<b>Reviewed By</b>	Abdullah	<b>Version</b>	1.0.1

<b><u>QA Tester's Log</u></b>	The app is adding new drivers and updating the database.
-------------------------------	--

<b>Tester's Name</b>	Mehboob	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	---------	--------------------	-------------	---	------

S #	Prerequisites:
1	Access to Chrome Browser
2	Admin should be logged in

S #	Test Data
1	Name = Iftikhar
2	Email = iftikhar@gmail.com
3	Phone No. = 0332 233223
4	CNIC = 38401-1945681-1
5	Address = address aBc

<b><u>Test Scenario</u></b>	Admin adds a new driver.
-----------------------------	--------------------------

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to add driver menu	menu should open	As Expected	Pass
2	Enter credentials of driver	credentials should be entered	As Expected	Pass
3	Click on save	New driver should be added	As Expected	Pass



<b>Test Case ID</b>	RMS_008	<b>Test Case Description</b>	Admin functionality for adding new driver with wrong credentials		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

<b><u>QA Tester's Log</u></b>	When the driver already exists , app work properly by showing error
-------------------------------	---

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

S #	Prerequisites:
1	Access to Chrome Browser
2	Admin should be logged in

S #	Test Data
1	Name = Abdul Basit
2	Email = abdulbasit@gmail.com
3	Phone No. = 0312 211223
4	CNIC = 38401-1943381-1
5	Address = address aBc

<b><u>Test Scenario</u></b>	Admin tries to add a new driver with email or cnic that already exists.
-----------------------------	---

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to add driver menu	menu should open	As Expected	Pass
2	Enter credentials of driver	credentials should be entered	As Expected	Pass
3	Click on save	Alert that the driver already exists	As Expected	Pass

<b>Test Case ID</b>	RMS_009	<b>Test Case Description</b>	Admin functionality for adding new stop that already exists		
<b>Created By</b>	Mehboob	<b>Reviewed By</b>	Abdullah	<b>Version</b>	1.0.1

<b><u>QA Tester's Log</u></b>	The app has proper checks so that the same stop is not entered twice.
-------------------------------	---

<b>Tester's Name</b>	Mehboob	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	---------	--------------------	-------------	---	------

<b>S #</b>	<b>Prerequisites:</b>
1	Access to Chrome Browser
2	Admin should be logged in

<b>S #</b>	<b>Test Data</b>
1	Name = Rana town

<b><u>Test Scenario</u></b>	Admin adds a new stop that is already added in the app.
-----------------------------	---

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to add stop menu	menu should open	As Expected	Pass
2	Search name of Stop	Stop should be shown on map	As Expected	Pass
3	Click on add	Give error message that the stop already exists	As Expected	Pass

<b>Test Case ID</b>	RMS_010	<b>Test Case Description</b>	Admin functionality for adding new stop		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

<b><u>QA Tester's Log</u></b>	The app is adding new stops and updating the database.
-------------------------------	--

<b>Tester's Name</b>	Mehboob	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	---------	--------------------	-------------	---	------

<b>S #</b>	<b>Prerequisites:</b>
1	Access to Chrome Browser
2	Admin should be logged in

<b>S #</b>	<b>Test Data</b>
1	Stop Name= Naqsha Stop

<b><u>Test Scenario</u></b>	Admin adds a new stop.
-----------------------------	------------------------

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to add stop menu	menu should open	As Expected	Pass
2	Search Stop name	Stop should be shown on map	As Expected	Pass
3	Click on add	Adds new stop	As Expected	Pass

<b>Test Case ID</b>	RMS_011	<b>Test Case Description</b>	User functionality for filing complaint		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

<b>QA Tester's Log</b>	The app successfully registers a complaint in the database.
------------------------	---

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

<b>S #</b>	<b>Prerequisites:</b>
1	Access to Chrome Browser
2	User should be logged in

<b>S #</b>	<b>Test Data</b>
1	Registration No. = 2023se3
2	Complaint = "The bus arrives late"

<b>Test Scenario</b>	User files a complaint.
----------------------	-------------------------

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to complaint menu	menu should open	As Expected	Pass
2	Enter your roll number and complaint	Details should be entered	As Expected	Pass
3	Click on submit complaint	Complaint submitted	As Expected	Pass

<b>Test Case ID</b>	RMS_012	<b>Test Case Description</b>	User functionality for filing complaint with empty complaint		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

<b>QA Tester's Log</b>	The app successfully registers a complaint in the database.
------------------------	---

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

S #	Prerequisites:
1	Access to Chrome Browser
2	User should be logged in

S #	Test Data
1	Registration No. = 2023se3
2	Complaint = ""

<b>Test Scenario</b>	User submits an empty complaint .
----------------------	-----------------------------------

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to complaint menu	menu should open	As Expected	Pass
2	Enter your roll number	roll number should be entered	As Expected	Pass
3	Click on submit complaint	Error that the complaint field is required	As Expected	Pass

<b>Test Case ID</b>	RMS_013	<b>Test Case Description</b>	Admin functionality for updating complaint status (pending/resolved)		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

<b><u>QA Tester's Log</u></b>	The app successfully updated the complaint status in the database.
-------------------------------	--

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

<b>S #</b>	<b>Prerequisites:</b>
1	Access to Chrome Browser
2	Admin should be logged in
3	There must be any complaint filed

<b>S #</b>	<b>Test Data</b>
	N/A

<b><u>Test Scenario</u></b>	Admin updates the status of complaint.
-----------------------------	--

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to complaint menu	menu should open	As Expected	Pass
2	Click on the edit button	app should confirm update	As Expected	Pass
3	Click on update status	Update the status of complaint	As Expected	Pass

<b>Test Case ID</b>	RMS_014	<b>Test Case Description</b>	Admin functionality for deleting complaint		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

<b><u>QA Tester's Log</u></b>	The app successfully deleted the complaint from the database.
-------------------------------	---

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

<b>S #</b>	<b>Prerequisites:</b>
1	Access to Chrome Browser
2	Admin should be logged in
3	There must be any complaint filed

<b>S #</b>	<b>Test Data</b>
	N/A

<b><u>Test Scenario</u></b>	Admin deletes a complaint.
-----------------------------	----------------------------

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to complaint menu	menu should open	As Expected	Pass
2	Click on the delete button	app should confirm before deletion	As Expected	Pass
3	Click on delete	Delete the complaint from the database permanently	As Expected	Pass

<b>Test Case ID</b>	RMS_015	<b>Test Case Description</b>	Admin functionality for updating stop		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

**QA Tester's Log**

The app is updating the stops, replacing the old one with the new one and updating the database.

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

S #	Prerequisites:
1	Access to Chrome Browser
2	Admin should be logged in
3	There must be a stop added already.

S #	Test Data
1	Old Stop Name= Naqsha Stop
2	New Stop Name = Wapda Town

**Test Scenario**

Admin updates a previous stop.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to stops menu	menu should open	As Expected	Pass
2	Click on the edit button for the desired stop	Editing menu should open	As Expected	Pass
3	Search for new stop and add it.	Updates the stop.	As Expected	Pass



<b>Test Case ID</b>	RMS_016	<b>Test Case Description</b>	Admin functionality for deleting stop.		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

**QA Tester's Log**

The app successfully deleted the stop from the database and updated the system accordingly.

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

S #	Prerequisites:
1	Access to Chrome Browser
2	Admin should be logged in
3	There must be any stop already added

S #	Test Data
	N/A

**Test Scenario**

Admin deletes a stop.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to stops menu	menu should open	As Expected	Pass
2	Click on the delete button of desired stop	app should confirm before deletion	As Expected	Pass
3	Click on delete	Delete the stop from the database permanently.	As Expected	Pass

<b>Test Case ID</b>	RMS_017	<b>Test Case Description</b>	Admin functionality for updating driver.		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

**QA Tester's Log** The driver is updating accordingly also in the database.

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

S #	Prerequisites:
1	Access to Chrome Browser
2	Admin should be logged in.
3	There must be a driver added already.

S #	Test Data
1	Name = Abdul Rehman
2	Email = rehman.abdul@gmail.com
3	Phone No. = 0312 210023
4	CNIC = 38401-1993381-1
5	Address = address aBc

**Test Scenario** Admin updates a driver.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to add driver menu	menu should open	As Expected	Pass
2	Click on the edit button of the desired driver	The edit menu should open	As Expected	Pass
3	Enter new details and save	The driver should be updated	As Expected	Pass

<b>Test Case ID</b>	RMS_018	<b>Test Case Description</b>	Admin functionality for updating driver with wrong credentials		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

**QA Tester's Log**

when the driver already exists , app work properly by showing error

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	14-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

S #	Prerequisites:
1	Access to Chrome Browser
2	Admin should be logged in
3	There must be a driver already added.

S #	Test Data
1	Name = Abdul Rehman
2	Email = abdulbasit@gmail.com
3	Phone No. = 0312 219023
4	CNIC = 38401-1943381-1
5	Address = address aBc ,xYx

**Test Scenario**

Admin tries to add a new driver with email or cnic that already exists.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to add driver menu	menu should open	As Expected	Pass
2	Click on the edit button of the desired driver	Editing menu should open	As Expected	Pass
3	Enter details of the driver that already exists.	Give an error that a driver with these credentials exists.	As Expected	Pass

<b>Test Case ID</b>	RMS_019	<b>Test Case Description</b>	Admin functionality for adding new Route		
<b>Created By</b>	Mehboob	<b>Reviewed By</b>	Abdullah	<b>Version</b>	1.0.1

**QA Tester's Log**

New Routes are successfully being added and updated in the Database and Application.

<b>Tester's Name</b>	Mehboob	<b>Date Tested</b>	15-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	---------	--------------------	-------------	---	------

S #	Prerequisites:
1	Access to Chrome Browser
2	Admin should be logged in
3	There must be an available driver for the route.

S #	Test Data
1	Route No. = 10
2	Vehicle No. = FBR-1234
3	Driver = Ansar
4	Stops = UET KSK, Rana Town, Azadi Chowk, Ichra

**Test Scenario**

Admin adds a new route.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to Routes menu	menu should open	As Expected	Pass
2	Click on add Route	Add Route form should open	As Expected	Pass
3	Fill in the details	Details should be filled	As Expected	Pass
4	Click Save	New Route should be added in the database	As Expected	Pass

<b>Test Case ID</b>	RMS_020	<b>Test Case Description</b>	Admin functionality for adding new route with wrong credentials		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

**QA Tester's Log**

When a new route is added with a bus or route number that already exists the app, as it should, checks for redundancy and does not allow repetition.

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	15-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

S #	Prerequisites:
1	Access to Chrome Browser
2	Admin should be logged in
3	There must be nay route added already.

S #	Test Data
1	Route No. = 01
2	Vehicle No. = FBR-1234
3	Driver = Ansar
4	Stops = UET KSK, Rana Town, Azadi Chowk, Ichra

**Test Scenario**

Admin tries to add a new driver with email or cnic that already exists.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to Routes menu	menu should open	As Expected	Pass
2	Click on add Route	Add Route form should open	As Expected	Pass
3	Fill in the details	Details should be filled	As Expected	Pass
4	Click Save	The app should give error that the Bus or Route number already exists	As Expected	Pass

<b>Test Case ID</b>	RMS_021	<b>Test Case Description</b>	Admin functionality for updating Route		
<b>Created By</b>	Mehboob	<b>Reviewed By</b>	Abdullah	<b>Version</b>	1.0.1

**QA Tester's Log**

Routes are successfully being updated in the Database and Application.

<b>Tester's Name</b>	Mehboob	<b>Date Tested</b>	15-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	---------	--------------------	-------------	---	------

S #	Prerequisites:
1	Access to Chrome Browser
2	Admin should be logged in
3	There must be a route already added.

S #	Test Data
1	Route No. = 10
2	Vehicle No. = FBR-1234
3	Driver = Ansar
4	Stops = UET KSK, Rana Town, Azadi Chowk, Kalma Chowk

**Test Scenario**

Admin updates or edits a route.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to Routes menu	menu should open	As Expected	Pass
2	Click on edit button of the desired Route	Edit Route form should open	As Expected	Pass
3	Fill in the updated details	Details should be filled	As Expected	Pass
4	Click Save	New Route should be updated in the database	As Expected	Pass

<b>Test Case ID</b>	RMS_022	<b>Test Case Description</b>	Admin functionality for updating route with wrong credentials		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

**QA Tester's Log**

When a route is updated with a bus or route number that already exists the app, as it should, checks for redundancy and does not allow repetition.

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	15-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

S #	Prerequisites:
1	Access to Chrome Browser
2	Admin should be logged in
3	There must be a route added already.

S #	Test Data
1	Route No. = 02
2	Vehicle No. = FBR-1023
3	Driver = Ansar
4	Stops = UET KSK, Rana Town, Azadi Chowk, Ichra

**Test Scenario**

Admin tries to update a route by entering invalid information.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to Routes menu	menu should open	As Expected	Pass
2	Click on add Route	Add Route form should open	As Expected	Pass
3	Enter the updated details	Details should be filled	As Expected	Pass
4	Click Save	The app should give error that the Bus or Route number already exists	As Expected	Pass

<b>Test Case ID</b>	RMS_023	<b>Test Case Description</b>	Admin functionality for deleting a Route		
<b>Created By</b>	Mehboob	<b>Reviewed By</b>	Abdullah	<b>Version</b>	1.0.1

**QA Tester's Log**

The route is deleted and all its instances and relations are also removed from the app and the database.

<b>Tester's Name</b>	Mehboob	<b>Date Tested</b>	15-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	---------	--------------------	-------------	---	------

<b>S #</b>	<b>Prerequisites:</b>
1	Access to Chrome Browser.
2	Admin should be logged in.
3	A Route must already be added.

<b>S #</b>	<b>Test Data</b>
	N/A

**Test Scenario**

Admin tries to delete a Route.

<b>Step #</b>	<b>Step Details</b>	<b>Expected Results</b>	<b>Actual Results</b>	<b>Pass / Fail / Not executed / Suspended</b>
1	Go to Routes menu	menu should open	As Expected	Pass
2	Click on the delete icon of the desired route.	A dialog box for confirmation should be displayed	As Expected	Pass
3	Click on Delete	The Route should be deleted permanently	As Expected	Pass



<b>Test Case ID</b>	RMS_024	<b>Test Case Description</b>	User functionality for searching a Stop		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

**QA Tester's Log**

When the user searches for a stop all the matching routes will be displayed and the user will select the desired stop to view details..

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	15-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

<b>S #</b>	<b>Prerequisites:</b>
1	Access to Chrome Browser.
2	User should be logged in.
3	A Stop must already be added.

<b>S #</b>	<b>Test Data</b>
	N/A

**Test Scenario**

User tries to search for a stop.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to Stops menu	menu should open	As Expected	Pass
2	Search for the Stop in the search bar.	Show Suggestions	As Expected	Pass
3	Select the desired Stop.	All the routes should be displayed which consist of that stop	As Expected	Pass

<b>Test Case ID</b>	RMS_025	<b>Test Case Description</b>	User functionality for searching a Stop that does not exist.		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

**QA Tester's Log**

If the searched stop does not exist the user will not be shown any suggestion and thus won't be shown any wrong details.

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	15-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

<b>S #</b>	<b>Prerequisites:</b>
1	Access to Chrome Browser.
2	User should be logged in.

<b>S #</b>	<b>Test Data</b>
	N/A

**Test Scenario**

User tries to search for a stop that does not exist.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to Stops menu	menu should open	As Expected	Pass
2	Search for the Stop in the search bar.	No suggestion Should be Shown to select from.	As Expected	Pass

<b>Test Case ID</b>	RMS_026	<b>Test Case Description</b>	User functionality for Viewing Routes		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

**QA Tester's Log**

All the available routes are displayed in the route menu and the details will be shown when selected.

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	15-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

<b>S #</b>	<b>Prerequisites:</b>
1	Access to Chrome Browser.
2	User should be logged in.
3	Any route must already be added.

<b>S #</b>	<b>Test Data</b>
	N/A

**Test Scenario**

User tries to view a Route.

<b>Step #</b>	<b>Step Details</b>	<b>Expected Results</b>	<b>Actual Results</b>	<b>Pass / Fail / Not executed / Suspended</b>
1	Go to Routes menu	menu should open and the routes should be displayed there.	As Expected	Pass
2	Click on the desired Route	The route should expand and stop details should be shown	As Expected	Pass

<b>Test Case ID</b>	RMS_027	<b>Test Case Description</b>	User functionality for filing a Complaint		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

<b><u>QA Tester's Log</u></b>	The complaint is submitted and the database is updated to show Admin the complaint.
-------------------------------	---

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	15-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

<b>S #</b>	<b>Prerequisites:</b>
1	Access to Chrome Browser.
2	User should be logged in.

<b>S #</b>	<b>Test Data</b>
1	Roll No = 2023se3
2	Complaint = "Buses are overcrowded"

<b><u>Test Scenario</u></b>	User tries to File a Complaint.
-----------------------------	---------------------------------

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to Complaint menu	menu should open .	As Expected	Pass
2	Fill in the complaint	The complaint should be entered	As Expected	Pass
3	Submit	The complaint should be submitted and database should be updated	As Expected	Pass

<b>Test Case ID</b>	RMS_028	<b>Test Case Description</b>	User functionality for filing a Complaint with wrong credentials.		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

<b><u>QA Tester's Log</u></b>	The complaint is not being submitted and an error message is displayed to the user.
-------------------------------	---

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	15-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

S #	Prerequisites:
1	Access to Chrome Browser.
2	User should be logged in.

S #	Test Data
1	Roll No = 2023
2	Complaint = "Buses are overcrowded"

<b><u>Test Scenario</u></b>	User tries to file a complaint with wrong credentials.
-----------------------------	--

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to Complaint menu	menu should open .	As Expected	Pass
2	Fill in the complaint	The complaint should be entered	As Expected	Pass
3	Submit	The complaint should not be submitted and an invalid credentials error msg should be displayed to the user.	As Expected	Pass

<b>Test Case ID</b>	RMS_029	<b>Test Case Description</b>	User functionality for updating Profile		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

**QA Tester's Log** The User profile is successfully updated.

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	15-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

S #	Prerequisites:
1	Access to Chrome Browser.
2	User should be logged in.

S #	Test Data
1	Full Name = "Muhammad Abdullah"
2	Phone No. = 03012200111
3	Address = "Uet, Lahore"

**Test Scenario** User tries to update Profile.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to Edit Profile menu	menu should open .	As Expected	Pass
2	Click on Edit Profile	Profile Editing form should open	As Expected	Pass
3	Fill in the details	Details should be filled	As Expected	Pass
4	CLick on Update	Update Profile SUccessfully	As Expected	Pass

<b>Test Case ID</b>	RMS_030	<b>Test Case Description</b>	User functionality for updating Profile with wrong credentials.		
<b>Created By</b>	Abdullah	<b>Reviewed By</b>	Mehboob	<b>Version</b>	1.0.1

**QA Tester's Log** The profile is not updated and an error message is displayed.

<b>Tester's Name</b>	Abdullah	<b>Date Tested</b>	15-Dec-2024	<b>Test Case (Pass/Fail/Not Executed)</b>	Pass
----------------------	----------	--------------------	-------------	---	------

S #	Prerequisites:
1	Access to Chrome Browser.
2	User should be logged in.

S #	Test Data
1	Full Name = "Muhammad Abdullah"
2	Phone No. = 030120111
3	Address = "Uet, Lahore"

**Test Scenario** User tries to update Profile with wrong credentials.

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Go to Complaint menu	menu should open .	As Expected	Pass
2	Fill in the complaint	The complaint should be entered	As Expected	Pass
3	Submit	The profile should not be updated and an invalid input error msg should be displayed to the user.	As Expected	Pass