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| 6 – Integration & Delivery |
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# Daily & Weekly Scripts

## Daily Script

#!/bin/bash

now**=$(date +%F-%H%M%S)** #Get the current date and format it.

j**=**1 #Counter used for the test numbers

**for** i **in** inputs**/$1/**input**\*** #For every input file in inputs folder

**do**

**mkdir** -p outputs**/**"$now" #Create the new folder with the date, to keep tracking of the results

python QuinteracTest.py **-**i "$i" -s outputs**/**"$now"**/**sum"$j"**.**txt -a ValidAccountFile.txt #Run the sofware and output in a log file

j**=$((**j+1**))**

**echo** **$j**

**done**

**cat** outputs**/**"$now"**/**sum**\***

**for** i **in** outputs**/**"$now"**/**sum**\***

**do**

**sed** **-**i -b "/^00 000000 000000 00000000 000000000000000/d" "$i"

**sed** **-**i -b '/^$/,$d' "$i"

**done**

**cat** outputs**/**"$now"**/**sum**\*** **>** MasterTransactionFile.txt

**echo** '00 000000 000000 00000000 000000000000000' **>>** MasterTransactionFile.txt

python QuinteracBackEndTest.py **-**m MasterTransactionFile.txt -a MasterAccountFile.txt -o MasterAccountFile.txt

## Weekly Script

#!/bin/bash

**for** i **in** **{**1**..**5**}**

**do**

**./**DailyScript.sh Day"$i"

done

# Transaction Session Inputs

### Day 1 - Create

#### input01.txt

agent create 123456 Jim Cordy create 654321 James Rodger create 282282 Wendy Powley logout

### Day 2 - Deposit

#### input01.txt

agent deposit 123456 32700 deposit 282282 100 logout

#### input02.txt

retail deposit 654321 35200 deposit 282282 100 logout

### Day 3 - Withdraw

#### input01.txt

retail withdraw 123456 100 withdraw 282282 100 logout

#### input02.txt

agent withdraw 654321 200 logout

### Day 4 - Transfer

#### input01.txt

agent transfer 123456 282282 100 logout

### Day 5 - Delete

#### input01.txt

agent delete 282282 Wendy Powley logout

# Merged Transation Summary file

### Day 1 - Create

#### input01.txt

04 123456 000000 00000000 Jim Cordy

04 282282 000000 00000000 James Rodger

04 282282 000000 00000000 Wendy Powley

00 000000 000000 00000000 000000000000000

### Day 2 – Deposit

01 123456 000000 00032700 Jim Cordy

01 282282 000000 00000100 Wendy Powley

01 654321 000000 00035200 James Rodger

01 282282 000000 00000100 Wendy Powley

00 000000 000000 00000000 000000000000000

### Day 3 - Withdraw

02 123456 000000 00000100 000000000000000

02 282282 000000 00000100 000000000000000

02 654321 000000 00000200 000000000000000

00 000000 000000 00000000 000000000000000

### Day 4 - Transfer

03 123456 282282 00000100 000000000000000

00 000000 000000 00000000 000000000000000

### Day 5 - Delete

05 282282 282282 00000000 Wendy Powley

00 000000 000000 00000000 000000000000000

# Master Accounts File after 5 Daily Runs

### Day 1 – Create

123456 00000000 Jim Cordy

654321 00000000 James Rodger

282282 00000000 Wendey Powley

### Day 2 – Deposit

123456 00032700 Jim Cordy

654321 00035200 Jim Roger

282282 00000200 Wendy Powley

### Day 3 – Withdraw

123456 00032600 Jim Cordy

654321 00035000 Jim Roger

282282 00000100 Wendy Powley

### Day 4 - Transfer

123456 00032700 Jim Cordy

654321 00035000 Jim Roger

282282 00000000 Wendy Powley

### Day 5 – Delete

123456 00032700 Jim Cordy

654321 00035000 Jim Roger

# Integration Defect Report

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| What has been tested | **Nature of the failure** | **Error in the code** | **Actions taken to fix it** |
| Delete an account (BackEnd) | Didn't check if the amount is zero before deletion | Didn't check the right amount | Modify the existing check to make it match |
| Deposit of a huge number (BackEnd) | Allowed the deposit even is more the results gives more than 8 digits | No check before adding the numbers | Added a statement to verify that the result is < 8 digits |
| Check negative number (BackEnd) | Used to return False instead of True | Result forced as a string | Removed the string forcing |