# Conceptional Phase: Habit tracking application

This is the technical planning documentation for my habit tracking application.

Name: Name-FirstName\_MatrNo\_OOFPP \_Habits\_Submission\_Conception.

**Project Phase:** Conception

**Project Objective:** This is an idea. Decide what headings I need

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## Problem Statement (What are we trying to solve)

You have to create a habit tracking application

* Concept and core idea
* Look at notes – conception phase

## Basic scenario/ Use case (Requirements):

1. User create a habit that he wants to track with habit details (Habit, frequency)
2. User complete a task (track activity) – He completed the required action for the habit in the specified time period
3. User must complete a task once during the period otherwise he breaks the habit
4. User complete a task for x consecutive periods he establishes a streak (Do we need to store a streak, or just calculate when they require?)
5. User wants to analyse the data
   1. Longest habit streak
   2. Daily habits
   3. Which habits do I struggle with

## Selection/parameterization and use of programs (software,tools,app)

integral part of the portfolio for conceptual topics and must be documented accordingly

## UML

Diagram, table

Description automatically generated

## Assumptions

1. Frequency – string to specify frequency

## References/Bibliography (See guidelines portfolio)

1. <https://www.youtube.com/watch?v=dcsvl3YqAEk&ab_channel=MichaelHadley>
2. <https://drawio-app.com/uml-class-diagrams-in-draw-io/>
3. <https://towardsdatascience.com/timestamp-vs-timedelta-vs-time-period-afad0a48a7d1> (Time frequency)
4. Naming conventions - <https://peps.python.org/pep-0008> <https://google.github.io/styleguide/pyguide.html#316-naming> <https://realpython.com/python-pep8/#naming-conventions>