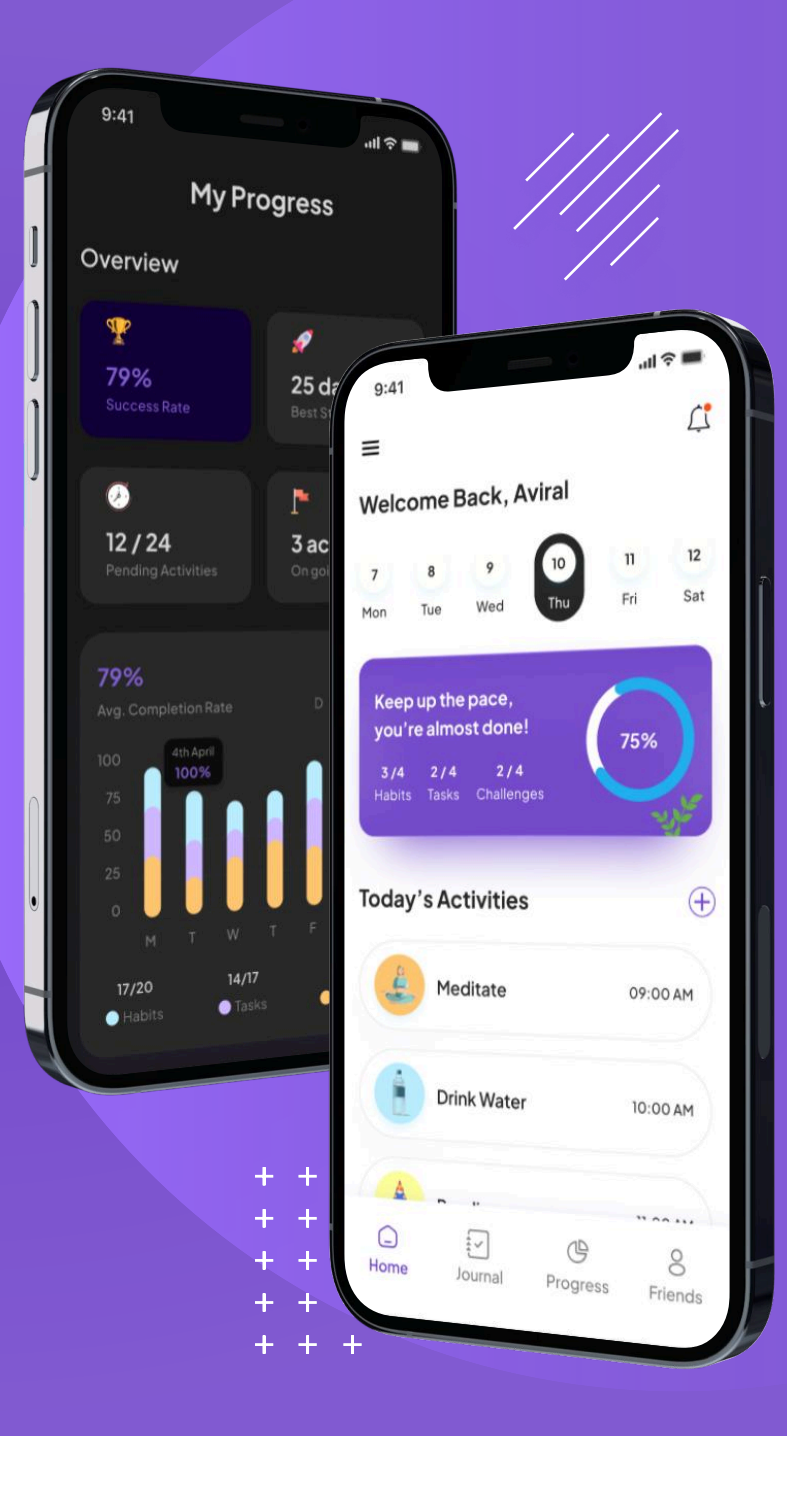
Abacus Interoperability Developer Portal

The Developer Portal is where you can register your apps, track app registration status, and access FHIR API and other documentation.

Tools Used

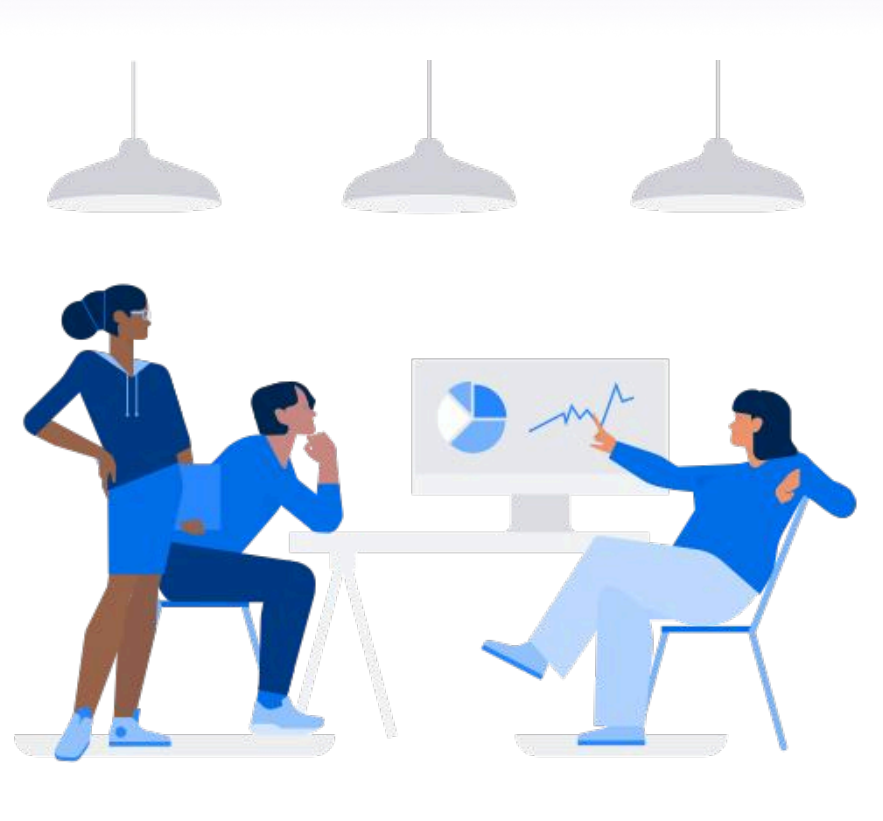


Project Overview

The Developer Portal is where you can register your apps, track app registration status, and read technical and reference documentation

The problem statement

A key problem statement regarding FHIR interoperability is that despite the existence of a standardized data exchange format (FHIR), healthcare systems still struggle to seamlessly share patient data across different platforms due to factors like legacy system incompatibility, inconsistent data formatting, lack of widespread adoption, and technical complexities involved in integrating FHIR with existing infrastructure.

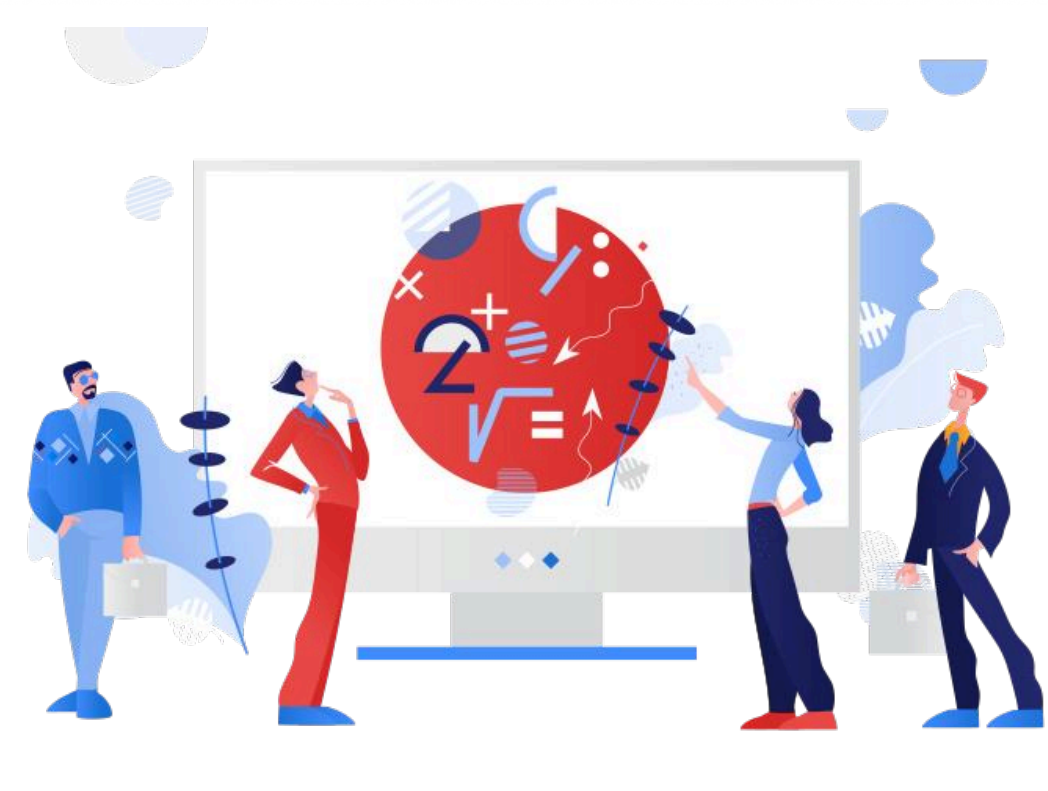


Project Goals

To create an Web Portal that helps Register & track submitted Application	Encourage / motivate Developers to share there apps	Allow different healthcare systems to exchange information

User problems

- Complex implementation
- Lack of standardized data across systems
- Difficulties integrating with legacy EHRs
- Technical complexity in understanding the standard
- Data quality concerns
- Challenges with user interface design for accessing and interpreting shared healthcare information



Possible Solutions

Based on the all the information collected through research and findings, I figured that an application will require following functionality to promote a healthy lifestyle

Provide users the ability to control / edit and **track their progress**

Based on insights give them **flexibility** to reschedule the tasks (have a cheat day)

Inform them about healthy habits and show them a **guided path** towards building that habit

Content Section - health & WFH related blogs , videos, success stories, guides, etc

Introduce **gamification & incentives** on completing daily, weekly tasks or challenges to keep them engaged & motivated

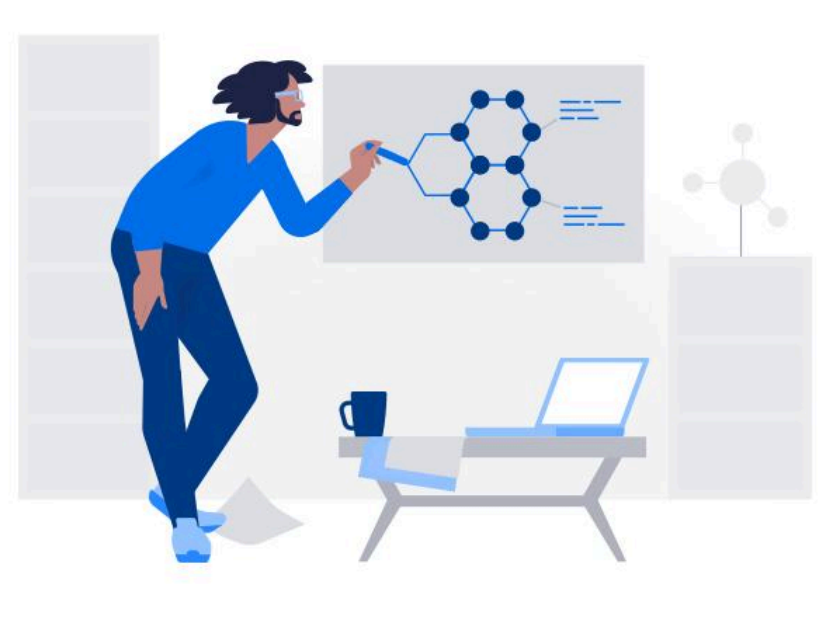
Send **reminders & daily notification** to keep users aware of their upcoming tasks

Allow users to connect with their peers, to **communicate** or **challenge** them in building a habit or completing a task

Understanding the Problem

Before touching anything related to design, I wanted to understand the effects of sedentary lifestyle on employees due to work from home condition.

A 2017 paper by the Sedentary Behavior Research Network (SBRN) defined sedentary behavior as any activity involving sitting, reclining, or lying down that has a very low energy expenditure.



Primary Research

To better understand Employees condition, I started conducting Q/A sessions with close friends who have experienced such challenges during WFH.

During these research phase, I also tried to understand;

- Situation the pandemic has created for employees (positives & negatives)
- Impacts on Mental & physical well-being because of WFH
- Stats & data on combating stress, leading a healthy lifestyle, doing physical excercises, etc
- Effects on morale and productivity due to WFH

Secondary Research

In order to come up with solutions / features that will be helpful for users. I wanted to understand the psychology of the how someone forms a habit & effectively manage to work from home

After gathering insights from interviews and discussion from people. I identified **the essentials of building a habit** :

1. Start with incredibly small habit
2. Incremental improvement daily delivers better results
3. Breaking habits into chunks, increase chances to achieve goal
4. Never miss your target twice
5. Being Patient and consistent with efforts
6. Motivational push from peers leads to encouragement and boost in morale

User Personas

Name: Shovesh
Gender: Male
Age:30+

Bio

Shovesh has been working as a Software designer in an IT Infrastructure company located in Bangalore. Just like every other employee initially he was excited to start working from the comfort of his home but as it was not long when started to realise the pressure he was under due to increase in work load and decrease in his producity. Due to lack of physical activites, his lethargic behaviour was effecting his ability to focus and be productive. He is planning to start building healthier habits like doing medidation & exercise to improve his well-being.

Pain Points

- I often find it difficult to manage and track the progress of daily habit forming tasks
- Managing time between my office, personal life & family is tricky
- Do not have a clue on how to set realistic goals
- Needs a guided path for building healthier habits

Goals

- Wants to enjoy a healthier work life balance
- Wants to improve his physical & mental health
- Allocate time and resources to manage multiple activities and build a healthy habit

Name: Gargi
Gender: Female
Age:20+

Bio

Gargi started her professional career during under the work from home regime, she was excited to be a part of a multinational company at an early age. Being a new joinee the work culture took a toll on her well being & lifestyle. She finds it difficult to manage time and has been procastinating to pick up healthier habits

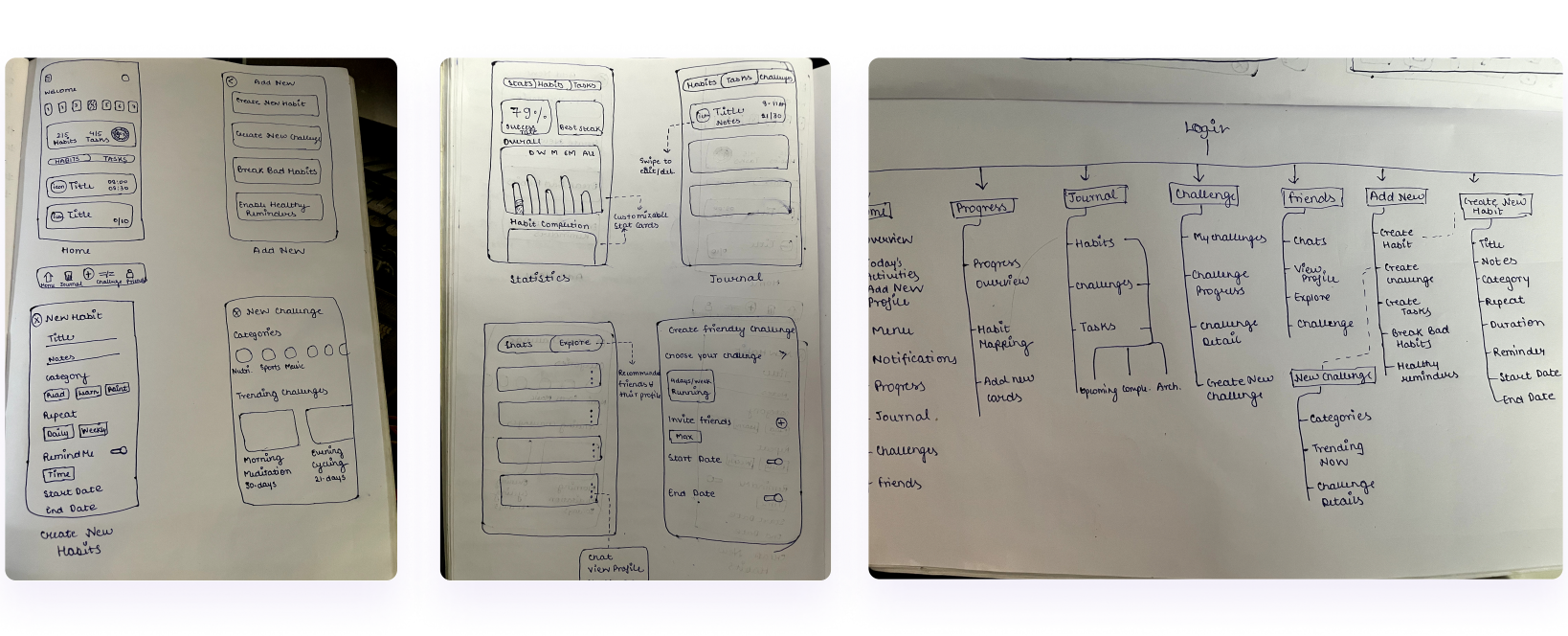
Pain Points

- Feels demotivated and lonely during office hours
- Keeps on forgetting the daily habit forming tasks
- Needs a daily reminder (dose of motivation) to push her towards achieving hes goals
- Her old habits are costing her too much time (watching TV shows)
- Feels demotivated and lonely

Goals

- Wants to improve her well-being by following a routine
- Manage & keep track of her time
- Feel happier, healthier and motivated

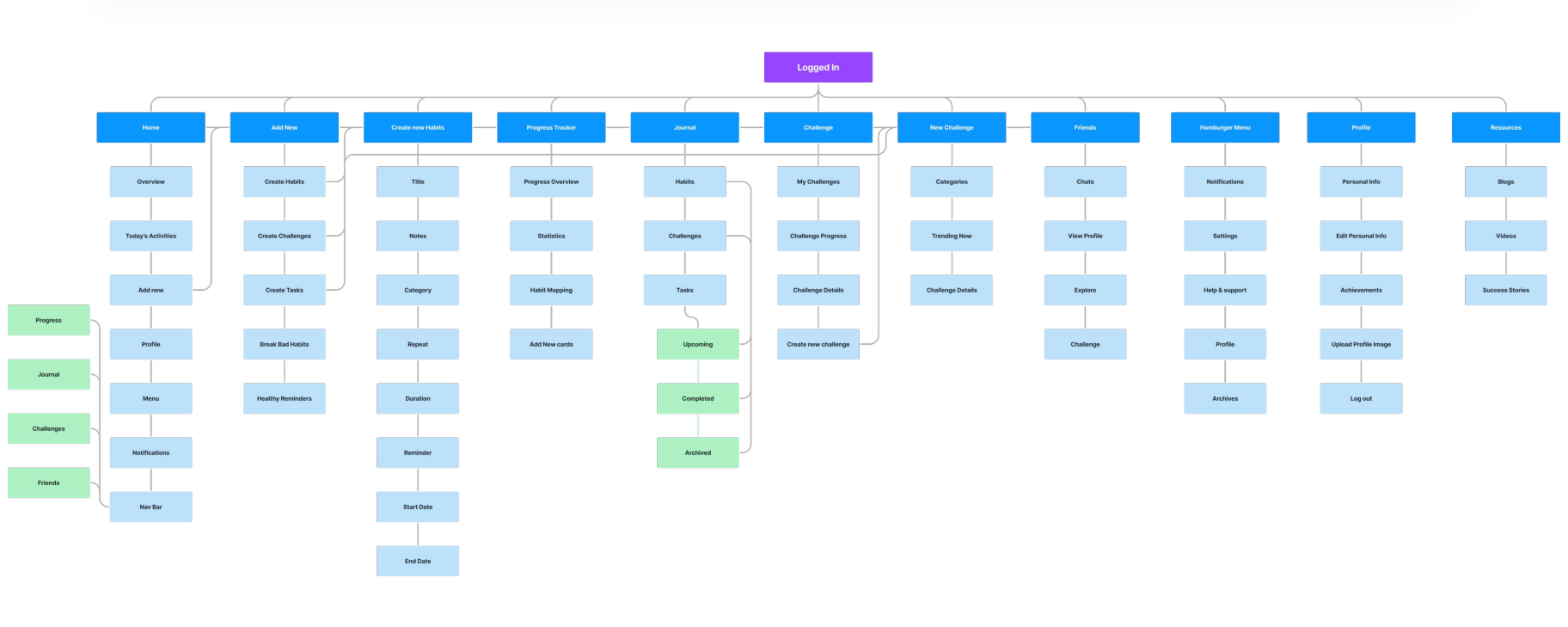
Wireframes



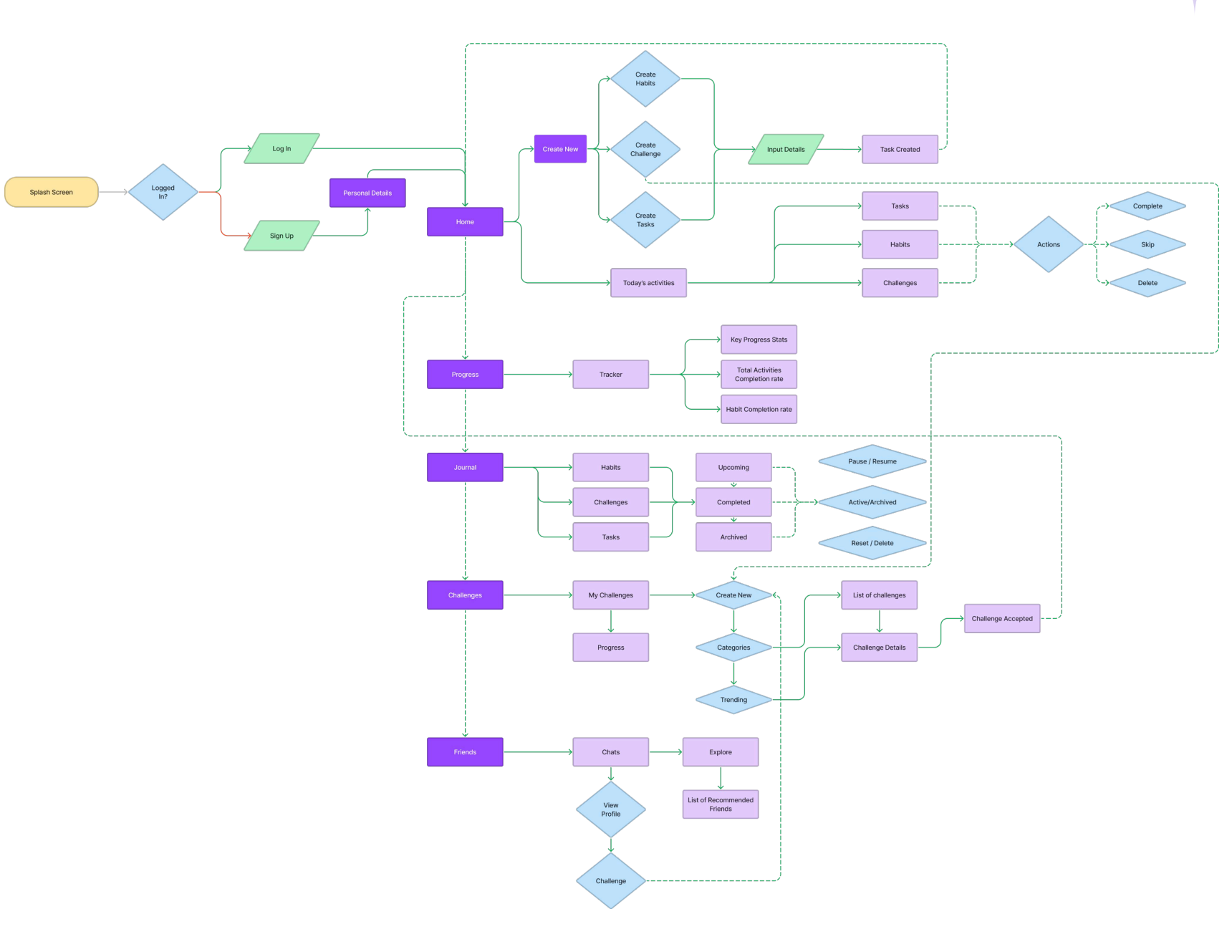
Early Sketches & Ideations

Information Architecture

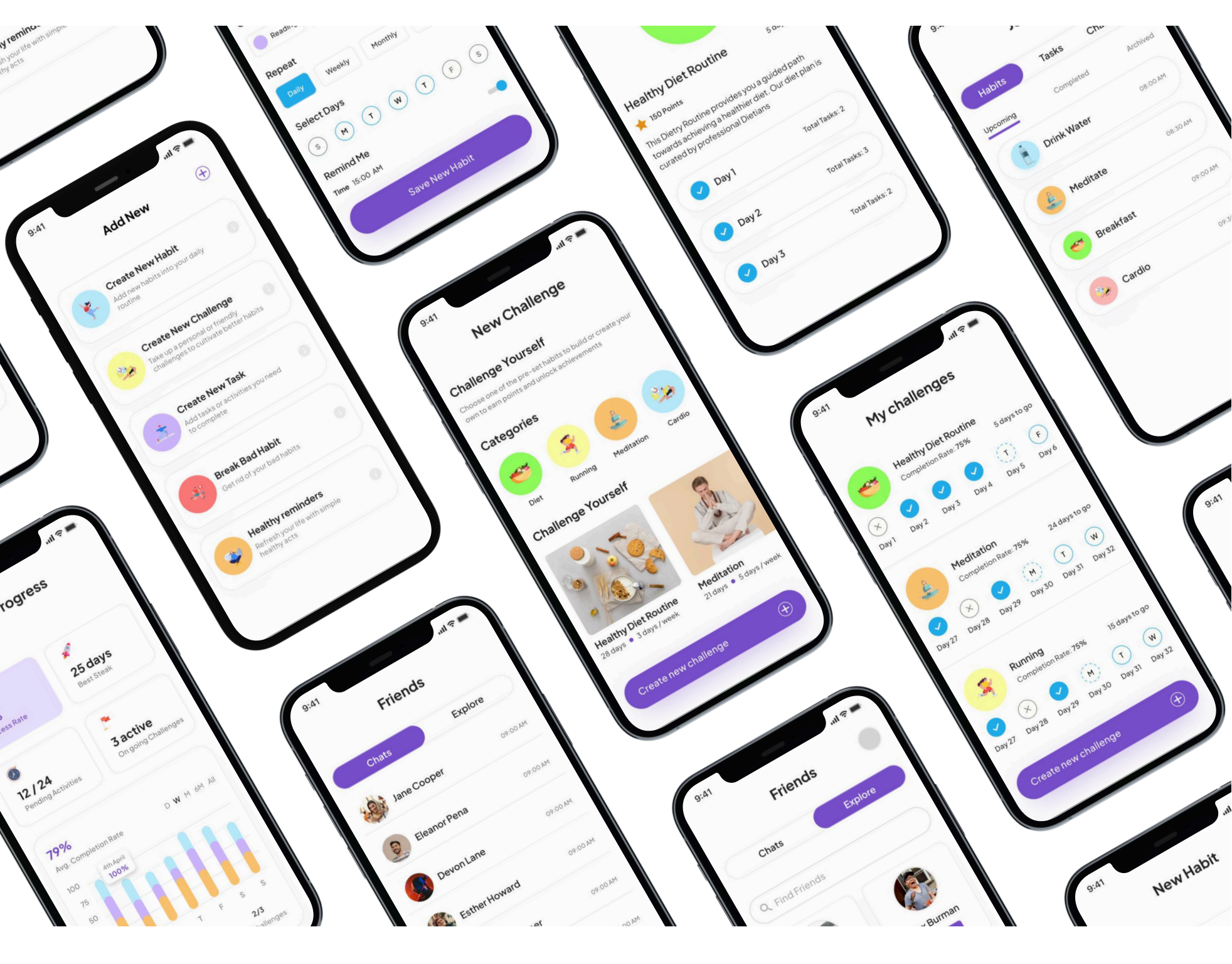
To get innovative solutions into the hands of your users, I needed to concentrate on idea generation. Based on my understanding of the problem, I brainstormed the Information architecture and user flow to ensure smooth experience for the users.



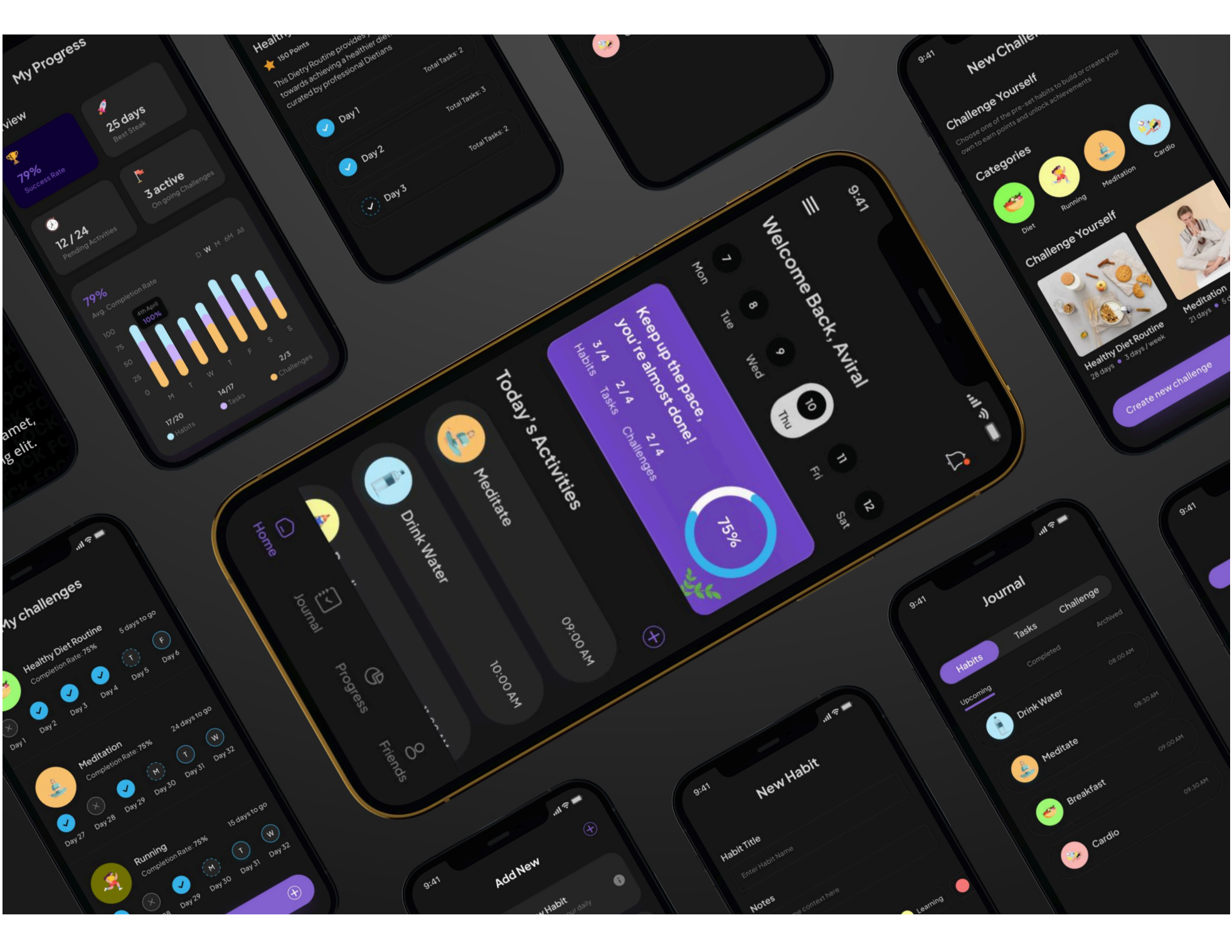
User Flow



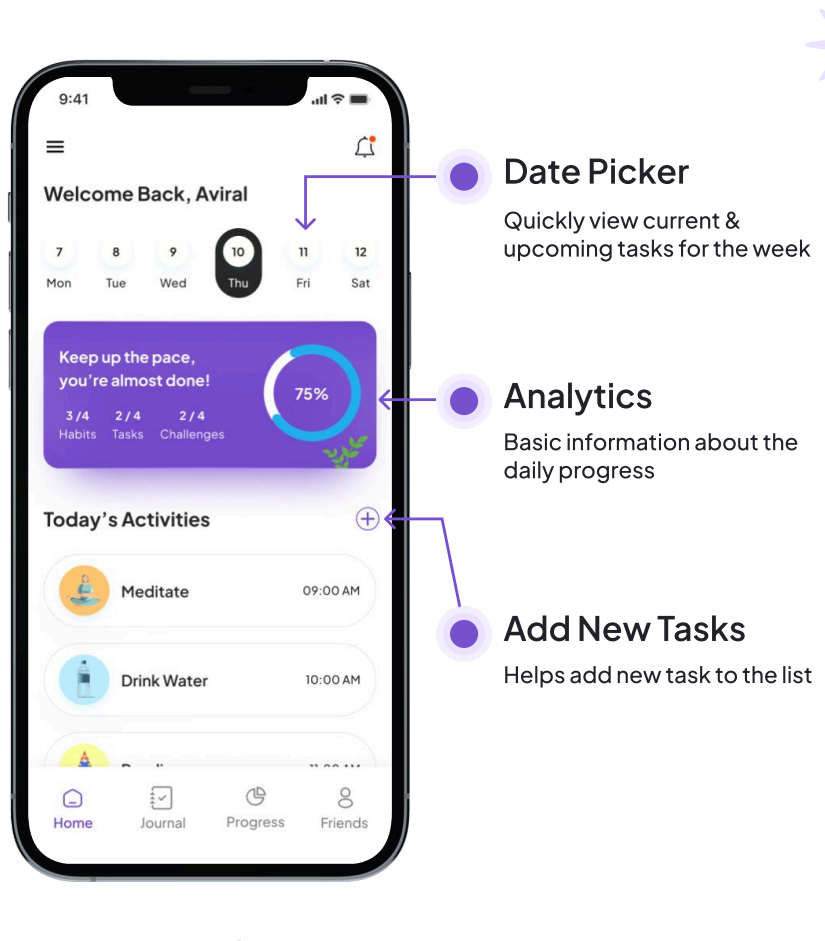
Light Mode



Dark Mode



Hi-Fi Designs

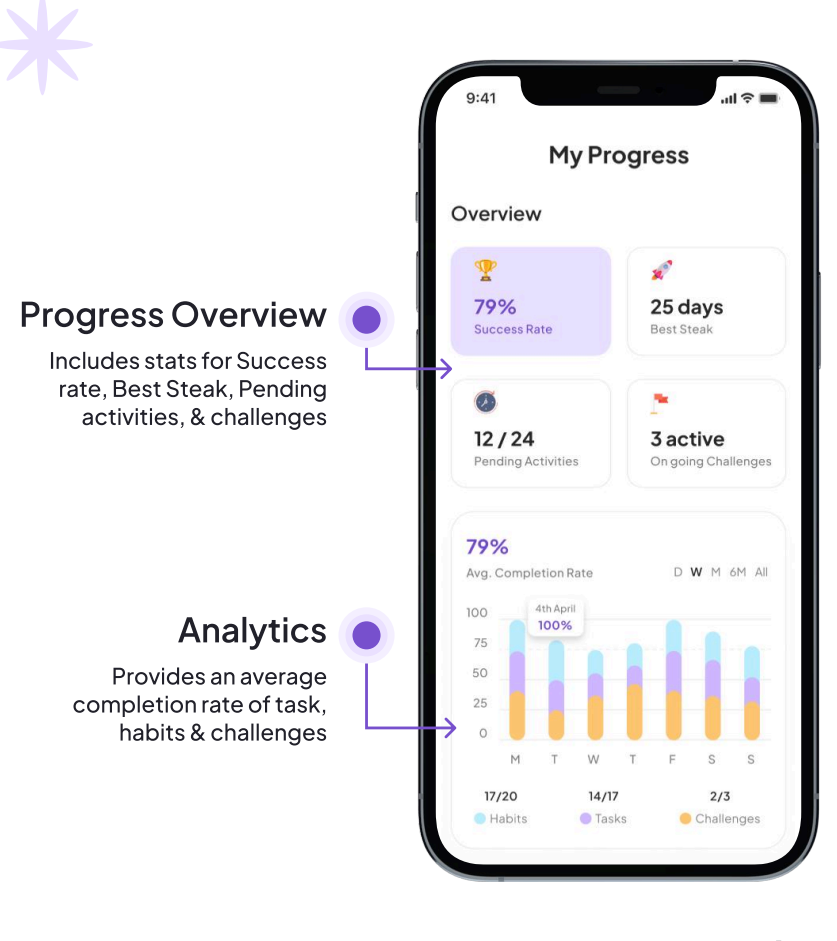


Date Picker
Quickly view current & upcoming tasks for the week

Analytics
Basic information about the daily progress

Add New Tasks
Helps add new task to the list

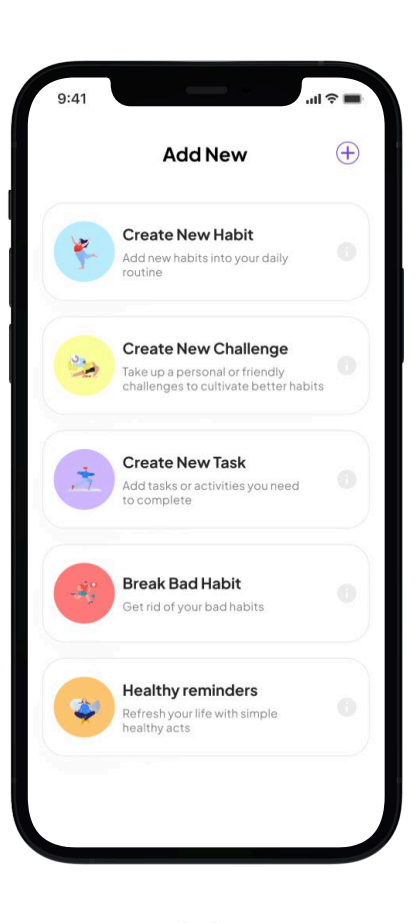
# Home Screen



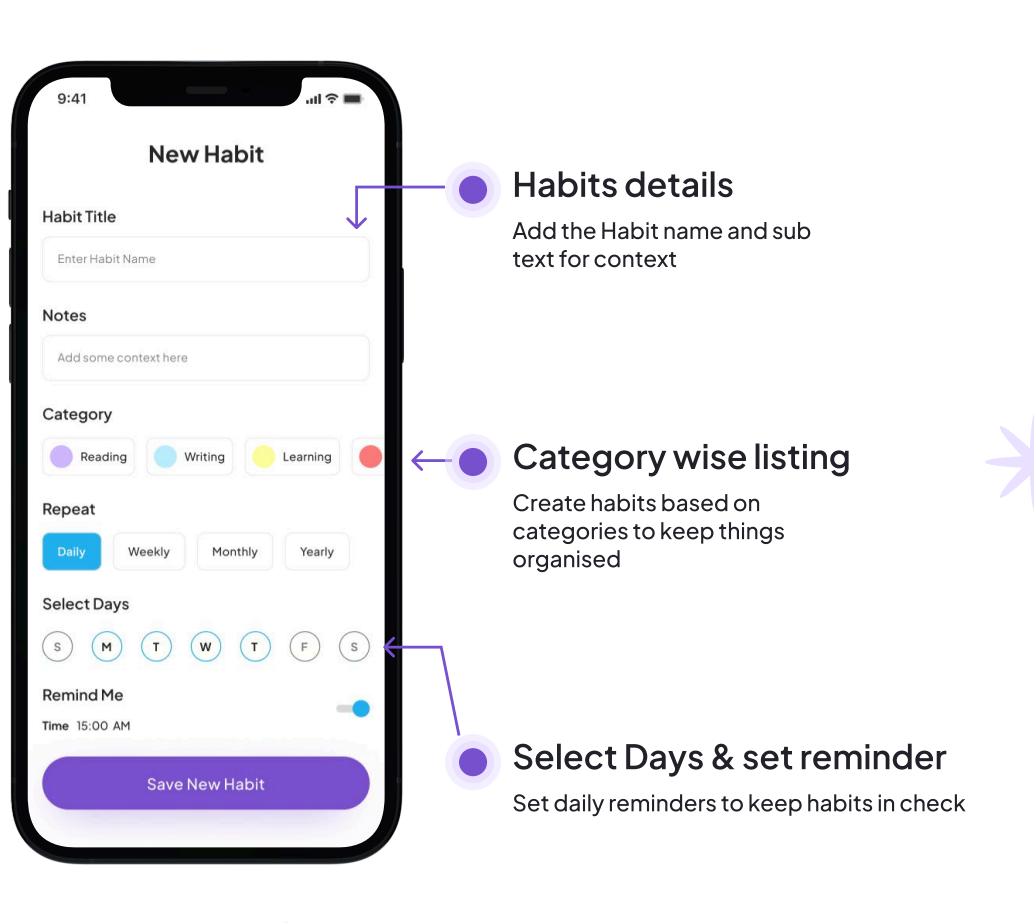
Progress Overview
Includes stats for Success rate, Best Steak, Pending activities, & challenges

Analytics
Provides an average completion rate of task, habits & challenges

# Progress Tracker



# Add New

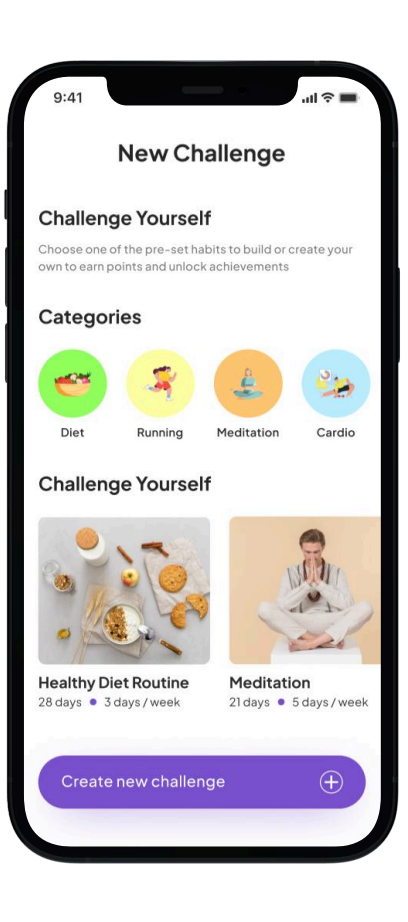


Habits details
Add the Habit name and sub text for context

Category wise listing
Create habits based on categories to keep things organised

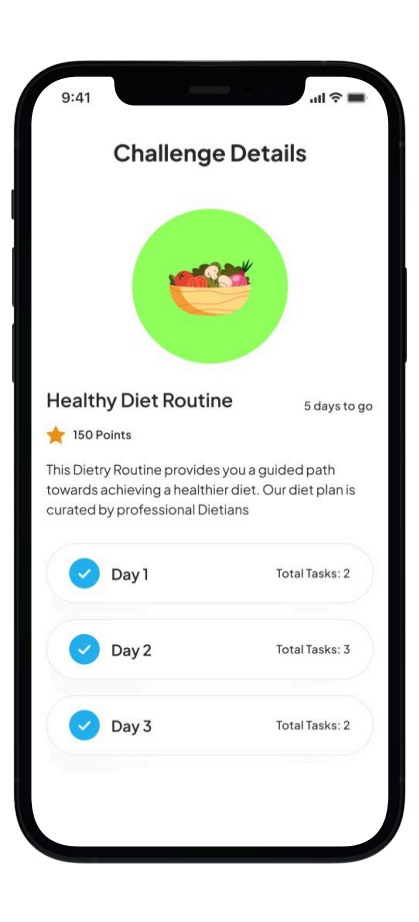
Select Days & set reminder
Set daily reminders to keep habits in check

New Habit



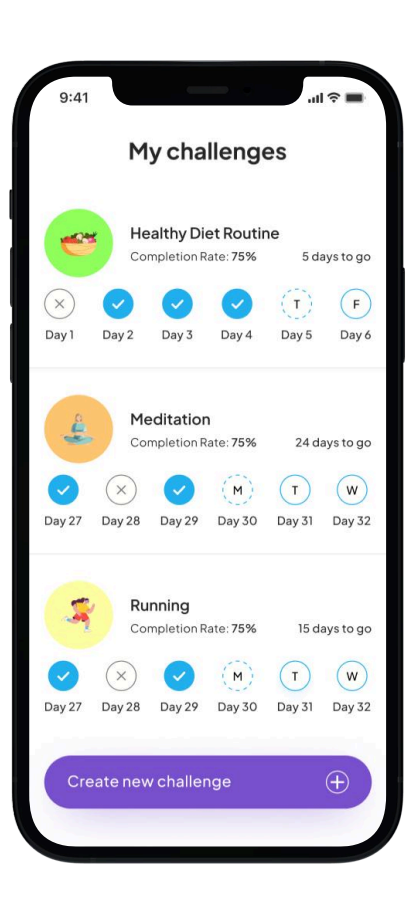
# New Challenge

Where users can start a new challenge based on their goals



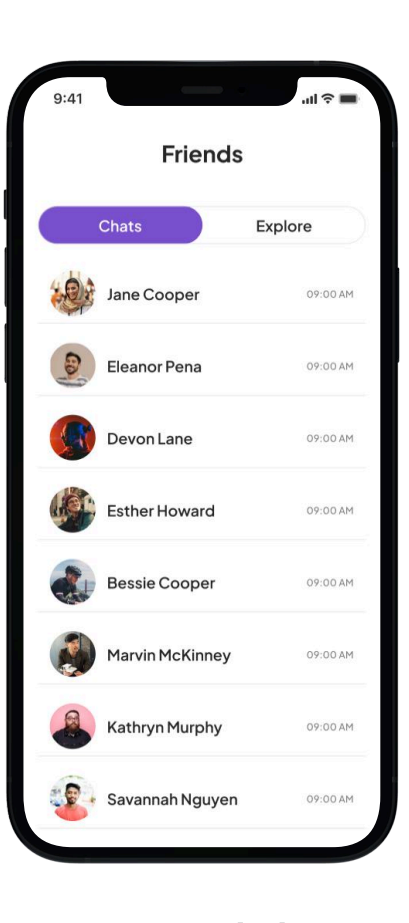
Challenge Page

Provides users with detailed path they need to follow



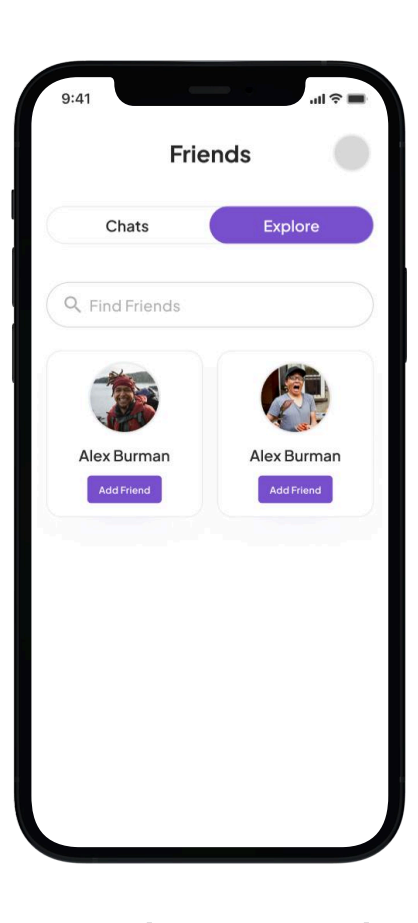
Challenge Progress

List of ongoing challenges with users progress



# Friends list

Users can chat with friends & share their achievement



#Explore Friends

Explore and connect with like minded people having similar goals as you

Key Learnings

Working on this problem helped me widen my understanding of sedentary lifestyle and its ill-effects. Finding the right features that solved the users problem was challenging, but this project helped me get out of my comfort zone & challenge myself to deliver user centric solutions.

However, there are still a lot of inputs & features that could be added with proper testing and identifying the problem with the help of real-time user data.

Thank You For Watching

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