Introduction

Let's imagine the following scenario. We have a teller application called "UiDemo". We need to automate the process of inserting transactions. The transaction-related input data is stored in an Excel file. You might think this process is simple enough – we need to use a Read Range activity, then to loop through each row in the resulting DataTable to register the transactions in UiDemo. However, the challenge here is that due to the very large number of transactions, multiple robots are required to work at the same time. According to the Solution Architect and the Business Analyst, we need to allocate the process to as many as 5 robots.

Additional Information: The input Excel file has three columns – one for each of the three fields to be filled.

The BA has identified two Business Exceptions:

- Invalid input data – Values are not numbers.
- CashIn too large – we cannot process CashIn values larger than 1000$.

The Solution Architect has required to retry failed transactions two times. In case of an Application Exception, the robot should recover from the error and continue working. If the last retry fails, an error is thrown. The retry of a transaction should be logged as a warning.

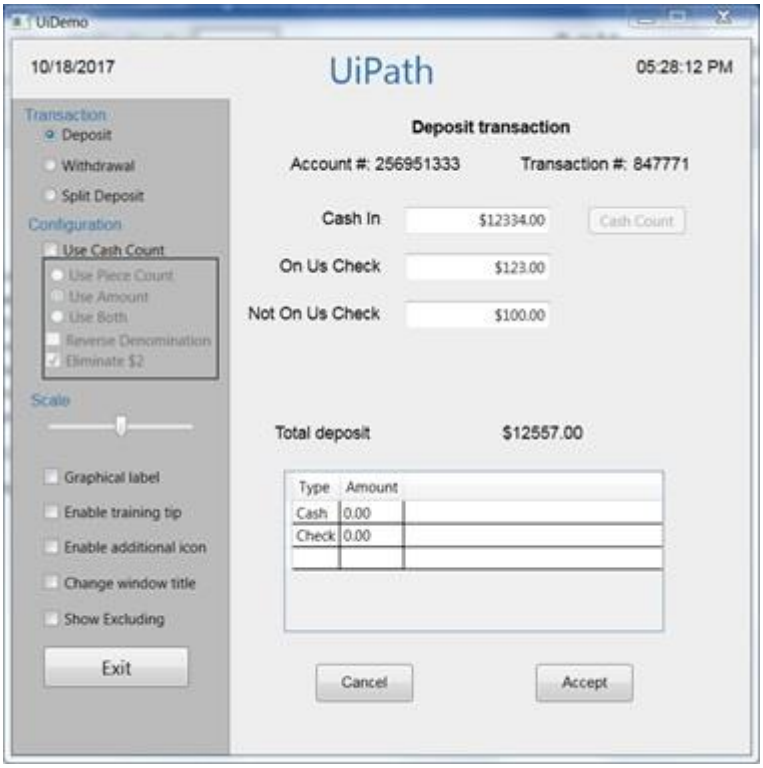
Create an automation that accomplishes the above task.

Hints: Use Orchestrator Queues and the REFramework.

You can download UiDemo here. A sample Excel file can be found here.

Find the credentials for UiDemo below.

- Username: admin
- Password: password


UiDemo
10/18/2017
UiPath
05:28:12 PM
Transaction
Deposit
Withdrawal
Split Deposit
Configuration
Use Cash Count
Use Piece Count
Use Amount
Use Both
Reverse Denomination
Eliminate $2
Scale
Graphical label
Enable training tip
Enable additional icon
Change window title
Show Excluding
Exit
Deposit transaction
Account #: 256951333
Transaction #: 847771
Cash In
$12334.00
Cash Count
On Us Check
$123.00
Not On Us Check
$100.00
Total deposit
$12557.00
Type
Amount
Cash
0.00
Check
0.00
Cancel
Accept