AMIT AVITAL
ASAF VARON
OREN SCHORY

21.6.2024

PRODUCT PRESENTATION

MR.PILL APPLICATION

Accademic Tel Aviv-Yaffo Workshop

OVERVIEW

21.6.2024

ABOUT US

Amit Avital - 25 Years old, married, born in Jerusalem live in Jaffa. Computer science student on the 3rd year.

Asaf Varon - 25 Years old, live in Rishon Lezion. Computer science student on the 3rd year.

Oren Schori - 27 Years old, Live in Modi'in Computer science student on the 3rd year.

MR.PILL

01 Mobile application that designed to revolutionize medication management for individuals and families

02 Empowers users to effortlessly monitor their medication

03 Our vision is to assist and to make accessible usage to the Israeli old people with medicine management

THE PROBLEM

21.6.2024

✕ FORGETFULNESS

Individuals often forget to take their medications on time, leading to missed doses and inconsistent treatment.

THE PROBLEM

21.6.2024

ORGANIZATIONAL & MANAGEMENT

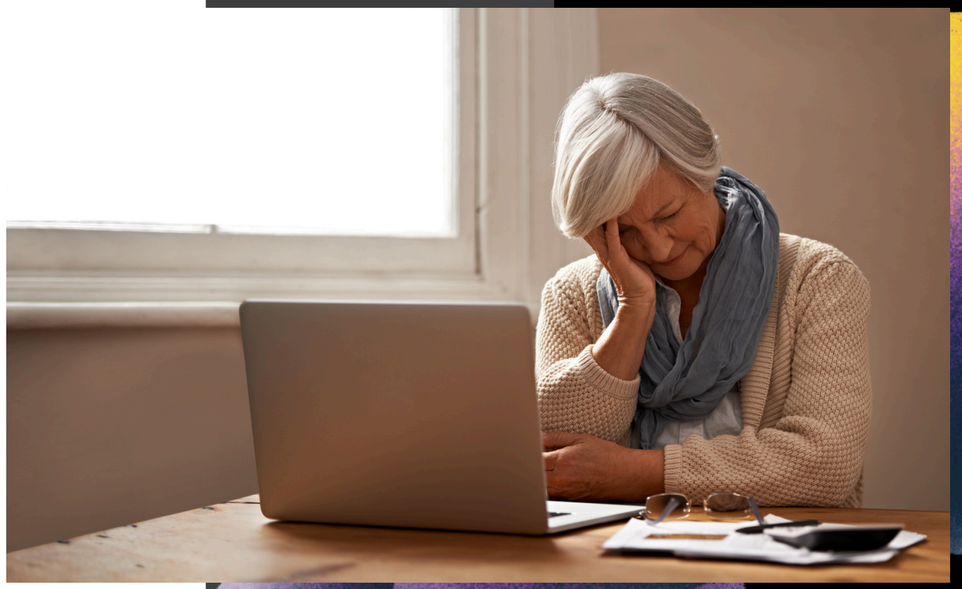
Keeping track of when to refill prescriptions can be challenging, resulting in running out of essential medications unexpectedly. In addition, when doctor send us to buy medication we have no idea if we already have it.

THE PROBLEM

21.6.2024

✕ ACCESSIBILITY

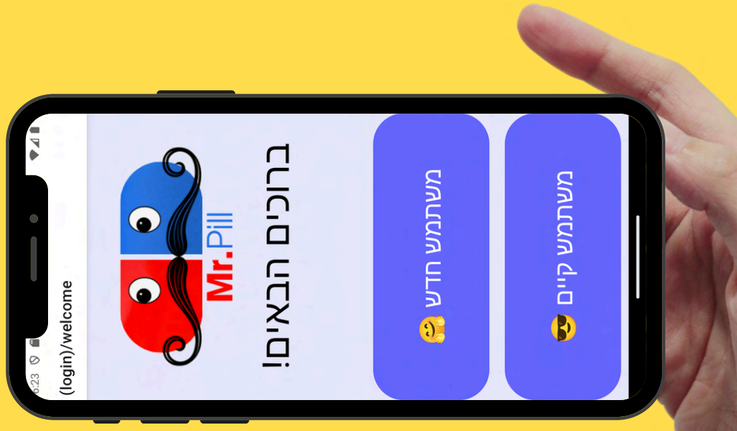
Many elderly Israelis face significant challenges in managing their medications due to language barriers and limited access to user-friendly, accessible applications.



THE PRODUCT

21.6.2024

Mr.Pill is a mobile application aimed at personal medication management for individuals and families in the Israeli market. Our platform simplifies the complexities of organizing, tracking, and maintaining medications, offering users a solution to ensure they never miss a dose or run out of essential prescriptions, with minimal effort.



Users can view detailed information about each medication. Mr. Pill provides real-time updates on medication inventory

Individuals or households can create secure profiles to manage their medication data conveniently

Barcode scanning feature allows users to quickly add medications by scanning the barcode directly from their mobile device

The application fully supports the Hebrew language by default, to provide smooth user experience to the Israeli audience

AUDIENCE

21.6.2024

Mr.Pill caters to any individual and family seeking a solution for medication management with a focus the on the Hebrew speaking Israeli market.

INDIVIDUALS

Individuals managing their own medications, whether for chronic conditions or occasional treatments, by for instance managing your inventory of non-prescription medical supplies such as bandages and Advil, up to monitoring sensitive prescription that must be a tracked closely.

FAMILIES

Families looking to streamline medication management for multiple members, from parents managing children's medications to caregivers overseeing the health of elderly relatives, who seek a user-friendly platform to organize and track medical supplies.

APPLICATION OVERVIEW

21.6.2024

Main application screen navigator

01 Add Family / Household medicine inventory - list of shared medicine inventory of housemates.

02 List of user medicine- List of your personal medicine (Private/Shared).

03 Reminder - set a reminder for taking medicine.

04 Add new medicine to the storage- You can scan directly the medicine barcode or add manually details of the new medicine.

MEDICINE INVENTORY

Real-Time Inventory Management

01

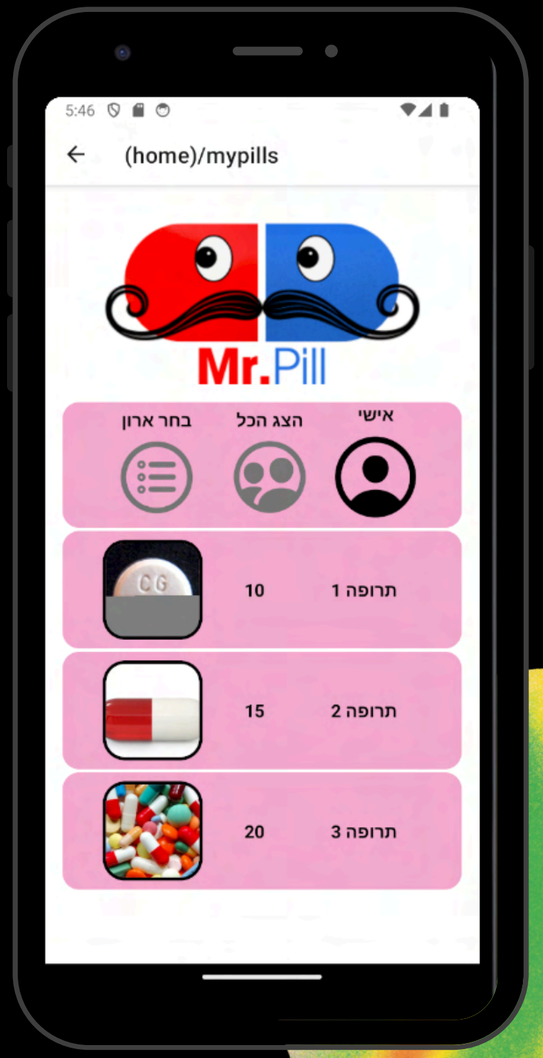
Our app provides users with real-time updates on their medication inventory, including current stock levels, expiration dates, and detailed medicine information.

02

Our app helps you stay organized and avoid running out of essential medications by providing low stock alerts. It also saves you money by preventing unnecessary re-purchases of medications you already have.

03

Allows for efficient management of all household members' medications in one place, simplifying organization and oversight.



Mr.Pill

21.6.2024

BARCODE SCANNING

Enable users to easily add medications to their inventory

01 Adding medications by scanning barcodes is fast and easy, allowing users to quickly update their profiles without the tedious task of entering details one by one.

02 By using barcode scanning, users can maintain an up-to-date and accurate inventory of their medications, helping them better manage their supplies and avoid running out of essential medications.

03 Our barcode scanning service connect to Israeli Health Ministry to ensures that medication details are recorded accurately and providing users with comprehensive data

Mr.Pill

21.6.24

ALERTS

Customizable medicine alerts & Timely reminders

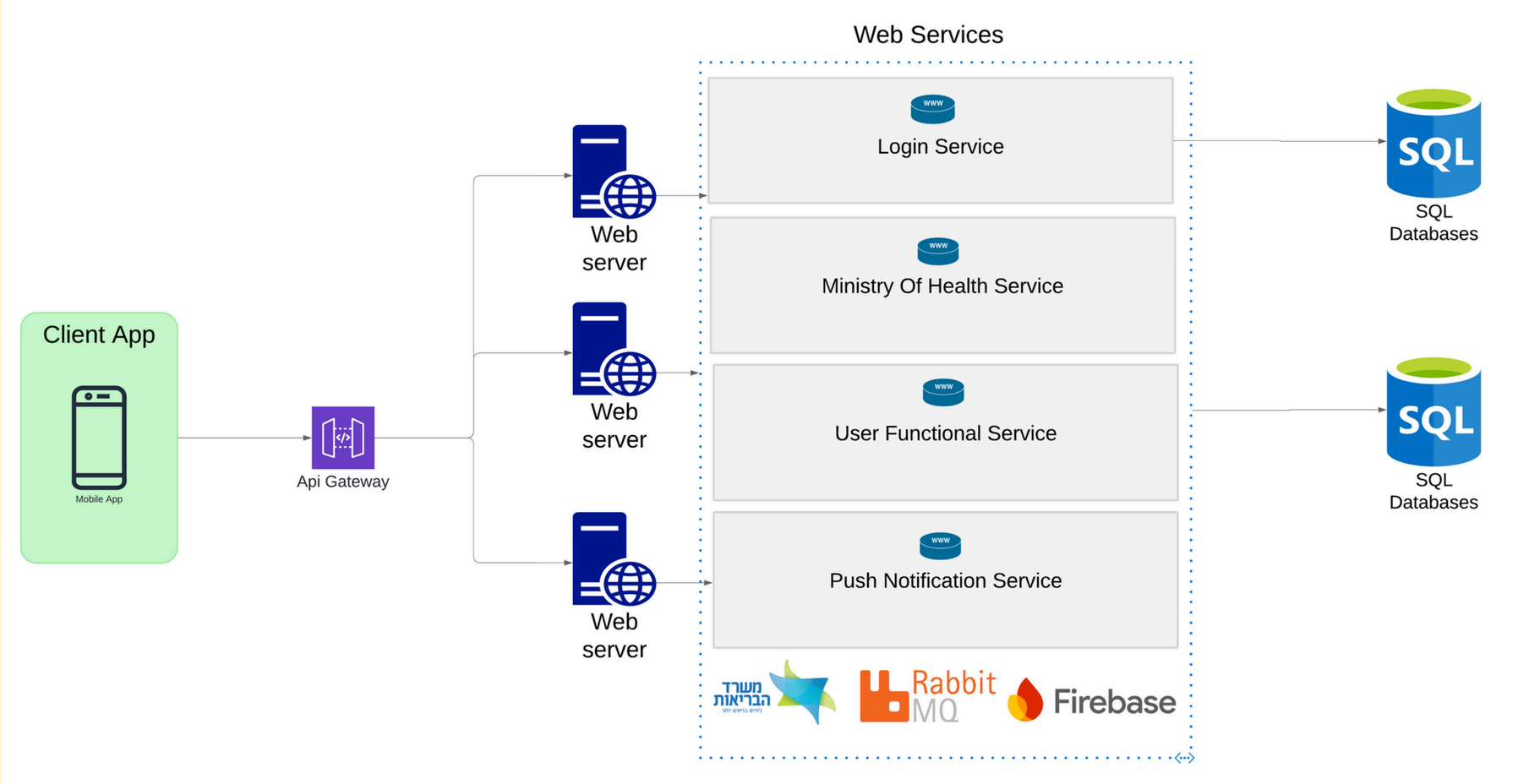
Ensures users never miss a dose by providing timely alerts directly to their phone, helping maintain a consistent medication schedule for better health outcomes.

Allows users to personalize their notification settings based on their specific needs and preferences, ensuring that reminders fit seamlessly into their daily routine.

APPLICATION ACHRITECTURE

21.6.2024

Our application utilizes a microservice architecture, allowing for greater scalability, flexibility, and resilience. Each microservice handles a specific aspect of the medication management system, login service as user authentication, medication tracking, alerts, and inventory management.



21.6.2024

TECHNOLOGIES

Microsoft SQL Server
Database
Stoarge

React Native
Front-end
Development

C#
.NET
Back-end
Development

Rabbit MQ
Containers
Communication

docker
Containerization

Firebase
Notification
Service

ROLES AND RESPONSIBILITES

21.6.2024

AMIT AVITAL

- Focuses on the backend web services - Ministry of Health service and Push Notification service .
- Work on Integration to Ministry of Health API to get real time formal medicine details.
- Database design and integration.
- Containerizing the service using Docker to ensure consistency and reliability.

ROLES AND RESPONSIBILITES

21.6.2024

ASAF VARON

- Focuses on the backend development web services - Login/Register service User Functional service and API Gateway service.
- Work on user authentication using JWT and Communication between Containers via messages queue.
- Database design and integration.
- Containerizing the service using Docker to ensure consistency and reliability.

.NET

C#

docker

RabbitMQ

ROLES AND RESPONSIBILITES

21.6.2024

OREN SCHORY

- Focuses on the frontend development - client side service.
- Built the Application Client Layer using React-Native and Expo running on Node.JS to providing an environment for the cross-platform mobile application
- Database design and integration.
- Using Axios to fetch data over HTTP from the backend WebServices.

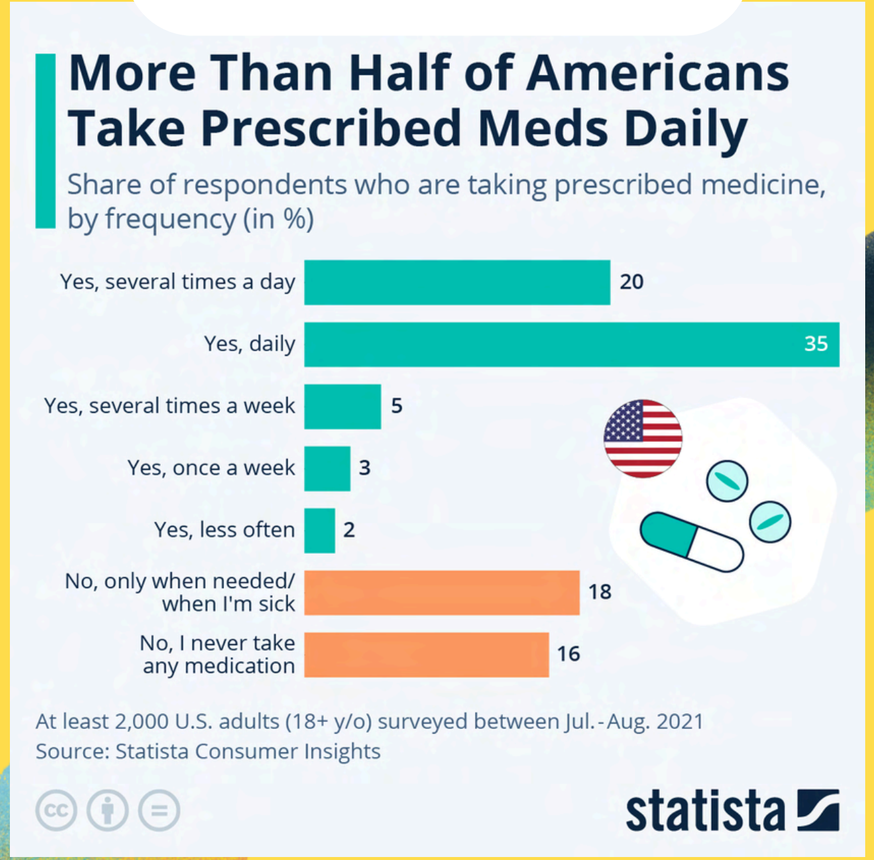
MARKET CAPACITY

21.6.2024

For 2023, the total global pharmaceutical market was estimated at around 1.6 trillion U.S. dollars. This is an increase of over 100 billion dollars compared to 2022

Approximately 3,217,500 individuals in Israel relying on medication, representing 33% of the population.

More than half of adults were regularly taking prescribed drugs in the United States in 2021



“The accumulation of unused medications leads to medication wastage and causes consequent losses of economic resources.”
“The total value of medicines returned to three tertiary hospitals exponentially increased...”

21.6.2024

THANK YOU

AMIT AVITAL
ASAF VARON
OREN SCHORI

Mr.Pill