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Submitting date: 2023/01/10

Bachelor / Artificial Intelligence

Object Oriented and Functional Programming with Python
Development Phase (DLBDSOOFPP01)

Table of content

Libraries

tabulate~=0.8.10
questionary~=1.10.0
python-dateutil~=2.8.2
pytest~= 7.2.0

Classes

⊕ ## AddHabit Class

This class is responsible for creating a new habit.

✎ ## EditHabit Class

This class helps users to edit the name of the habit, category type, and habit's unitset.

⚙ ## AnalyzeHabit Class

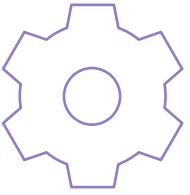This class is responsible for getting information and analyzing the habits.

📖 ## PredefinedHabits Class

This class reviews all predefined habits.

🗑 ## DeleteHabit Class

This class deletes the habit entirely from the Database.

Add a habit

Report/Check-off

Edit the existing habit

Menu

Off

Predefined Habits

Delete the habit
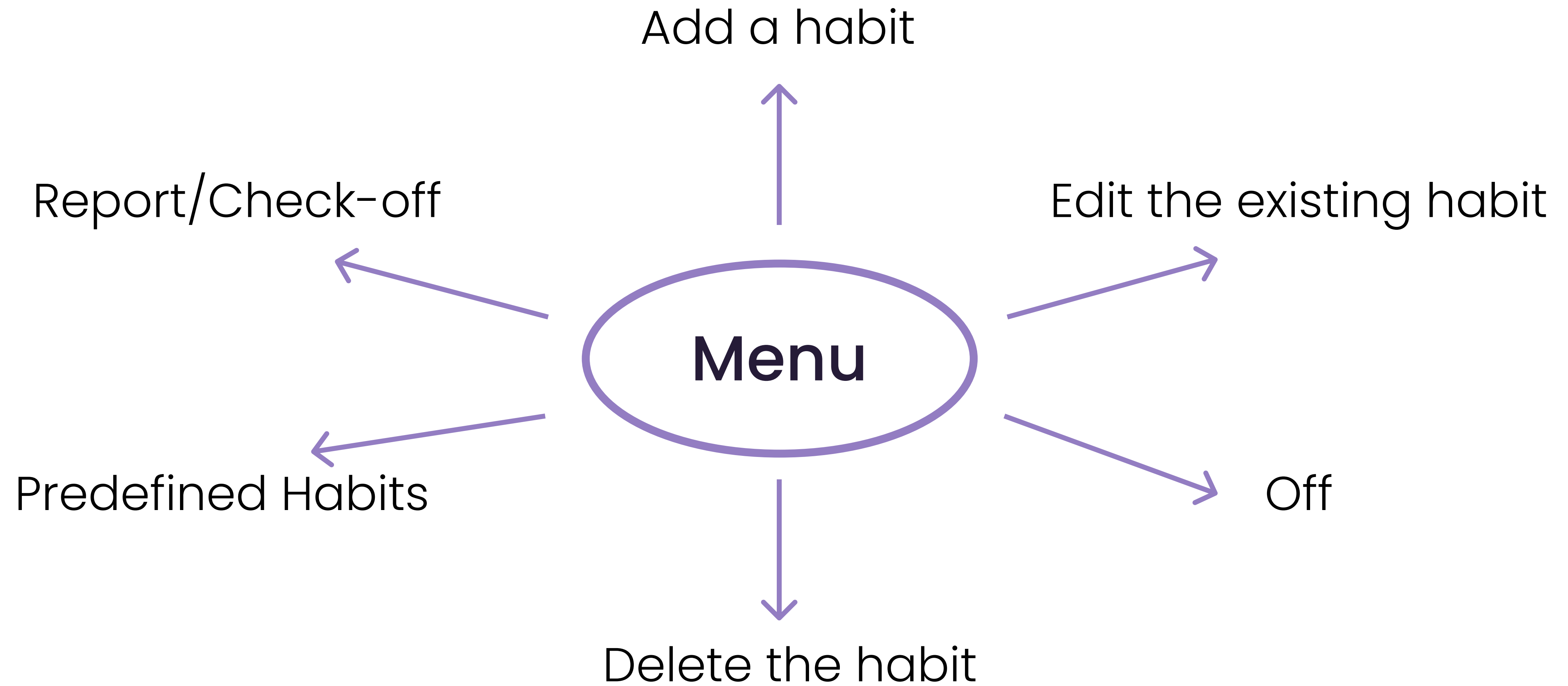
Add a habit

Step 1. What habit do you want to add? (*workout*)

```
Welcome to the Habit Tracker!

? What do you want to do? Add a habit
? What habit do you want to add?: ▯
```

Step 2. Please set a category for your habit (*sport*)

```
? What habit do you want to add?:  workout
? Please set a category for your habit (Use arrow keys)
 » study
   hobby
   sport
```

Step 3. Please set a frequency for your habit (*daily*)

```
? Please set a category for your habit sport
? Please set a frequency for your habit (Use arrow keys)
» daily
  weekly
```

Step 4. Please set a duration for your habit (*5 months*)

```
? Please set a frequency for your habit daily
? Please set a duration for your habit e.g 20 days/3 weeks):
```

Step 5. Please set a unitset for your habit (*30 minutes*)

```
? Please set a duration for your habit e.g 20 days/3 weeks):  5 months
? Please set a unitset for your habit (e.g. 20 minutes/2 hours):  ▯
```

Step 6. When do you want to start? (*2022/12/22*)

```
? Please set a unitset for your habit (e.g. 20 minutes/2 hours):  30 minutes
? When do you want to start? (YYYY/MM/DD):  2022/12/22
```

Edit the existing habit

Step 1. Which habit do you want to change (*workout*)

```
? What do you want to do? Edit the existing habit
? Which habit do you want to change? (Use arrow keys)
 » workout
```

Step 2. What do you want to change (*name*)

```
? What do you want to change? (Use arrow keys)
 » name
   category
```

Step 3. Type a new for the "workout" habit (*exercising*)

```
? What do you want to change? name
? Type a new name for the 'workout' habit:  exercising
```

Report or Check-off *(check)*

Step 1. Do you want to check or report *(check)*

```
? What do you want to do? Report/Check-off
? Do you want to check or report? (Use arrow keys)
 » check
   report
```

Step 2. Please select: *(exercising)*

```
? Do you want to check or report? check
? Please select:
 (Use arrow keys)
 » exercising
```

Step 3. Have you completed this task today? *(Yes)*

```
? Have you completed this task today?
 (Use arrow keys)
 » Yes
   No
```

Report or Check-off *(report)*

Step 1. Do you want to check or report (*report*)

```
? What do you want to do? Report/Check-off
? Do you want to check or report? (Use arrow keys)
 » check
   report
```

Step 2. Please select: (*All Habits*)

```
? Do you want to report all habits or one habit?
 » All Habits
   All Daily Habits
   All Weekly Habits
   One Habit
```

Predefined Habits

```
? What do you want to do? Predefined Habits
+---------------+----------+------------+------------+------------+------------+----------+------------+------------------+
|     Name      | Category | Frequency  |  Duration  |  Unitset   | Start Date | End Date | Completed  | Last Completed Day |
+---------------+----------+------------+------------+------------+------------+----------+------------+------------------+
|  programming  |  daily   |  6 weeks   |  2 hours   | 2022/09/15 | 2022/10/27 |    35    | 2022/10/27 |        10        |
| dance classes |  weekly  |  3 months  |  2 hours   | 2022/10/20 | 2023/01/20 |    8     | 2022/12/22 |         5        |
|    workout    |  daily   |  10 weeks  | 30 minutes | 2022/12/10 | 2023/02/18 |    10    | 2022/12/24 |         7        |
|    reading    |  daily   |  4 weeks   |   1 hour   | 2022/12/12 | 2023/01/09 |    11    | 2022/12/24 |         1        |
|    german     |  weekly  | 180 days   |  2 hours   | 2022/11/05 | 2023/05/04 |    6     | 2022/12/17 |         5        |
+---------------+----------+------------+------------+------------+------------+----------+------------+------------------+
```

Delete the habit

Step 1. Which habit do you want to delete? (*exercising*)

```
? Which habit do you want to delete?
» exercising
```