

Some exceptions and recovery measures

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AccountId cannot be blank or zero-length field

```
Exception in thread "main" java.lang.IllegalArgumentException: AccountId
is either blank or empty. AccountId cannot be a zero-length string
    at
com.google.common.base.Preconditions.checkArgument(Preconditions.java:142)
    at
au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
jvmArgsPreconditions(FinancialTransactionApplication.java:60)
    at
au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
mapJvmArgs(FinancialTransactionApplication.java:43)
    at
au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
main(FinancialTransactionApplication.java:22)
```

from and to cannot be blank or zero-length field

```
Exception in thread "main" java.lang.IllegalArgumentException: from is
either blank or empty. from cannot be blank or zero-length string
    at
com.google.common.base.Preconditions.checkArgument(Preconditions.java:142)
    at
au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
jvmArgsPreconditions(FinancialTransactionApplication.java:75)
    at
au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
mapJvmArgs(FinancialTransactionApplication.java:51)
    at
au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
invoke(FinancialTransactionApplication.java:33)
    at
au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
main(FinancialTransactionApplication.java:28)
```

Invalid from or to dates

Date must be in the following format `dd/MM/yyyy HH:mm:ss` For example, `20/10/2018 19:00:00`

```
Exception in thread "main" java.lang.IllegalArgumentException: 20/10/2018
19:00:0 is an invalid datetime format.
    Please use the following format (dd/MM/yyyy HH:mm:ss)
        at
    au.com.mebank.codingchallenge.joshluisaac.transactionprocessing.Transaction
nUtils.parseDate(TransactionUtils.java:38)
        at
    au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
createTransactionQueryScope(FinancialTransactionApplication.java:96)
        at
    au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
invoke(FinancialTransactionApplication.java:34)
        at
    au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
main(FinancialTransactionApplication.java:28)
    Caused by: java.time.format.DateTimeParseException: Text '20/10/2018
19:00:0' could not be parsed at index 17
        at
    java.base/java.time.format.DateTimeFormatter.parseResolved0(DateTimeFormat
ter.java:2046)
        at
    java.base/java.time.format.DateTimeFormatter.parse(DateTimeFormatter.java:
1948)
            at java.base/java.time.LocalDateTime.parse(LocalDateTime.java:492)
        at
    au.com.mebank.codingchallenge.joshluisaac.transactionprocessing.Transaction
nUtils.parseDate(TransactionUtils.java:36)
```

The application cannot find the CSV dataset file

Please check `-DcsvFile="sampleDataSet.csv"` argument

```
Exception in thread "main" java.nio.file.NoSuchFileException:
sampleDataSet.csv
    at
    java.base/sun.nio.fs.UnixException.translateToIOException(UnixException.ja
va:92)
        at
    java.base/sun.nio.fs.UnixException.rethrowAsIOException(UnixException.java
:111)
            at
    java.base/sun.nio.fs.UnixException.rethrowAsIOException(UnixException.java
:116)
                at
    java.base/sun.nio.fs.UnixFileSystemProvider.newFileChannel(UnixFileSystemP
rovider.java:178)
                    at
```

```
java.base/java.nio.channels.FileChannel.open(FileChannel.java:292)
    at
java.base/java.nio.channels.FileChannel.open(FileChannel.java:345)
    at java.base/java.nio.file.Files.lines(Files.java:4033)
    at java.base/java.nio.file.Files.lines(Files.java:4125)
    at
au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
createTransactionDataSet(FinancialTransactionApplication.java:112)
    at
au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
invoke(FinancialTransactionApplication.java:36)
    at
au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
main(FinancialTransactionApplication.java:28)
```

AccountId, to & from cannot be null

Please check `-DaccountId`, `-Dfrom` and `-Dto` JVM arguments

```
Exception in thread "main" java.lang.NullPointerException: accountId is
marked non-null but is null
    at
au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
jvmArgsPreconditions(FinancialTransactionApplication.java:68)
    at
au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
mapJvmArgs(FinancialTransactionApplication.java:51)
    at
au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
invoke(FinancialTransactionApplication.java:33)
    at
au.com.mebank.codingchallenge.joshluisaac.FinancialTransactionApplication.
main(FinancialTransactionApplication.java:28)
```