

User Cases:

1. As a user, I want to be able to have my own home page consisting of different services and appointments so that it is easy to get help.
2. As a user, I want to be able to view the schedule of different doctors so that I can book appointments.
3. As a user, I want to be able to view a report of my health details so that I can check them.
4. As a user, I want to be able to search and view the list of active doctors so that I can interact with them.
5. As a user, I want to be able to view the details of every doctor so that I can know more about their expertise.
6. As a user, I want to be able to view the list of doctors nearby so that I can book an in-person appointment.
7. As a user, I want to be able to book an in-person or online appointment so that I can get help.
8. As a user, I want to be able to select the time I want to book an appointment for so that I can choose a convenient time.
9. As a user, I want to be able to pay for the appointment online so that I can confirm my booking.
10. As a user, I want to be able to see the distance between me and the doctor's office so that I can visit them.
11. As a user, I want to be able to interact with the doctor so that I can tell them more about my symptoms.
12. As a system, I want to be able to store and manage health records in a block using blockchain technology so that I can keep the records safe and secure.
13. As a system, I want to be able to share the health records of a patient with a doctor so that they can help the patients effectively.
14. As a system, I want to be able to track patient's medications and send them automated reminders for medication adherence.
15. As a system, I want to grant doctors emergency access to a patient's health record for critical situations so that they can help them effectively.
16. As a doctor, I want to be able to share patients' health records with other doctors so that they can help them if needed.
17. As a system, I want to be able to ask a patient for their consent for accessing their health records so that I can share with doctors.
18. As an administrator, I want to be able to add patients to the system so that they can get help from doctors.
19. As an administrator, I want to be able to add doctors to the system so that they can help patients.

20. As an administrator, I want to let users upload prescriptions so that they can see the pharmacy it is available in.
21. As an administrator, I want to let users rate the doctor they took help from so that other patients can choose the best doctor for themselves.
22. As an administrator, I want to include health related articles and(or) medical news to the home page so that the users are up to date.

App Actors:

1. Users (Patients or Doctors)
2. Healthcare Providers (doctors, hospitals, clinics)
3. App developers
4. Blockchain Network
5. System Administrator
6. System (DB and Server/Client)

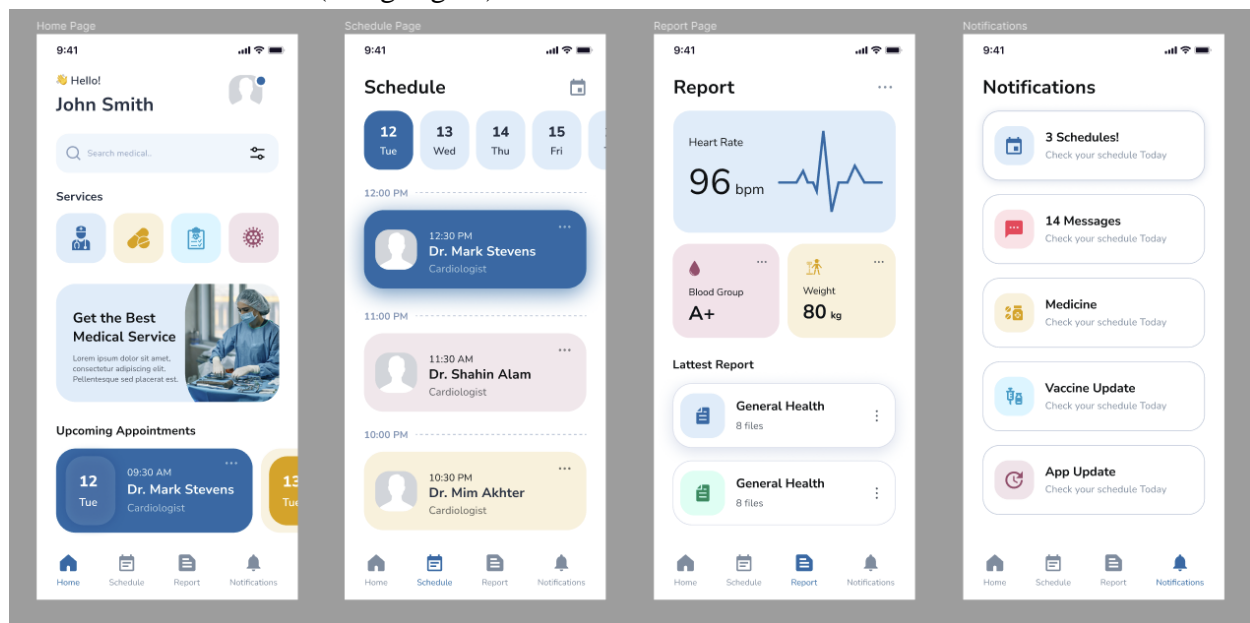
RED = UNSURE IF WE SHOULD KEEP

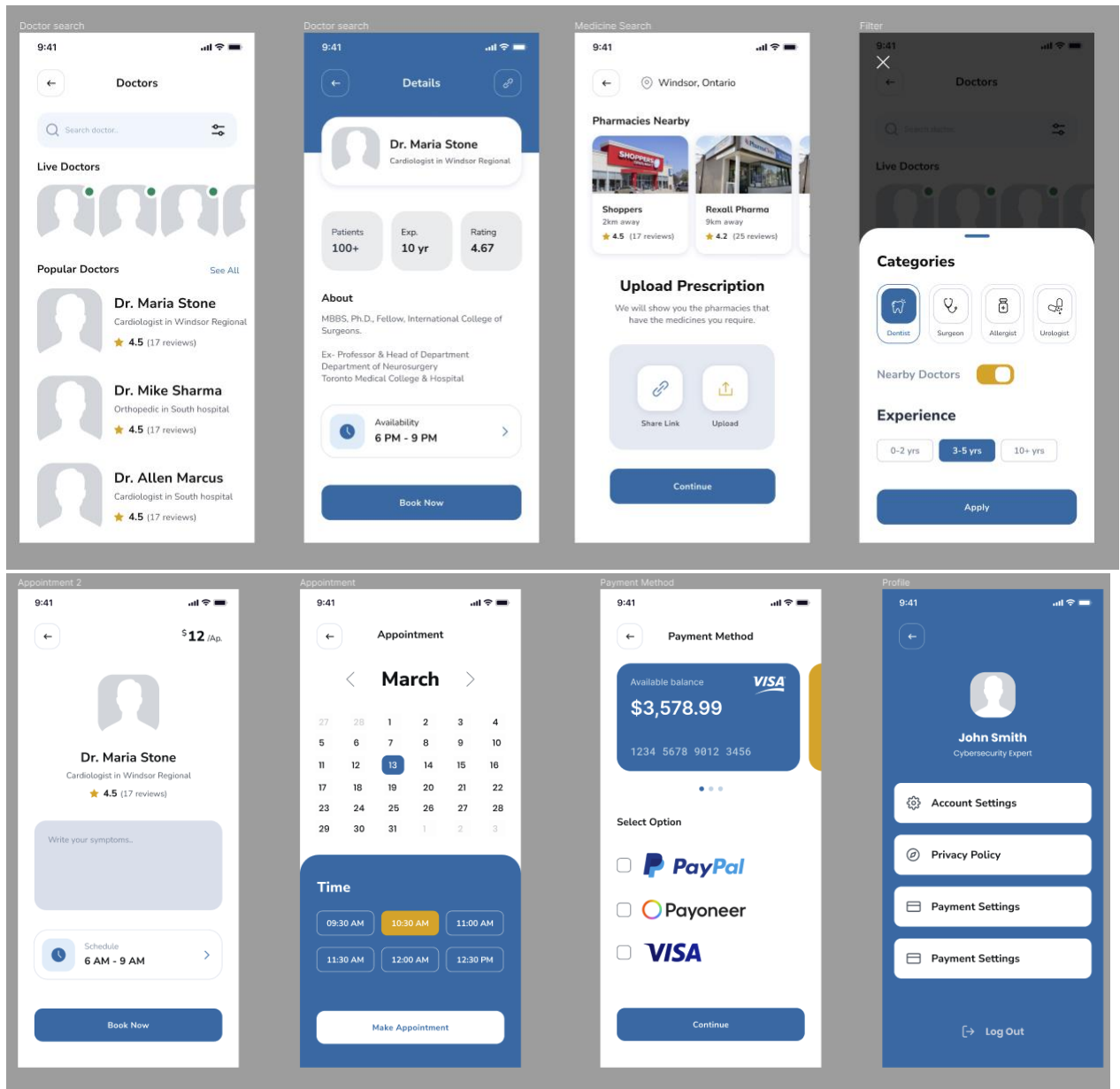
App Functionalities:

- **Secure Data Storage:** The app allows users to securely store their personal health records on the blockchain, ensuring that their information is tamper-proof and protected from unauthorized access.
- **Data Accessibility and Control:** Users can control who has access to their health records and grant permissions to healthcare providers. They can selectively share specific data.
- **Health Record Management:** The app enables users to manage and organize their health records efficiently. They can add or update medical information, including diagnoses, treatments, medications, allergies, immunizations, and lab results.
- **Appointment Reminders and Scheduling:** The app can integrate with users' calendars and send reminders for upcoming medical appointments, tests, or vaccinations. It also provides features to schedule appointments with healthcare providers.
- **Medication Management:** Users can keep track of their medications, including dosage, frequency, and any specific instructions. The app can send reminders to take medications on time and provide information about drug interactions or side effects.

- **Allergy and Condition Alerts:** The app can alert healthcare providers about a user's allergies, chronic conditions, or specific medical needs, ensuring that they receive appropriate care and avoiding potential complications.
- **Emergency Access:** In case of emergencies, users can grant authorized individuals, such as emergency responders or healthcare professionals, immediate access to their critical health information. This feature can be particularly useful when the user is unable to communicate their medical history.
- **Data practicality:** The app can support practicality standards, enabling efficient data exchange between different healthcare systems or providers. This feature allows users to consolidate their health records from multiple sources into a unified view.
- **Health Education and Resources:** The app can provide educational resources, articles, or links to trusted health information, empowering users to make informed decisions about their health and wellness.

Wireframe Screenshots (using Figma):





Pharmacy Location

9:41



Near West Windsor

IDA Pharma

📍 7.5 Km ⌚ 25 Min



Messages

9:41



Dr. Maria Stone

Active Now ●



Hi patient, what seems to be the problem?

Thu 09:30 AM



I am suffering from skin allergies, maybe a rash.

Can you send me a photo of the area?

Thu 09:35 AM



Yes Here it's



Write here..

