DB\_README+

**In the db\_upkeep folder:**

1. **Archives (directory)**
   1. 00-CurArchive -> contains the most recent backup that should be reverted to if the need arises
   2. Other archives, dated, optionally with the time

- should be in the format MM-dd-YYYY[\_HH:MM] Ex) APR-07-2020\_15:20

1. **backupFromArchive.sql**

-> resets the database to whatever archive data is currently stored in 00-CurArchive

1. **archive\_full.sql**

-> creates a csv file for each table in the database, containing all the data currently stored there

1. **archive\_non-userData.sql**

-> creates a csv file for each table in the database that does not have data associated with the users, containing all the data currently stored there

-> tables archived: Courses, Degrees, DegreeRequirements, Prerequisites, CreditConflicts

1. **archive\_userData.sql**

-> creates a csv file for each table in the database that has data associated with the users, containing all the data currently stored there

-> tables archived: Users, FavouriteList, CompletedList

1. **countCheck.sql**

-> a quick check to see if all data imported as it should from the csv.s, should know what the returned results are supposed to be beforehand

-> returns the number of distinct rows in the Courses, DegreeRequirements, CreditConflicts, and Prerequisites tables, as well as the contents of the Degrees tables

-> used in testing and setup of initial database during production

1. **createTables.sql**

-> deletes all previous tables and data, resetting all tables as empty

1. **non-userData\_createTables.sql**

-> deletes all previous tables and data that is not associated with the users, resetting all tables as empty

1. **non-userData\_reset.sql**

-> resets all tables and data that is not associated with the users to the starting state with csv files established for creation of the product

-> used in testing and setup of initial database during production

**To use any of 2-9, navigate to the query file through the path**

cd 370project/webServer/complete/src/main/query

**or wherever on the path you are, the open sqlite with**

sqlite3 ../../../UofSPlanner.db

**and type in**

.read [filename.sql]

**After using an archive\_ script, make a directory in accordance with the rules in 1) and move the files**

mkdir db\_upkeep/Archives/newArchive

mv \*\_archive.csv db\_upkeep/Archives/newArchive

**If the archived files are to be used as the current backups, remove the archive csv files to be replaced from 00-CurArchive using one of**

rm db\_upkeep/Archives/00-CurArchive/tablename\_archive.csv

rm db\_upkeep/Archives/00-CurArchive/\*

rm tablename\_archive.csv

**or others, depending on where you are, or whether you did a full archive or not.**

**Then move the new ones in with one of**

cp db\_upkeep/Archives/newArchive/\* db\_upkeep/Archives/00-CurArchive

cp ../newArchive/\* .

**or others, again depending on where you are.**

**\*In future, batch files or equivalent could be developed to handle this**