

## **COSC 4P02 - Release Planning Document**

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**Jira:** <https://habittracker.atlassian.net/jira/software/projects/SCRUM/boards/1>

Addressing the growing prevalence of unhealthy lifestyles, there is an increasing need for a shift towards healthier habits. While many aspire to improve their lifestyles, the challenge lies in taking action amid busy schedules or forgetfulness. This project aims to provide a tool functioning as a method of monitoring their daily habits, facilitating the process of cultivating healthier routines. The primary objective is to serve as a self-reflection tool, accommodating commitments ranging from small tasks like making the bed daily to more significant ones such as frequenting the gym. Additional goals include recording daily habits, tracking progress, sending reminders, fostering friendly competition through leaderboards, and promoting long-term goals. The significance of a habit tracker lies in enhancing self-awareness, promoting accountability, offering motivation through progress visualization, and contributing to efficient time management for a more organized and productive lifestyle.

### *Key Features:*

1. Enable users to define and set their own goals.
2. Provide an interface allowing users to log daily habits and duration.
3. Track consecutive days of adhering to the user's habits, encouraging them to maintain their streak.
4. Send reminders through email along with motivational notifications to allow users to better track their habits, with more consistency.
5. Provide analytics to visually display a user's habit tracking journey, display trends in the data, and highlight patterns.
6. Allow users to create or join group challenges of similar habits, to allow for a supportive group of users all working towards the same goal.
7. Users must have full control over their privacy settings, so only those whom they allow access to can view the information they choose.

The following defines the user stories and tasks outlined in our product backlog on Jira. Changes will be made to scheduling and scope as the project progresses, with Sprints 2 and 3 acting as placeholders depending on the progress made during Sprint 1. Please see the [Jira board](#) for the most up to date information regarding Sprint planning, assignees, proposed difficulty, and work completed/pending.

## **Sprint 1: January 17th - February 28th, Sprint Review Meeting February 23rd**

### *Front End:*

Title: Create style sheets

Description: Have style sheets which will determine fonts, spacing, colours, etc. for the site, so that everything stays consistent and looks uniform across our pages of the site. Stylesheets can be separated by component for better organization and reuse.

Assignee: Yifan Z

Difficulty: 3

Title: Design Homepage

Description: As a user I want to navigate to the home page so that I can learn more about the app and see the most important information.

Assignee: Elya D

Difficulty: 2

Title: Implement Homepage

Description: As a user I want to navigate to the home page so that I can learn more about the app and see the most important information.

Assignee: Maxwell Y

Difficulty: 6

Title: Design basic reusable components

Description: As a user I want to see a consistent design so that I can easily navigate the website. Design components like navigation bar, menu, footer (more?) that will be used across the whole website.

Assignee: Elya D

Difficulty: 2

Title: Implement basic reusable components

Description: As a user I want to see a consistent design so that I can easily navigate the website. Implement components like navigation bar, menu, footer (more?) that will be used across the whole website.

Assignee: Elya D

Difficulty: 5

Title: Design Login page

Description: As a user I want to be able to have a secure and straightforward log-in option so that I can access my account effortlessly.

Assignee: Elya D

Difficulty: 2

Title: Implement Login page

Description: As a user I want to be able to have a secure and straightforward log-in option so that I can access my account effortlessly.

Assignee: Yifan Z

Difficulty: 5

Title: Design Sign-up Page

Description: As a user I want a secure and straightforward way to create an account so that my personal habit tracker data will be stored and I can review analytics.

Assignee: Kacie P

Difficulty: 2

Title: Implement Sign-up Page

Description: As a user I want a secure and straightforward way to create an account so that my personal habit tracker data will be stored and I can review analytics.

Assignee: Maxwell Y

Difficulty: 5

Title: Design User Profile Page

Description: As a user I want to have my personal information and settings displayed clearly so that I can review and edit my information, privacy and other settings easily.

Assignee: Elya D

Difficulty: 2

Title: Implement User Profile Page

Description: As a user I want to have my personal information and settings displayed clearly so that I can review and edit my information, privacy and other settings easily.

Assignee: Muiz O

Difficulty: 2

Title: Design Goal Creation Page

Description: As a user I want to have a way to easily define my goals by providing the goal's name, frequency, time in schedule, etc. so that I can start my new habit and track my progress effortlessly.

Assignee: Elya D

Difficulty: 3

Title: Implement Goal Creation Page

Description: As a user I want to have a way to easily define my goals by providing the goal's name, frequency, time in schedule, etc. so that I can start my new habit and track my progress effortlessly.

Assignee: Maxwell Y

Difficulty: 5

Title: Design Logging Page (not Log-in)

Description: As a user I want to log my habit's completion and duration so that I can track my progress.

Assignee: Maxwell Y

Difficulty: 2

Title: Implement Logging Page (not Log-in)

Description: As a user I want to log my habit's completion and duration so that I can track my progress.

Assignee: Yifan Z

Difficulty: 3

Title: Create reusable API request functions in Front-end

Description: We want some reusable code for HTTP/API requests.

Assignee: Yifan Z

Difficulty: 2

Title: Write unit tests for API request functions in Front-end

Description: To be done after the back end is set up.

Assignee: Yifan Z

Difficulty: 2

*Back End:*

Title: Guest User Feature

Description: As a guest user, I want to be able to explore some features of the app without creating an account so I can decide if I want to commit to creating an account.

Assignee: Elya D

Difficulty: 4

Title: Design database models

Description: Design the structure of database, draw a relational graph if possible. ER diagram and schema.

Assignee: Robert P

Difficulty: 6

Title: Initialize Database

Description: Initialize database with tables that will be needed and demo data.

Assignee: Lisa H

Difficulty: 3

Title: Secure User Registration and Authentication

Description: Ensure proper and secure user registration and authentication through encryption.

Assignee: Yifan Z

Difficulty: 5

Title: Create Privacy feature

Description: Insure a secure way to keep user's data and make sure that users have full control.

Assignee: Muiz O

Difficulty: 3

Title: API Document

Description: Back-end needs to design and write API document including API url, request format and response format and supported request type (GET/POST/DELETE). Back-end team should keep updating the document during the SE process.

Assignee: Yifan Z

Difficulty: 3

### *Reports/Meetings:*

Title: Submit Release Planning Document for Evaluation

Description: Due January 26th.

Assignee: Kacie P

Difficulty: 4

Title: Sprint 1 Review Meeting

Description: February 23rd.

Assignee: Kacie P

Difficulty: 2

Title: Submit Progress Report 1

Description: Due February 27th.

Assignee: Kacie P

Difficulty: 5

### *Tasks:*

Title: Set up project repository

Description: Create a descriptive README file and set up the folder/file structure of some basic site functionality and documentation placeholders.

Assignee: Kacie P

Difficulty: 3

Title: Set up Routers

Description: Set up the router settings. Need to be done by both front-end and back-end. For example, the url of the homepage might be "habitTracker/{user\_id}/home".

Assignee: Maxwell Y

Difficulty: 3

## **Sprint 2: February 28th - March 22nd, Sprint Review Meeting March 15th**

### *Front End:*

Title: Design Notification Page

Description: As a user I want to have all notifications visible at one place so that I can easily review and reply as needed.

Assignee: Robert P

Difficulty: 2

Title: Implement Notification Page

Description: As a user I want to have all notifications visible at one place so that I can easily review and reply as needed.

Assignee: Yifan Z

Difficulty: 3

Title: Design Journal Page

Description: As a user I want to see all my habits in one place (with my schedule) and my goal completions by day so that I can see my progress and edit/add habits as needed.

Assignee: Elya D

Difficulty: 3

Title: Implement Journal Page

Description: As a user I want to see all my habits in one place (with my schedule) and my goal completions by day so that I can see my progress and edit/add habits as needed.

Assignee: Yifan Z

Difficulty: 5

Title: Design Analytics Page

Description: As a user I want to have different displays of my habit record with highlighted trends so that I can see patterns and improve my habits.

Assignee: Kacie P

Difficulty: 3

Title: Implement Analytics Page

Description: As a user I want to have different displays of my habit record with highlighted trends so that I can see patterns and improve my habits.

Assignee: Kacie P

Difficulty: 4

### *Back End:*

Title: Add XP feature

Description: As a user I want to earn XP from completing streaks and challenges so that I can be rewarded for my efforts, (increase my level in the app), and have a friendly competition with friends and other users.

Assignee: Muiz O

Difficulty: 2

Title: Add Leaderboard feature

Description: As a user I want to compete with other users so that I can stay motivated and engaged.

Assignee: Muiz O

Difficulty: 4

Title: Add Reminders feature

Description: As a user I want to receive reminders from the app about my goal so that I can keep on track with my habits and stay motivated.

Assignee: Maxwell Y

Difficulty: 3

Title: Add Streak feature

Description: As a user I want to keep track of how many days in a row I stayed consistent with my habit and get reminders so that I don't miss my streak and stay motivated.

Assignee: Yifan Z

Difficulty: 3

### *Reports/Meetings:*

Title: Sprint 2 Review Meeting

Description: Date: March 15, 2024

Assignee: Kacie P

Difficulty: 2

Title: Submit Progress Report 2

Description: Due: March 22, 2024

Assignee: Kacie P

Difficulty: 5

### **Sprint 3: March 23rd - April 15th, Sprint Review Meeting April 12th**

#### *Front End:*

Title: Add Timer feature

Description: As a user I want to be able to track the amount of time I've spent on my habit so that I have an accurate record of my progress.

Assignee: Yifan Z

Difficulty: 4

Title: Add Friends feature

Description: As a user I want to be able to befriend people on the app so that I can share my progress and see theirs.

Assignee: Maxwell Y

Difficulty: 2

Title: Add Challenge feature

Description: As a user I want to participate in challenges so that I can adapt new habits and get rewards.

Assignee: Muiz O

Difficulty: 3

Title: Add Group challenges feature

Description: As a user I want to create group challenges so my friends and others can compete.

Assignee: Yifan Z

Difficulty: 2

Title: Responsive Design

Description: As a user I want to be able to use the web application on mobile or desktop screen so that I can access the website comfortably from any device.

Assignee: Lysa H

Difficulty: 7

Title: Create User Manual

Description: As a user I want a manual available which can teach me about all the features of the site, available to read in my own time.

Assignee: Kacie P

Difficulty: 6

#### *Reports/Meetings:*

Title: Sprint 3 (Final) Review Meeting

Description: Date: April 12, 2024

Assignee: Kacie



Difficulty: 4

Title: Submit Final Report

Description: Due: April 15-28, 2024

Assignee: Kacie P

Difficulty: 8

*Tasks:*

Title: Testing/Create Test cases

Description: Will be separated into more detailed backlog items during our testing phase in Sprint 3. Will involve writing test cases.

Assignee: Kacie P

Difficulty: 8

**Release Planning Contribution Breakdown:**

Every group member attended all group meetings related to preparing for the release planning meeting and release planning document. All group members contributed to the creation and editing of all the user stories and tasks to be added to the product backlog. The requirements were analyzed in depth, and requirements were brainstormed during meetings. Other contributions:

- Kacie Phillippo: Sprint planning meeting speaker/presenter, document front page, meeting minutes, meeting lead, document organization/beautification, document submission
- Elya Denysova: Sprint planning meeting speaker/presenter, transference of requirements from shared document into Jira, along with sprint scheduling and task assignments
- Muiz Odebiyi: Transference of requirements from shared document into Jira, along with sprint scheduling and task assignments
- Yifan Zhu: Sprint planning meeting speaker/presenter
- Lyza Hannes: Sprint planning meeting speaker/presenter