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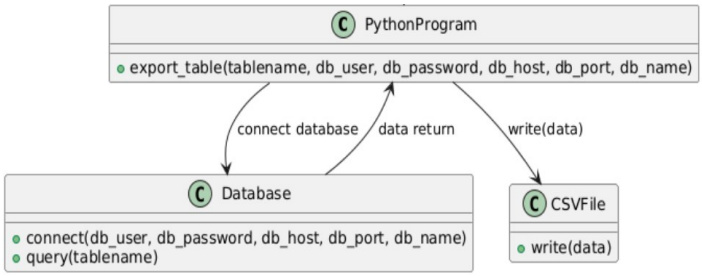
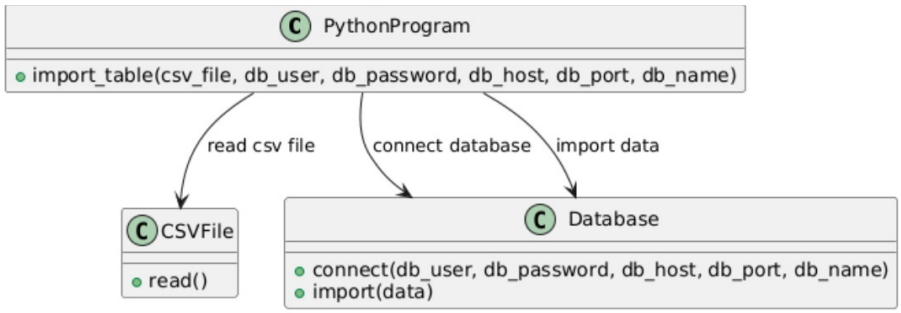
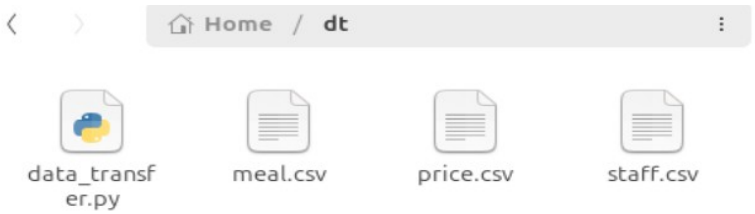
This homework assignment demonstrates how my program, written in Python, exports a Postgres table to a CSV file and then uses the same tool to import it back

Program Name: **data_transfer.py**
Programming Language: Python

Export Table to CSV	Usage: **python data_transfer.py export <tablename> --db_user <userid> --db_password <password> --db_host <servername> --db_port <serverport> --db_name <databasename>**
	
Import Table from CSV	Usage: **python data_transfer.py import <tablename> --csv_file <csv filename> --db_user <userid> --db_password <password> --db_host <servername> --db_port <serverport> --db_name <databasename>**
	



For example, we can export the meal table to a CSV file named 'meal.csv' After the administrator makes changes to the file, it can be imported back into the database and displayed on the meal screen page. The same procedure applies to the Price and Staff tables as well.

Export Table command

```
~/dt proj2 3.10.5 python data_transfer.py export meal --db_user postgres --db_password Abcd1234 --db_host l
ocalhost --db_port 5432 --db_name elderlydb
```

Import Table command

```
~/dt proj2 3.10.5 python data_transfer.py import meal --csv_file meal.csv --db_user postgres --db_password
Abcd1234 --db_host localhost --db_port 5432 --db_name elderlydb

2025-01-20 11:39:15,377 - INFO - Table cleared successfully.
2025-01-20 11:39:15,412 - INFO - Data uploaded successfully! 31 records imported.
~/dt proj2 3.10.5                                                    2891 11:45:11
```

日期	星期	早餐	午餐	下午茶	晚餐
2025年01月1日	星期三	燕麥粥配水果	烤雞沙拉	草本茶與餅乾	烤魚配蔬菜
2025年01月2日	星期四	炒蛋	蔬菜湯	蜂蜜優格	炒豆腐配米飯
2025年01月3日	星期五	全麥吐司	藜麥沙拉	新鮮水果	扁豆燉菜
2025年01月4日	星期六	香蕉菠菜奶昔	火雞三明治	餅乾與起司	烤雞配地瓜
2025年01月5日	星期日	堅果粥	菠菜與費塔起司沙拉	綠茶與鬆餅	蔬菜咖哩配米飯
2025年01月6日	星期一	優格配格蘭諾拉	烤蔬菜捲	水果沙拉	牛肉燉菜