

HabitConnect User Requirements

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Introduction

HabitConnect is an online platform serving as a personal growth coach, designed to cultivate positive habits and monitor individual progress. It empowers users to establish and pursue personal development goals, including daily streaks, reminders, motivational quotes, and engaging group challenges, ensuring users stay motivated and on course.

The application prioritizes user-friendliness and ease-of-use. It offers the option to create an account linked to an email for personalized tracking and use from any device. Logging habit and to-do completion is seamless, with a comprehensive statistics page to track personal progress. For those seeking a competitive edge, creation and participation in group challenges allows users to gauge their progress against others and encourage their friends to extend their streak!

Objectives

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 to monitor their daily habits, facilitating the process of creating and maintaining healthier routines. The primary objective is to serve as a self-reflection tool, accommodating any commitments provided by the user. Examples range 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, reminder notifications, 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. Enables users to define and set their own goals, in the form of habits and to do lists.
2. Provides an interface allowing users to log daily habits and track their progress in a highly visual manner.
3. Users can track consecutive days of adhering to their personal habits, encouraging them to maintain their streak.
4. Sends site updates through email along with notifications embedded into the website to encourage users to stay more consistent.
5. Provides analytics to visually display a user's habit tracking journey, displaying trends in the data, and providing quick insights to keep users informed of their progress.

6. Allows users to create or join group challenges of habits with their friends, to allow for a supportive group of users all working towards the same goal and a sense of friendly competition.
7. Users have full control over their privacy settings, so only those whom they allow access to (their friends) can view the specific parts of information they choose.

User Requirements

Guest User Functionality

As a guest user, I want to be able to discover and explore the functionalities of the website without creating an account so I can decide if I want to commit to creating an account.

User Homepage

As a user I want to have a home page which provides quick insights about my account and my progress, and can see information important to me. I also want to be able to navigate from this page to the other important web pages on the site.

Sign In Page

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

As a user I want to be able to see my password as I am typing it in, but only if I choose to do so.

Forgot Password Feature

As a user I want to be able to reset my password without signing in to my account in the case that I forget my password.

Sign Up Page

As a user I want a secure and straightforward way to create an account so that my personal habit tracking data will be stored and accessible from any device.

As a user I want to be able to verify that I have input my email address correctly and that HabitConnect is able to send me emails in a quick and familiar way.

As a user I want to have a unique username so that friends are able to befriend my profile on the site with ease.

As a user I want to be able to see my password as I am typing it in, but only if I choose to do so.

User Profile Page

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

As a user I want to be able to change my password, email, username, and name from my user profile page. I want an email notification which informs me when any of my information has been changed on the website.

As a user I want to have an easily changeable profile picture so I can customize my profile and have a greater sense of belonging on the website.

Settings Page

As a user, I want to have a quick and convenient way to update my personal settings with ease.

Privacy Settings

As a user, I want to be able to select which pieces of information from my personal profile will be available for my friends to see.

Dailies Page

As a user I want to have a way to easily define my habits by providing the habit's name and goal (a counter or a timer) so that I can add this new habit to my list and effortlessly track my progress over multiple days.

As a user I want to be able to easily check off which habits have been completed in a day, either by updating a tracker to display how much I have progressed towards my goal, or by clicking a checkbox.

As a user, I want to be able to create a to-do list of items I need to do on a specific day, and check off these to-do items when they are complete.

Secure User Registration and Authentication

As a user, I want to be sure that my password is private through a secure user registration and authentication process which uses encryption.

Notifications Pop Up

As a user I want to have all my notifications visible in one place so that I can easily review and reply to them as required.

As a user, I want to be notified when I load the page of how many habits and to do items I have to do that day.

As a user, I want to be able to see when I receive a friend request, and respond to the request through the notifications pop up in a simple, seamless way.

My Stats Page

As a user I want to have a variety of ways in which my habit tracking is recorded so that I can view trends in the data to better inform me of my progress. I want to be provided information that will better motivate me to uphold my daily habits.

Leaderboard Page

As a user I want to be able to see the longest streaks of my friends so that I can stay motivated to continue my own streaks, and have a sense of healthy competition on the website.

Streaks Feature

As a user I want to be able to see how many days in a row I stayed consistent with tracking habits on the website, and get reminders to extend my streak so that I don't miss my streak and stay motivated.

As a user I want to be able to see how many days in a row I have completed a specific streak so that I am motivated to uphold individual habits.

Friends Feature

As a user I want to be able to befriend people on the app so that I can share my progress and see theirs. I want to be able to see some of their personal information, as well as challenges they create and their placement on a leaderboard.

As a user I want to be able to send friend requests to other users by providing their username.

Challenges Page

As a user I want to participate in challenges so that I can form a sense of friendly competition with my friends and try out new habits.

As a user, I want to be able to see the challenges created by my friends and have the option to join them seamlessly.

As a user, I want to be able to track my progress in my group challenges as I normally would with my other habits on the Dailies page.

As a user, I want to be able to create challenges (which act as group habits) which I can share with my friends and we can experience maintaining positive habits together.

Responsive Design

As a user I want to be able to use the web application across devices with different screen sizes so that I can access the website comfortably from any device.

Documentation

As a user I want to have an easily accessible installation guide so I know how to install and run the website from my personal device.

As a user I want to have a user guide which informs me of the options available to me on the site and how to navigate it in an easily accessible, concise manner.

Supporting Documents

[Installation Guide](#) - HabitConnect is not currently publicly hosted. This installation guide was created to lead the user through the collection of the source code from GitHub, installation of all required dependencies, and our recommended method of running the website locally from the user's local system.

[User Manual](#) - This user manual has been created to give a comprehensive overview of the HabitConnect website, for both first time users, and experienced users who have questions about functionalities of the site. The document provides a brief introduction to HabitConnect, including the project objectives, along with a description of how to get started on the site. It continues, providing an outline of the functionalities of pages available to the user, information on account management, a troubleshooting FAQ, and finally information on how to contact the developers regarding updates and feedback for the website.