Ensek Tech Test API Testing Logged Issues

Notes: Have left out Severity/priority, any linked test case Id's etc consciously to keep this targeted / relevant to nature of task.

ID	Type (Defect/ Query/ Observation)	Title	Description / Steps to Replicate
1	Defect	GET ENSEK/orders - inconsistent casing on object key 'id'	API resource: GET ENSEK/orders The response containing the details of the energy orders shows inconsistent casing for the results on object key "id". In some cases it is "Id". This may/would causes issues for API consumers as would have to make sure they implement a case insensitive approach to extracting said data.
2	Defect	GET ENSEK/orders - time is 1 hour behind	API resource: GET ENSEK/orders The response containing the details of the energy orders shows a time 1 hour less than current time
3	Observation	GET ENSEK/orders - time format not UST likely making it more difficult for API consumption	API resource: GET ENSEK/orders What is the requirement on the date/time format. I believe UST format would be more beneficial. E.g. 2025-10-12T14:37:45.1234567Z
4	Defect	GET ENSEK/orders - inconsistent energy type name for electric	API resource: GET ENSEK/orders The response object key "fuel" has inconsistent values for energy type "electric". Inconsistent values seen: electric, Elec
5	Observation	GET ENSEK/orders - inconsistent energy type name for electric	API resource: GET ENSEK/orders The response returns station test data, of which there is a duplicate orderId. Json can have duplicate objects, however to confirm / review to make sure only unique / new GUID's are being generated when an order is being created.

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6	Defect	PUT ENSEK/buy/{type id}/{qty} - response body structure	API resource: PUT ENSEK/buy/{type id}/{qty}
			The response returned following a successful order is very difficult to process. It contains key information embedded in a string. Would recommend key information in own object keys
			
			Example of response being returned making it more difficult / risk for callers/consumers of the API:
			
			``json
			{
			    "message": "You have purchased 2999 m³ at a cost of 0.34 there are 1 units remaining. Your order id is 4a5a9bed-8dba-4aa5-9cb5-6ef4fb4930f8."
			}
			``

7	Defect	PUT ENSEK/buy/{type id}/{qty} - Allows ordering of units that exceeds available units	API resource: PUT ENSEK/buy/{type id}/{qty} - can successfully order units that exceed units available Example request PUT https://qacandidatetest.ensek.io/ENSEK/buy/1/1000000 Response {"message":"You have purchased -997000 m\u00b3 at a cost of 340000.0 there are 1000000 units remaining. Your order id is 0a47b3ce-e4a3-430c-a1fb-ffd31108b300."}
8	Defect	PUT ENSEK/orders/{orderId} - Allows ordering of units that exceeds available units	PUT ENSEK/orders/{orderId} - can successfully order units that exceed units available

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9	Defect	DELETE ENSEK/orders/{orderId} - calling throws HTTP 500	API resource: DELETE ENSEK/orders/{orderId} Calling DELETE for a valid order id results in a HTTP 500 ```{ "message": "Internal Server Error" }```
10	Defect	GET ENSEK/orders/{orderId} - the associated order is not being returned . It returns a different one	API resource: GET ENSEK/orders/{orderId} The incorrect order is being returned. Example from execution: Request: GET https://qacandidatetest.ensek.io/ENSEK/orders/080d9823-e874-4b5b-99ff-2021f2a59b24 Response: {"fuel":"gas","id":"0a47b3ce-e4a3-430c-a1fb-ffd31108b300","quantity":1000000,"time":"Sun, 12 Oct 2025 15:26:41 GMT"}
11	Defect/Query	PUT ENSEK/buy/{type id}/{qty} - unexpected object key "energy_id' when reviewing order just placed	API resource: PUT ENSEK/buy/{type id}/{qty} After an order has been placed, when retrieving the data via GET there is an unexpected object key "energy_id".Does this indicate that the static test data has not been updated following any recent API updates, incorrectly creating this object key on ordering, or maybe as per initial requirement? If test data "old" then to find time to review and refresh the data.
12	Query	Security: Authentication on the API - Should any operation require a bearer token to be passed?	General query - for any of the API endpoints, should they be secured (like '/reset') by requiring the bearer token to be passed?