

DB_README+

In the db_upkeep folder:

1) Archives (directory)

- a. 00-CurArchive -> contains the most recent backup that should be reverted to if the need arises
- b. Other archives, dated, optionally with the time
 - should be in the format MM-dd-YYYY[_HH:MM] Ex) APR-07-2020_15:20

2) backupFromArchive.sql

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

3) archive_full.sql

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

4) 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

5) 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

6) 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

7) createTables.sql

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

8) non-userData_createTables.sql

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

9) 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**