

# **CISC 327 INTEGRATION AND DELIVERY**

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## Source Listing

Files	Where to Find
daily script	<b><i>327Project/daily.sh</i></b>
Weekly script	<b><i>327Project/weekly.sh</i></b>

## PrintOut

Files	Where to Find
Transaction Session Inputs	327project/sessions Here you will find all the generated transaction inputs created by our generateSessions script when we run daily.sh. Each set of daily run will have 10 sessions.
Merged Transaction Summary File	In daily script, once all the transaction session inputs have been created, daily script will run the FrontEnd executable. After the FrontEnd executable finishes, mergedSummaries.sh will be called to merge all the transaction summaries and will save it to <b><i>./backend/MergedTransactions.txt</i></b>
Master Accounts File after each of the 5 daily runs	After each run of the weekly script, a copied version of the master accounts file will be saved in <b><i>./backend/masterAccountsPrintOuts.</i></b>  Each file there will correspond to each day that the weekly script executed.

## Integration Defect Report

### Error#1:

Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException: 2  
at BackEnd.deleteAccount(BackEnd.java:140)  
at BackEnd.main(BackEnd.java:57)

### **How We Fixed It:**

In our deleteAccount method of BackEnd where we were checking the names, we used `accounts.get(index)[2]` which caused the `ArrayIndexOutOfBoundsException` error. To fix this error, we just had to simply change it to `accounts.get(index)[0]` to match the index of the name.

### **Error#2:**

```
java.io.FileNotFoundException: .\MasterAccounts.txt (The system cannot find the file specified)
    at java.io.FileInputStream.open0(Native Method)
    at java.io.FileInputStream.open(Unknown Source)
    at java.io.FileInputStream.<init>(Unknown Source)
    at java.io.FileInputStream.<init>(Unknown Source)
    at java.io.FileReader.<init>(Unknown Source)
    at BackEnd.main(BackEnd.java:28)
```

The problem occurred in our weekly script when we tried to run the BackEnd executable immediately after running the daily script. We believe that weekly script had trouble allocating BackEnd directory files after running the FrontEnd.

### **How We Fixed It:**

In our weekly script, all we had to do was add **`cd ./backend`** after daily script finishes so that we start running BackEnd it would know that MasterAccounts.txt was saved in `./backend` and where to save a copied version of the MasterAccounts file for each daily run.