

# Conception Phase

## **Intro**

The habit tracking application will be divided into four main classes, each of which will be in charge of the most important features. These are Create, Manage, Predefined Habits and Delete. This app will allow the users to create a habit , also track the habits and see how well they are doing. To store habit data between user sessions, I decided to use sqlite Database to store all information.

## **Create Class**

The Create class will be responsible for creating a habit, naming it, determining its duration and setting its frequency.

## **Manage Class**

Once a habit has been created, it needs to be checked off, which will be done via "Manage Class." Users will also be able to change the name, duration, and frequency of existing habits. Additionally, this class is responsible for analytics module which will return:

- a list of all currently tracked habits
- a list of all habits with the same periodicity
- the longest run streak of all defined habits
- the longest run streak for a given habit

## **PredefinedHabits Class**

Shows all predefined habits in a pretty table. (3 daily and 2 weekly habits)

## **Delete Class**

This class will delete a habit(s).