

Fuel log application user testing

Authorization details - test accounts (will not be in full app release)									
username ID	name	role	password						
10001	admin	Employer	test password						
10002	John Smith	Employee	johnSmith						
Back end user development testing for Fuel log API using POSTMAN route tester									
Date (dd/mm/yyyy)	Test description	Username ID performing test	Route (127.0.0.1:4001)	Request Method	Request body	Predicted Response	Actual Response	Overall Evaluation	Comments
23-Aug-2023	Login route that will accept basic authentication header with login details. These login details are decoded and compared to the db user details and on success will return a cookie with JWT. Test with correct details	10001	/login	GET	N/A - login details in request header	{ "message": "Login successful" }	{ "message": "Login successful" }	PASS	
23-Aug-2023	Passing in either incorrect username ID or password into the basic authentication header	10001	/login	GET	N/A - login details in request header	{ "authError": "Invalid Username/password" }	{ "authError": "Invalid Username/password" }	PASS	Either a incorrect username or password should give the same message so that it can't give information about which is incorrect, in this case it does
23-Aug-2023	Retrieve an array of JSON data containing all employee details.	10001	/employed	GET	N/A	[ { "id": "\$generated ID", "name": "\$employee name", "username_id": "\$employee ID", ... } ]	[{"_id": "64e2d99e4727ef48a894d36", "name": "John Smith", "username_id": "10002", ... } ]	PASS	Employee list should exclude password from returned response, which it does in this case
Front end user development testing for Fuel log React web application									
Date (dd/mm/yyyy)	Test description	Username ID	Route (localhost:5173)	Inputted data on page	Prediced outcome	Actual outcome	Overall Evaluation	Comments	Additional/ Future actions
2-Sep-2023	Attempt login as an employee	10002	/	username and password (found in this doc with auth details)	Reroutes to employee dashboard	Successfully logged in to employee dashboard	PASS	Sometimes login takes around a minute. This is due to the render server that goes into a sleep state if there hasn't been server activity for a while. This issue cannot be resolved at the time as it is a side effect of the tier account (free) that was used for the deployment of the API server	none
2-Sep-2023	Create a new log entry as an employee	10002	/employee/dashboard/new/log/all	Select Vehicle: HRT3; Current ODO (km): 15003; Added Fuel (L): 45;	Creates a log entry and returns us back to the employee dashboard	Returned back to employee dashboard with a prompt of successful log entry and asking if request for log deletion	PASS	Each vehicle asset have an odometer field which is used for a new log entry to determine distances and fuel usage data for other parts of app, so if a odometer number is inputted that is lower than the last record a error message appears and asks to input a number higher than it.	none
2-Sep-2023	Request a delete of newly created log from previous test	10002	/employee/dashboard/home	None	Pressing request delete will render the employee dashboard back to display the normal monthly report details	Monthly report details replaces the request log deletion prompt	PASS	The employer will now have a chance to review the request log to see if it will be deleted or kept	none
2-Sep-2023	Logout of employee account	10002	/employee/dashboard/home	None	Pressing logout button should take us back to the Login page of the app	Went back to login page and cookie associated with account is removed	PASS	As the states are returned back to defaults and the cookie is destroyed, the employee account cannot be accessed without relogin	none
2-Sep-2023	Attempt login as an employer	10001	/	username and password (found in this doc with auth details)	Reroutes to employer dashboard	Successfully logged in to employer dashboard	PASS	Same issue with employee login where server may need to awaken before login can occur, roughly a minute	none
2-Sep-2023	Set a date range and select vehicle so that distance and fuel usage information is displayed in table on employer dashboard	10001	/employer/dashboard/home	From date: 1/08/2023; To date: 31/08/2023; Select vehicle: HRT1	display distance and fuel information in table, also display date range at top of page	vehicle usage information displayed correctly in table and correct date range appears as a header	PASS	If a wrong date range is inputted, an error message appears asking to put the To date to on or after the From date, also if a correct date range is used but there is no data available then no vehicles can be selected	May be worth showing a message in a future version where if no data is available then a message appears informing the user. This can help alleviate some confusion as to why no vehicles can be selected.
2-Sep-2023	Select a vehicle for distance V's fuel graph to display graph information	10001	/employer/dashboard/home	Selecting vehicle 'HRT1' from dropdown menu above graph	Selecting vehicle should display plot points of vehicle	Graph displayed correct information	PASS	Due to inactivity, the graph took a while to display information as the API server was awoken from a sleep state with the data request.	May need to look into either upgrading account of API server so that it doesn't go to sleep or display additional information to convey that it may take a while for data to appear.
2-Sep-2023	Add a vehicle to company assets	10001	/employer/dashboard/vehicle/new	Car make: Nissan; Model: Patrol; Year: 2015; Asset ID: HRT5; Registration: ABC123; Uploaded .png of a Nissan Patrol	Add a new vehicle to list and reroute back to vehicles section in employers section	Added vehicle successfully and rerendered vehicle list to show new vehicle	PASS	When adding a vehicle, all except the image is mandatory.	none
2-Sep-2023	Edit newly created vehicle that was just added	10001	/employer/dashboard/all/vehicles/edit/HRT5	All details kept same except for: Year: 2017; Registration: TEST1123;	Change current vehicle HRT5 year and rego details and reroute back to vehicle list	Vehicle was edited successfully and updated was displayed in list	PASS	While it may indicate that a vehicle can only have .png, jpg images also work	none
2-Sep-2023	Delete newly created vehicle (HRT5)	10001	/employer/dashboard/all/vehicles	None	When delete icon is clicked next to vehicle in list, a prompt will ask to confirm deletion and when confirmed it will remove vehicle and rerender list	Vehicle was deleted and list was rerender to indicate removed vehicle	PASS	none	none
2-Sep-2023	Add an employee	10001	/employer/dashboard/all/employees	Full name: Jane Smith; Employee ID: 11000; Password: 12345678;	When new employee button is pressed, a box with employee inputs should pop up with submit button. When submitted, a new employee should be added to list and employee list should be rerendered	Added employee successfully and rerender list to show new employee	PASS	none	none

## Fuel log application user testing

2-Sep-2023	Update newly created employee	10001	/employer/dashboard/all/employees	only changing name to: Full Name: Jamey Smith;	When edit button next to employee is pressed, a box with employee details should appear already populated in the input boxes. When the name is changed and submitted, it should update employee detail, close box and re-render list with updated details	Updated employee details appears on re-render list	PASS	none	none
2-Sep-2023	Delete newly created employee (Jamey Smith)	10001	/employer/dashboard/all/employees	None	When delete icon is pressed next to employee, a prompt should come up to confirm deletion. When confirmed, the employee should be removed from list, the prompt closed and the list re-rendered.	Employee successfully deleted	PASS	none	none
2-Sep-2023	Check log details	10001	/employer/dashboard/all/logs	None	When a log on the list is pressed, the log details submitted by the employee should appear in a box	Log detail successfully shown in a pop up box	PASS	none	Slight overflow issue with the display, not top priority at the moment but would be nice to be styled a little better in future versions
2-Sep-2023	Delete a log	10001	/employer/dashboard/all/logs	None	When the delete icon next to a log is pressed, a prompt is shown to ask for confirmation. If confirmed, the log is deleted and the list is re-rendered.	Log deleted successfully and log list was re-rendered to show log was removed	PASS	none	none
2-Sep-2023	Confirm a employee log deletion request	10001	/employer/dashboard/all/logs/reviews	None	If there are log reviews in the list, a selection of one of these should bring up a box that will contain the log details and buttons to either keep or delete the log. When the log delete request is confirmed, the affected log is removed (can be checked in log list) and the review is removed.	Log was deleted (rechecked from log list) and review was also removed from list	PASS	A new review can be generated from an employee adding a log and making a log request delete.	none
Front end user production testing for Fuel log React web application									
Date (dd/mm/yyyy)	Test description	Username ID	Route (https://fuel-log.onrender.com/)	Inputted data on page	Prediced outcome	Actual outcome	Overall Evaluation	Comments	Additional/ Future actions
3-Sep-2023	Attempt login as an employee	10002	/	username and password (found in this doc with auth details)	Reroutes to employee dashboard	successfully logged in, monthly report displays correct information	PASS	none	none
3-Sep-2023	Create a new log entry as an employee	10002	/employee/dashboard/new/log/all	Select Vehicle: HRT3; Current ODO (km): 15003; Added Fuel (L): 45;	Creates a log entry and returns us back to the employee dashboard	created a log and returned back to dashboard	PASS	none	none
3-Sep-2023	Request a delete of newly created log from previous test	10002	/employee/dashboard/home	None	Pressing request delete will render the employee dashboard back to display the normal monthly report details	got a response indicating successful deletion	PASS	none	none
3-Sep-2023	Logout of employee account	10002	/employee/dashboard/home	None	Pressing logout button should take us back to the Login page of the app	returned back to login page	PASS	none	none
3-Sep-2023	Attempt login as an employer	10001	/	username and password (found in this doc with auth details)	Reroutes to employer dashboard	Successfully logged in and routed to employer dashboard	PASS	none	none
3-Sep-2023	Set a date range and select vehicle so that distance and fuel usage information is displayed in table on employer dashboard	10001	/employer/dashboard/home	From date: 1/09/2023; To date: 31/08/2023; Select vehicle: HRT1	display distance and fuel information in table, also display date range at top of page	table data rendered successfully and displaying correct information	PASS	none	none
3-Sep-2023	Select a vehicle for distance Vs fuel graph to display graph information	10001	/employer/dashboard/home	Selecting vehicle 'HRT1' from dropdown menu above graph	Selecting vehicle should display plot points of vehicle	render information onto a scatter graph	Partial Pass	Sometimes negative information appears on the graph, suspect it may be due to tests done with JEST on the back end API.	Have to investigate at a later date on if testing is causing the fake data. For the moment will drop the database and reseed.
3-Sep-2023	Add a vehicle to company assets	10001	/employer/dashboard/vehicle/new	Car make: Nissan; Model: Patrol; Year: 2015; Asset ID: HRT5; Registration: ABC123; Uploaded .png of a Nissan Patrol	Add a new vehicle to list and reroute back to vehicles section in employers section	Add vehicle successfully and returned to vehicle list	PASS	none	none
3-Sep-2023	Edit newly created vehicle that was just added	10001	/employer/dashboard/all/vehicles/edit/HRT5	All details kept same except for: Year: 2017; Registration: TEST123;	Change current vehicle HRT5 year and rego details and reroute back to vehicle list	Updated successfully and updated vehicle details is re-render in vehicle list	PASS	none	none
3-Sep-2023	Delete newly created vehicle (HRT5)	10001	/employer/dashboard/all/vehicles	None	When delete icon is clicked next to vehicle in list, a prompt will ask to confirm deletion and when confirmed it will remove vehicle and re-render list	Successfully deleted vehicle and list re-render to show vehicle was removed	PASS	none	none
3-Sep-2023	Add an employee	10001	/employer/dashboard/all/employees	Full name: Jane Smith; Employee ID: 11000; Password: 12345678;	When new employee button is pressed, a box with employee inputs should pop up with submit button. When submitted, a new employee should be added to list and employee list should be re-rendered	Employee was created successfully and list of employees re-rendered with new employee now shown	PASS	none	none

## Fuel log application user testing

3-Sep-2023	Update newly created employee	10001	/employer/dashboard/all/employees	only changing name to: Full Name: Jamey Smith;	When edit button next to employee is pressed, a box with employee details should appear already populated in the input boxes. When the name is changed and submitted, it should update employee detail, close box and rerender list with updated details	Employee details updated successfully and list rerender to show updated name	PASS	none	none
3-Sep-2023	Delete newly created employee (Jamey Smith)	10001	/employer/dashboard/all/employees	None	When delete icon is pressed next to employee, a prompt should come up to confirm deletion. When confirmed, the employee should be removed from list, the prompt closed and the list rerendered.	Employee was successfully deleted and rerendered list to show employee now removed	PASS	none	none
3-Sep-2023	Check log details	10001	/employer/dashboard/all/logs	None	When a log on the list is pressed, the log details submitted by the employee should appear in a box	Major error occurred relating to deleted employee information	FAIL	A deleted employee was causing a problem with the log display which caused a catastrophic error	Issue was fixed and now logs can be checked without issue
3-Sep-2023	Delete a log	10001	/employer/dashboard/all/logs	None	When the delete icon next to a log is pressed, a prompt is shown to ask for confirmation. If confirmed, the log is deleted and the list is rerendered.	Log deleted successfully and removed from log list	PASS	none	none
3-Sep-2023	Confirm a employee log deletion request	10001	/employer/dashboard/all/logs/reviews	None	If there are log reviews in the list, a selection of one of these should bring up a box that will contain the log details and buttons to either keep or delete the log. When the log delete request is confirmed, the affected log is removed (can be checked in log list) and the review is removed.	Log was checked in list to make sure of deletion, which was confirmed and the review itself was also removed	PASS	none	none