Delivery 2: The Coffee database implemented in Python using SQLite

Usage

The program is located in `program.py`. The program assumes `coffeDB.db` exists with the correct tables.

If `coffeDB.db` is corrupted or missing, it can be generated with `createTables.py`. Additionally, the program `fillExampleData.py` can be run to fill the database with example data (Some of which is required for the user stories). Alternatively the script reset.sh can be run to delete, create and populate the database all at once.

When running `program.py`, you will be presented with a login screen:

```
Welcome to CoffeeDB
Email:
```

An example user exists with these credentials:

```
Welcome to CoffeeDB
Email: ola@normann.no
Password: besteOla123
```

After logging in successfully you will be presented with the following text:

```
Welcome Ola Normann
What do you want to do?
see most [v]alued coffees | add [t]asting |
view [u]sers | search [d]escription | [f]ilter coffees on location and method | [e]nd program:
```

You will now be logged in as Ola Normann. To select an option, enter the character marked in brackets and press enter

User stories

1 Adding a tasting

To add a tasting, start by entering `t` on the main menu. There you will get presented with some input fields. If you have loaded the example data provided you can enter the following for the tasting:

```
Roastery: Trondheim brewery Jacobsen & Svart
Coffee Name: Vinterkaffe 2022
Points: 10
Notes: Wow - an odyssey for the taste buds: citrus peel, milk chocolate, apricot!
```

Now you have added a new tasting from Ola Normann

2 See who has tasted the most unique coffees this year

To see who has tasted the most coffees this year, simply enter `u` from the main menu. If you have loaded the exaple data, you will get either of these outputs: - If you have not done user story 1

```
Users with tastings
===================
Ola Normann: 2 tastings
Per Kilo: 1 tasting
```

- If you have done user story 1

```
Users with tastings
===================
Ola Normann: 1 tasting
Per Kilo: 1 tasting
```

3 See the coffees with the highest value

To see the cofeess with the highest value, enter `v` in the main menu. If you have loaded the example data, you will get this output:

```
 Most valued coffees
==================
Roast:Oksana 2019
Roastery: Walulu
Price: 200
Average score: 9.0
----------------------
Roast:Vinterkaffe 2022
Roastery: Trondheim brewery Jacobsen & Svart
Price: 600
Average score: 5.0
----------------------
```

4 Search descriptions

To search the user and roastery descriptions of the coffees for a special phrase, enter `f` in the main menu. Then you will get the following prompt:

```
A roast is described as:
```

Here you can for example enter:

```
A roast is described as: floral
```

To get the following result (if you have loaded the example data):

```
 Coffees described as floral
============================
Roast: Oksana 2019
Roastery: Walulu
---------------
```

5 Filter based on countries and processing methods

To filter, enter `f` in the main menu. You will get the following prompt:

```
 Which countries would you like to see coffees from?
Provide a comma separated list:
```

Here you can enter a list of countries, like this:

```
 Which countries would you like to see coffees from?
Provide a comma separated list: Rwanda, Colombia
```

After this, you will get a list of all the available processing methods, and can choose one to exclude (or leave blank to include all). Enter `1` to exclude washed coffees:

```
 All processing methods:
1 : washed
2 : snowdried
Which processing method do you want excluded (enter to include all): 1
```

If you have loaded the example data, you will get the following result:

```
 ====================
Roast: Hola Amigo
Roastery: Compadre
---------------
```