



INTERNATIONALE  
HOCHSCHULE

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Bachelor / Artificial Intelligence

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

# Table of content

Libraries

Classes

Menu

Add a habit

Edit the existing habit

Report or Check-off (*check*)

Report or Check-off (*report*)

Predefined Habits

Delete the habit



# Libraries

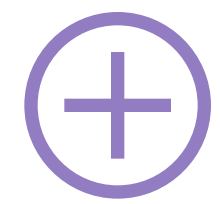
tabulate~=0.8.10

questionary~=1.10.0

pytest~= 7.2.0



# Classes



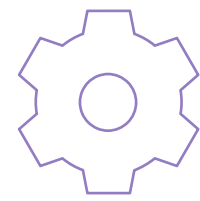
## AddHabit Class

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.



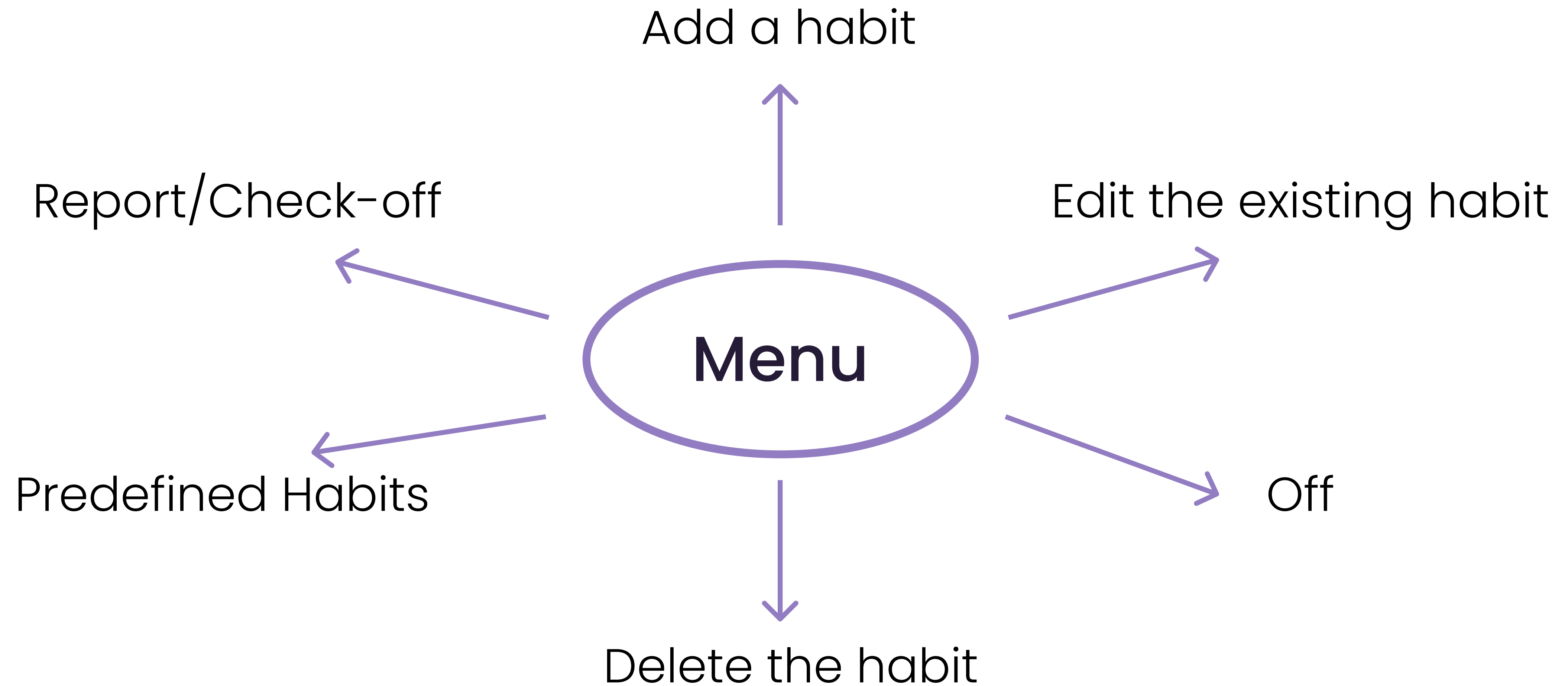
## PredefinedHabits Class

This class reviews all predefined habits.



## DeleteHabit Class

This class deletes the habit entirely from the Database.



# Add a habit

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

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

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

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

```
Welcome to the Habit Tracker!
```

```
? What do you want to do? Add a habit
```

```
? What habit do you want to add?: workout
```

```
? Please set a category for your habit sport
```

```
? Please set a frequency for your habit daily
```

```
? Please set a duration for your habit e.g 20 days/3 weeks): 5 months
```

# Edit the existing habit

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

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

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

```
? What do you want to do? Edit the existing habit
```

```
? Which habit do you want to change? workout
```

```
? 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*)

**Step 2.** Please select: (*exercising*)

```
? What do you want to do? Report/Check-off
? Do you want to check or report? check
? Please select:
exercising
```



# Report or Check-off (report)

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

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

```
? What do you want to do? Report/Check-off
? Do you want to check or report? report
? Do you want to report all habits or one habit? All Habits

+-----+-----+-----+-----+-----+-----+-----+-----+
+
|      Name      | Category | Frequency | Duration | Start Date | Marked off | Last Completed Day | Streak Days | Ln. Streak Days |
|
+-----+-----+-----+-----+-----+-----+-----+-----+
+
| exercising | sport   | daily    | 5 months | 2023/01/24 | 1          | 2023/01/24         | 1           | 1               |
|
+-----+-----+-----+-----+-----+-----+-----+-----+
```

# Predefined Habits

Name	Category	Frequency	Duration	Start Date	Marked off	Last Completed Day	Streak Days	Ln. Streak Day
piano class	hobby	weekly	15 months	2023/01/10	3	2023/01/24	3	3
programming	study	daily	18 months	2023/01/10	10	2023/01/24	3	5
german	study	weekly	24 months	2023/01/12	2	2023/01/22	2	2
reading	hobby	daily	100 days	2023/01/16	7	2023/01/23	2	4
running	sport	daily	3 months	2023/01/16	8	2023/01/24	8	8

# Delete the habit

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

```
? What do you want to do? Delete the habit
? Which habit do you want to delete? exercising
```