

# Requirements and Analysis Document for Habba

**Grupp 15**

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# 1 Introduction

With a schedule that can vary from day to day as a student, businessman or if you simply are a forgetful person it can be hard too keep or create habits. This app will keep track of habits the user wants to create och keep. It also uses notifications that are set by the user to help them remember their habits and since the user is able to set goals for each habit they have something to work towards and look forward to.

## 1.1 Definitions, acronyms, and abbreviations

- **Habit:** A habit is an action that the user wants repeat and keep track of. For example washing their face every morning or water the plants once every week.
- **Group:** A user can be a part of a group of users. In this group they can have common habits if they for example want to work out two times a week and keep each other motivated.
- **Achievement:** When users have a number of habits or have performed their habits a number of times they unlock achievements.

# 2 System architecture

## 2.1 User Stories

1. As a user I want to be able to create a new habit so that I can keep improving my self.
2. As a user I want to be able to check of the habits I have done so I can see what I have left to do.
3. As a user I want to be able to distinguish the tasks I've already done during the day from those to be done, so I better know what I got left.
4. As a user I want the list of daily tasks to be reset each day so I can check them off again the next day
5. As a user I wanna be able to set a color theme to make it more personal.
6. As a clumsy person i wanna be able to undo my done 'check off' if I press the wrong habit so i don't forget to do it.
7. As a user I wanna be able to get streaks when I've done a specific task multiple days in a row to make it more fun to do my habits.
8. As a user I want to be able to set a reminder and so that I get reminded about a task and don't forget about it.
9. As a user i wanna be able to adapt the way the app communicates(Notification) to me to fit my personality.
10. As a user I want to be able to add friends to the app so that we can share out habits
11. As a user I want to be able to add friends so that we can compete in who complete their habits.
12. As a user I want confirmation that i am progressing so that i feel encouraged to continue.
13. As a user I want to see my friends stats so that I can compare our progression.
14. a user I want to be able to create an account so if I get a new phone I can sync my habits to the new one.

15. As a user I want my user account and habits to be saved when I exit the application so when I start the application again I can continue working on my good habits.
16. As a user I want to be able to overlook upcoming and past habits so I can easily take them into account when planning.
17. As a user I want to stay motivated by being able to see my progress.
18. As a user I want to use a calendar so I can see an overview over my habits.

## 2.2 User Interface

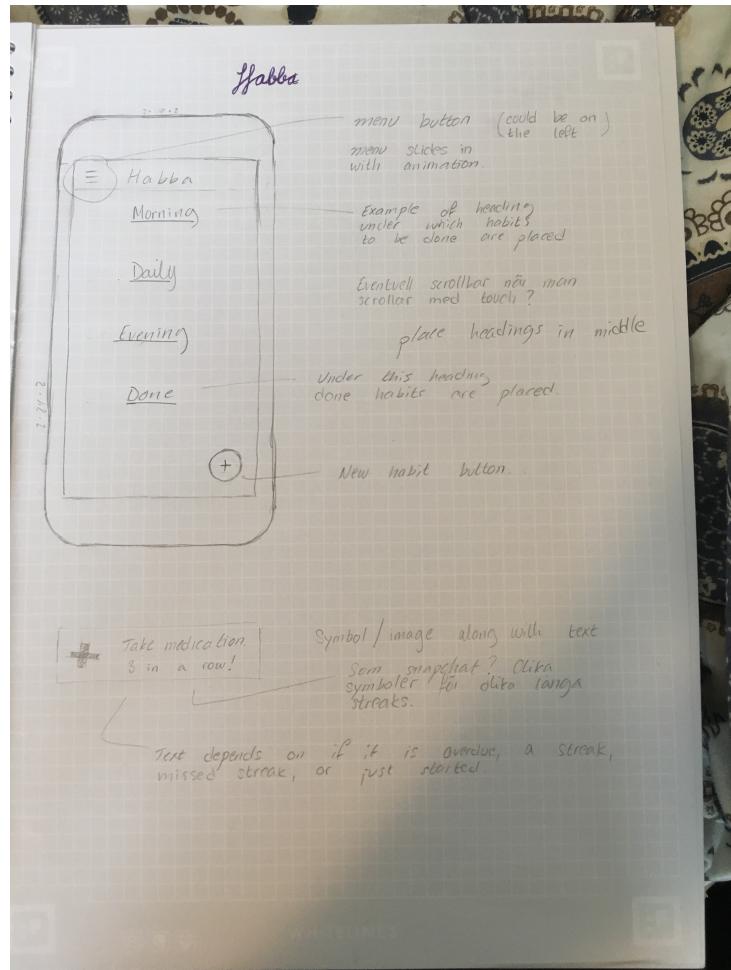


Figure 1: Initial sketch of the main page of the application

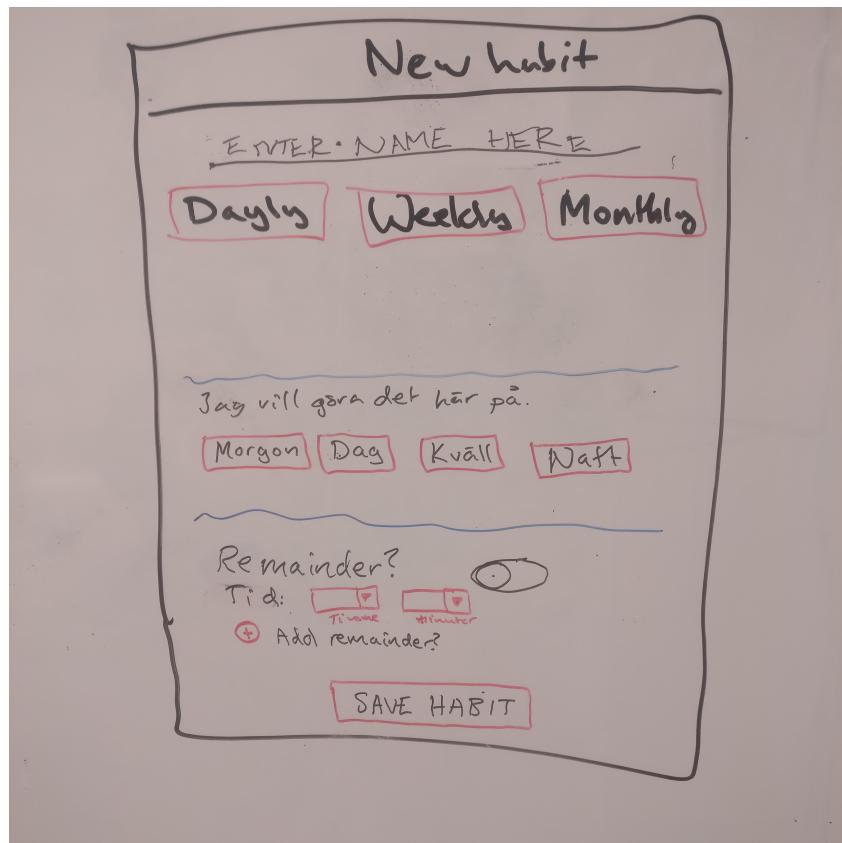


Figure 2: Early sketch of the page where new habits can be created.

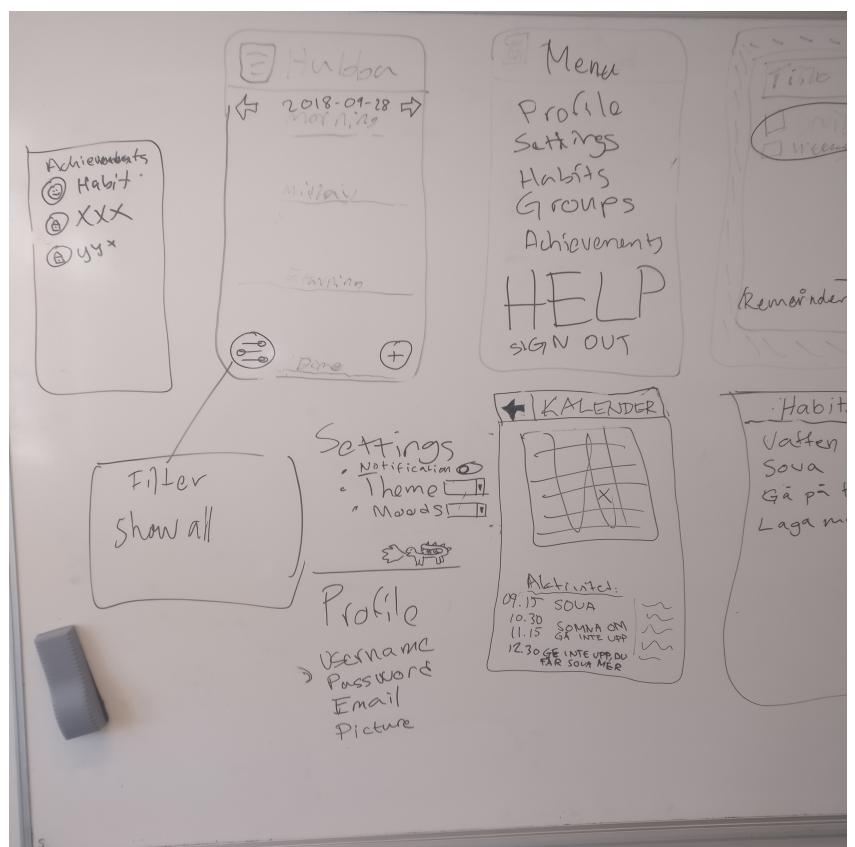


Figure 3: Second iteration sketch of Application

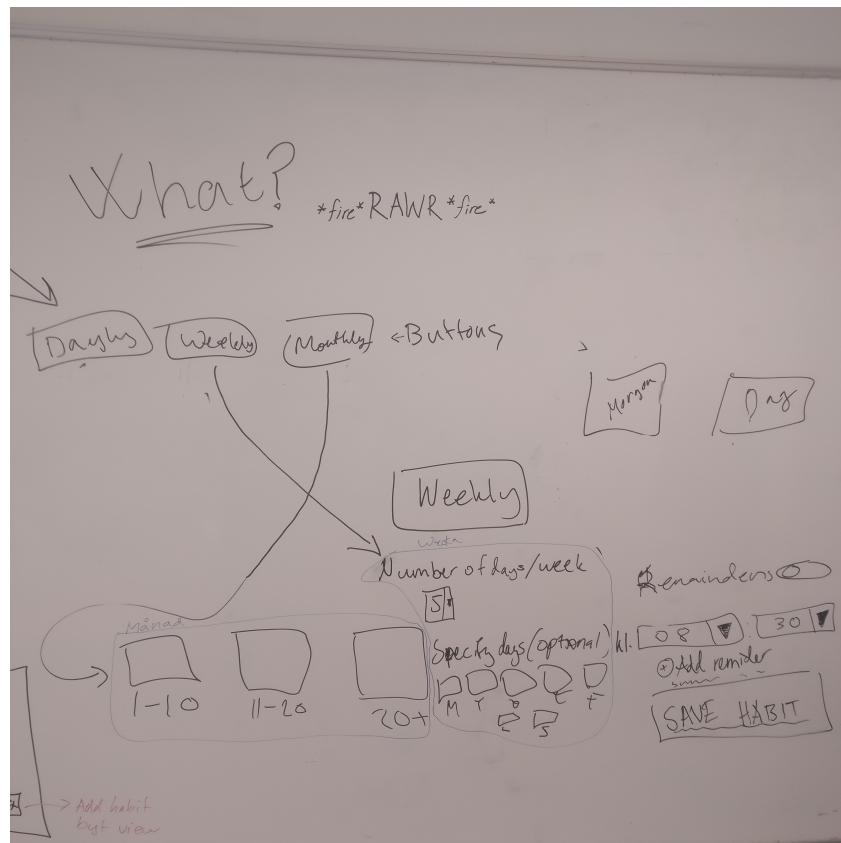


Figure 4: Flow chart of what is shown when different

### 3 Domain Model

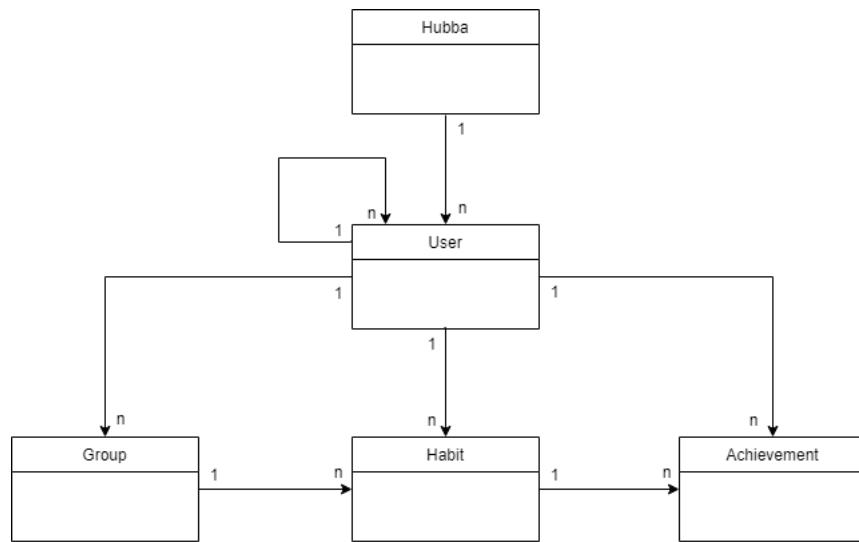


Figure 5: Hubbas domain model

**3.1 Class Responsibilities**

**3.2 Hubba**

**3.3 User**

**3.4 Group**

**3.5 Habit**

**3.6 Achievement**

## **References**