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IDCC 375 – 1

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Pill App Prototype Research Report

Focus

Our focus revolves around addressing the needs of regular commuters and travelers, such as workers and individuals traveling far distances. These individuals typically consist of middle-aged men and women who are employed in blue-collar or white-collar jobs. As travelers, these individuals are constantly on the move, transitioning from one place to another. They typically lead busy lives, often balancing work commitments, family responsibilities, and personal pursuits. These individuals usually commute daily for work or take frequent trips for business or leisure. As such, their daily routines may lead to many challenges given their fast-paced lifestyles. Constant movement makes it difficult for an individual to maintain a consistent medication plan. As such, developing a stronger understanding of the unique needs, pain points, and preferences of this target consumer is crucial for developing an effective and innovative solution.

Relevant Research

We began our research by identifying current users of pillboxes that align with the criteria outlined in our focus. This involved organizing interviews and minor focus groups with individuals to gain insights into their experiences and preferences regarding medication management while traveling or commuting. As an extension, we also explored existing current

pill reminder apps, task manager apps, and reminder apps available on the market. Upon review of feedback, reviews, and general comments from our interviews with members of our audience, we discovered that there are three main problems faced regarding this product. Ease of use, function, and discretion were the three biggest concerns of users. Pain points included having applications that were hard to use on the go.

Interviewees complained that when they are traveling around and busy with work, it is extremely easy to forget about taking their medication. People on the go like this need a way to remind themselves to take their medication. They need an application to provide a way that somehow reminds them to fit in the time for consuming medication into their busy schedules and routines.

With the information about reminders for taking medication, we began researching for and developed our app prototypes which are geared around keeping track of your medications. Our app designs offer features to set alarms like reminders for various medications and times throughout the day. The apps also work to organize what medications you currently take, this way for someone on the go who may not always remember a lengthy list, they can access it quickly when needed.

Being on the go also makes time management difficult. Calling doctors or pharmacies to get prescription refills can be very time-consuming, especially with the automated answering machines many places now use. Interviewees complained about this, so we knew to include a refill section on our more advanced app prototype to make this process simplified and easier.

Overall, we gathered that our app had to be simple, with various functions. Users want it to be quick and simple for fast and easy use. It needs to be accessible and provide good reminders and information and must be consistent. This research we incorporated into our designs.

Designs

Wireframe #1:

Logo

12:00

T O D A Y

April 30th, 2030

AM

Medication ABC
Medication DEF

COMPLETE

NOON

Medication XYZ

AWAITING

AFTERNOON

n/a

PM

Medication ABC

LATE

Take in 8 hours

Take Now

NO MEDICATION AT THIS TIME TODAY!

Home

Calendar

Search

Profile

Logo

12:00

APRIL

2024

S	M	T	W	T	F	S
1	2	3	4	5	6	7
✓	✓	X	✓	✓	✓	✓
8	9	10	11	12	13	14
✓	✓	✓	✓	✓	X	✓
15	16	17	18	19	20	21
✓	✓	✓	✓	✓	✓	✓
22	23	24	25	26	27	28
✓	✓	✓	✓	✓	✓	✓
29	30	31				
✓	IN PROGRESS					

16 days in a row

Home

Calendar

Search

Profile

Logo

12:00

Medications:

ABC

Taken at 8 am
and 8 pm

taken daily

2x a day

DEF

Taken at 8 am

taken every other day

1x a day

XYZ

Taken at 12 pm

taken daily

1x a day

+ ADD NEW

Home

Calendar

Search

Profile

Logo

12:00

Your Doctor

Contact

123-456-7890

email@doc@doc.org

Request A Refill

add medication name...

add any other information...

Get Help

What can we help you with?

Home

Calendar

Search

Profile

Wireframe #2:

05:32:21

To take

Tab 1

Tab 2

Sort by

Med 1

Med 2

Med 3

Med 4

Med 5

Med 6

Med 7

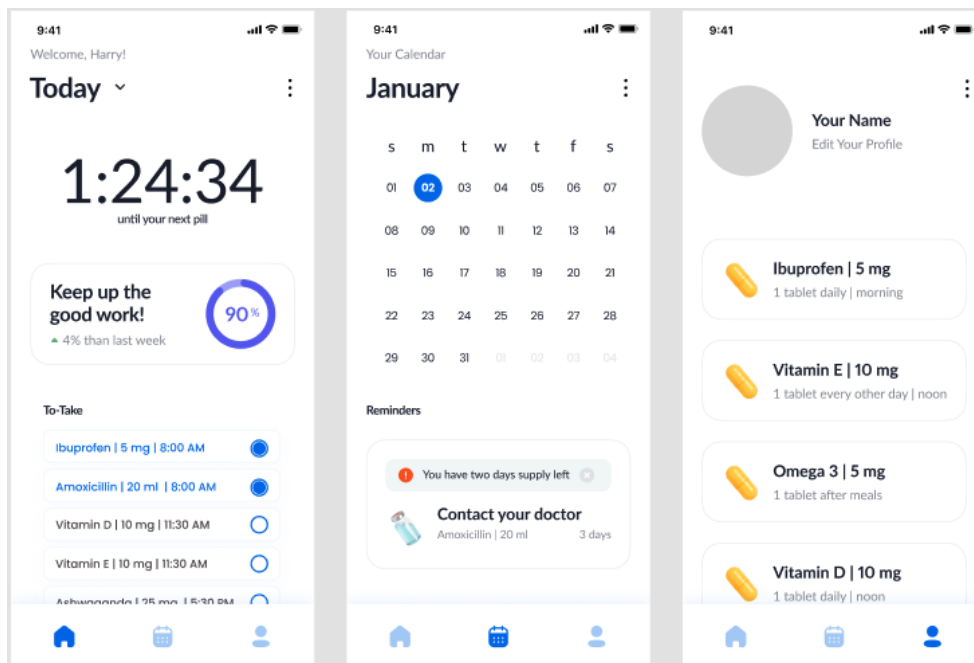
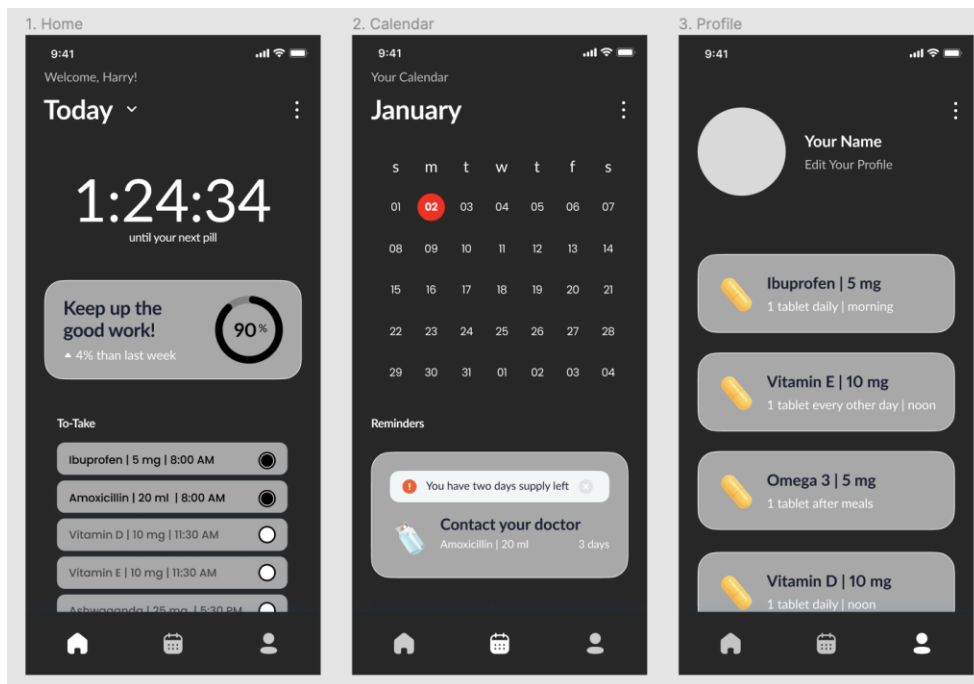
Med 8

Med 9

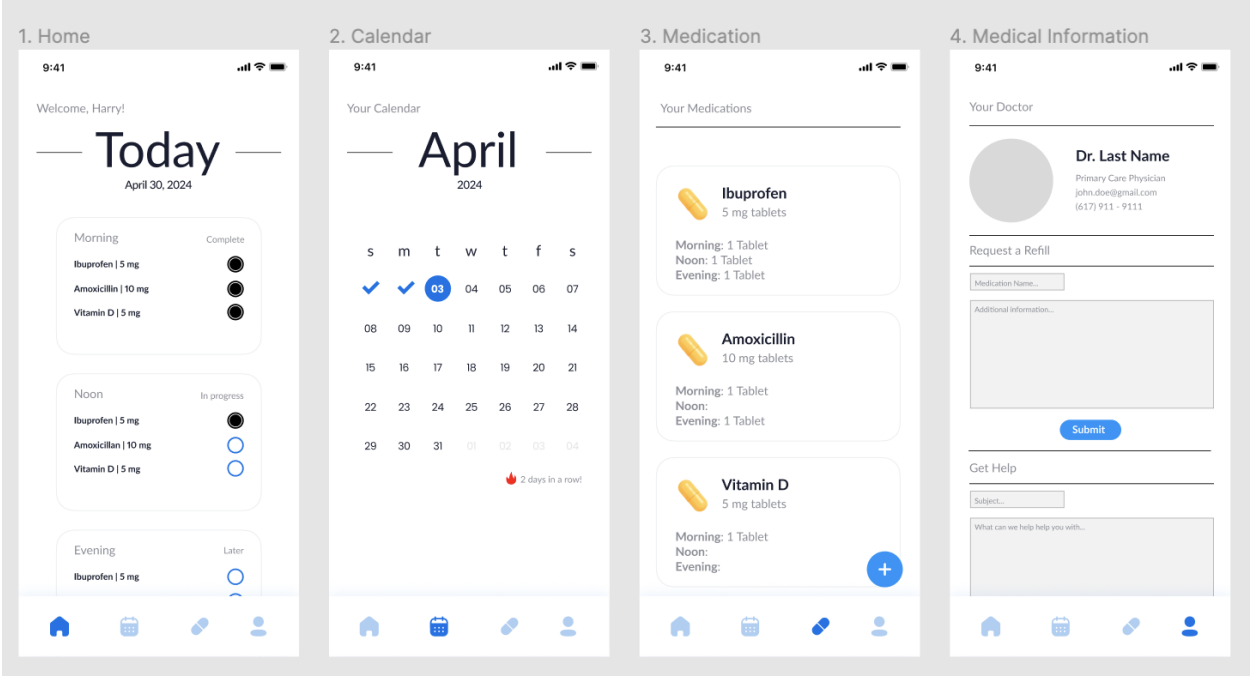
Tab 1

Tab 2

Figma Prototype #1:



Figma Prototype #2



Our Design Justification

Taking inspiration from task management and existing calendar applications on the market, our app's design focuses on simplicity and accessibility, catering to the fast-paced lifestyles of users.

Our designs above give a simple and easy way for people using our app to have a productive and trackable way to take their pills on the go, much easier more convenient way to make our fast-paced individual take their pills. In our first Figma prototype, we split it up into three sections. First being the home page, this page is probably the easiest and most important page as it allows users to track pills they took and still need to take. It also includes a countdown timer which indicates when your next pill is. In addition, we included a progress bar that would allow users to be aware of their progress, showcasing how their pill consumption rates have changed over time. Taking inspiration from task tracking platforms available on the market, we found that this approach would introduce a more user-friendly design. As such, our design was created to allow users to be able to interact with the app with one finger or hand.

The second page is the calendar. The calendar is designed to let users view the current date and list information on all pills needed on that day. The goal is to allow users to view specific dates and view pills they took or possibly missed. As such, this would allow users to better reflect on their pill consumption rates and allow healthcare providers to be more aware of their patient's data. It also includes reminder pop-ups to remind you of a variety of things such as when you are low pills, skipped pills, etc.

The third page is the profile page. Functionally, this page is meant for users to track and manage their medication information. As appearance goes, the page includes two sections: one for managing your profile and personal information, the second, your medication list. We kept the functionality simple so that it is less confusing to follow, especially for people always on the

go, it doesn't distract you. It's structured so that users can easily add or remove medications and organize them for reminders.

Our second Figma prototype was designed in a similar manner, except there's an extra page for medical information, allowing you directly contact your doctor to request a refill or support. This chat system was also designed to ensure one-hand interaction. Having your home page, then calendar page, then medication page is most fitting and accessible for people on the go. Overall, our designs prioritize accessibility and ease of use, ideal for our target demographic of middle-aged and younger users.

Discussion of Our Prototypes

As we mentioned, our pill app prototypes would serve a beneficial purpose, particularly for individuals always on the go, such as travelers and workers, who often face challenges in managing their medication due to their fast pace's lifestyles. The prototypes offer a robust solution designed to simplify medication management, a task that can be particularly challenging for those with busy schedules. The key strength of designs focuses on simplicity and accessibility, ensuring that users can effortlessly track their pills, manage doses, and stay organized amidst their routines.

One of the standout features of our prototypes is the inclusion of a home page for immediate dose tracking, a calendar page for progress monitoring, and a profile page for medication management. This approach caters to the specific needs of users who require quick access to essential medication information while on the move. Additionally, the prototypes offer features such as organization of medications and reminders for various medications and times throughout the day, further enhancing their utility for busy individuals.

In terms of design decisions, our prototypes prioritize simplicity, making them user-friendly solutions for managing medication on the go. The clear sections and intuitive navigation ensure that users can easily navigate the app without confusion. This user-centric design approach enhances the overall usability and functionality of the prototypes, making them highly effective tools for addressing the unique needs of busy lifestyles.

Overall, our prototypes offer a comprehensive and efficient solution for medication management, addressing the challenges faced by individuals with fast-paced lifestyles. By providing a simple and user-friendly interface, our prototypes empower users to manage their medication effectively, ensuring better adherence to their medication plans and overall health management.