Class Diagram

Habit

id: int (PK)
name: string
description: string
frequency_id: int (FK)
creation_date: datetime

add(name string, description string): int
edit(id int, name string, description string): void
delete(id int): void

1 — must be done — 1

Frequency

id: int (PK)
description: string
frequency: string

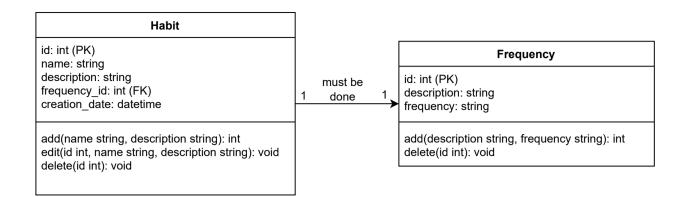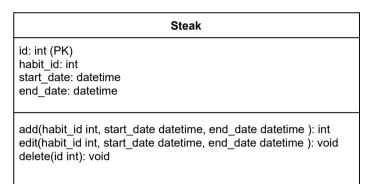add(description string, frequency string): int
delete(id int): void

CompletedTask

id: int (PK)
habit_id: int
completion_date: datetime

add(habit_id int,completion_date datetime): int
delete(id int): void

Steak

id: int (PK)
habit_id: int
start_date: datetime
end_date: datetime

add(habit_id int, start_date datetime, end_date datetime): int
edit(habit_id int, start_date datetime, end_date datetime): void
delete(id int): void

Object Diagram

Exercise

id: 2
name: "Exercise"
description: "Do exercise on a daily basis"
frequency_id: 1
creation_date: 04/03/2021

Weekly

id: 1
description: "Weekly"
frequency: "0000-00-07"

ExerciseCompleted

id: 3
habit_id: 2
completion_date: 2022-03-30 12:12

Steak

id: 1
habit_id: 2
start_date: 2022-03-01
end_date: 2022-03-30