Pedals Up

QA Assignment

Please find the attachment for the Pedals Up QA Role

Question 1 -

The workflow of an ATM is defined by the following rules:

• The ATM goes into the WORKING state with the TURN ON action.
• When in the WORKING state, the ATM can:
。 ACCEPT CARD which switches it to the CARD ACCEPTED state.
• Start the AUTOMATIC TESTING action which switches it to the SELF TESTING state.
• Within CARD ACCEPTED the ATM can:
。 CALL POLICE which switches it to the WAITING POLICE state.
• PROCESS TRANSACTION which switches it to the TRANSACTION PROCESSED state.
• From the TRANSACTION PROCESSED state the ATM goes into the SELF TESTING state with the PULL CARD action.
• When in the SELF TESTING state, the ATM can either: • PASS, which switches it to the WORKING state.
• FAIL, which switches it to the WAITING SERVICE state.
• From the WAITING SERVICE state, the ATM can either:
• Be SERVICED, which puts the ATM into the WORKING state.
• Be RETESTED, which returns the ATM to the SELF TESTING state.
Prepare the optimal (effective and efficient) set of test cases required to test this workflow.

Cover all state transitions and minimize repeating the same state transitions.
Kindly make state transition diagrams
Note:
You can take help of draw.io/miro board/excalidraw in order to make the state transtion diagrams. Please avoid taking help of any AI tools that may lead to the the suspension of your application

Question 2 -

You have an input field that accepts an integer. The valid input is a positive two-digit integer. Specify test cases according to equivalence partitioning and boundary value analysis testing techniques.

Question 3 -

Please go through the APIs given here, https://reqres.in/
For the following APIs - List users, Single user, Register, Login - You will be required to write the different **test cases for the APIs**, along with the API response.
Please also attach the respective screenshots

Please create your response in the form of a Word document or a Spreadsheet.
Kindly try to finish up this task within 2 hours.

Please reach out to unnati.ruparelia@pedalsup.com in case of any queries.

Good Luck!