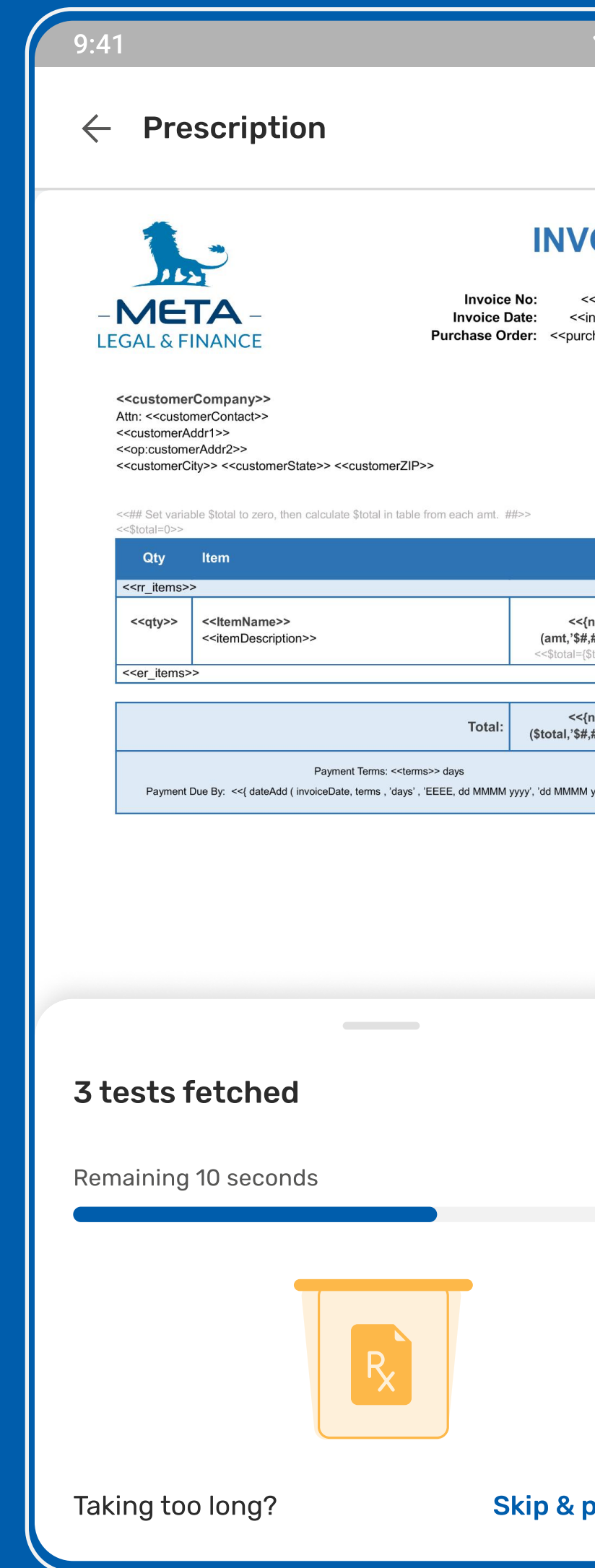
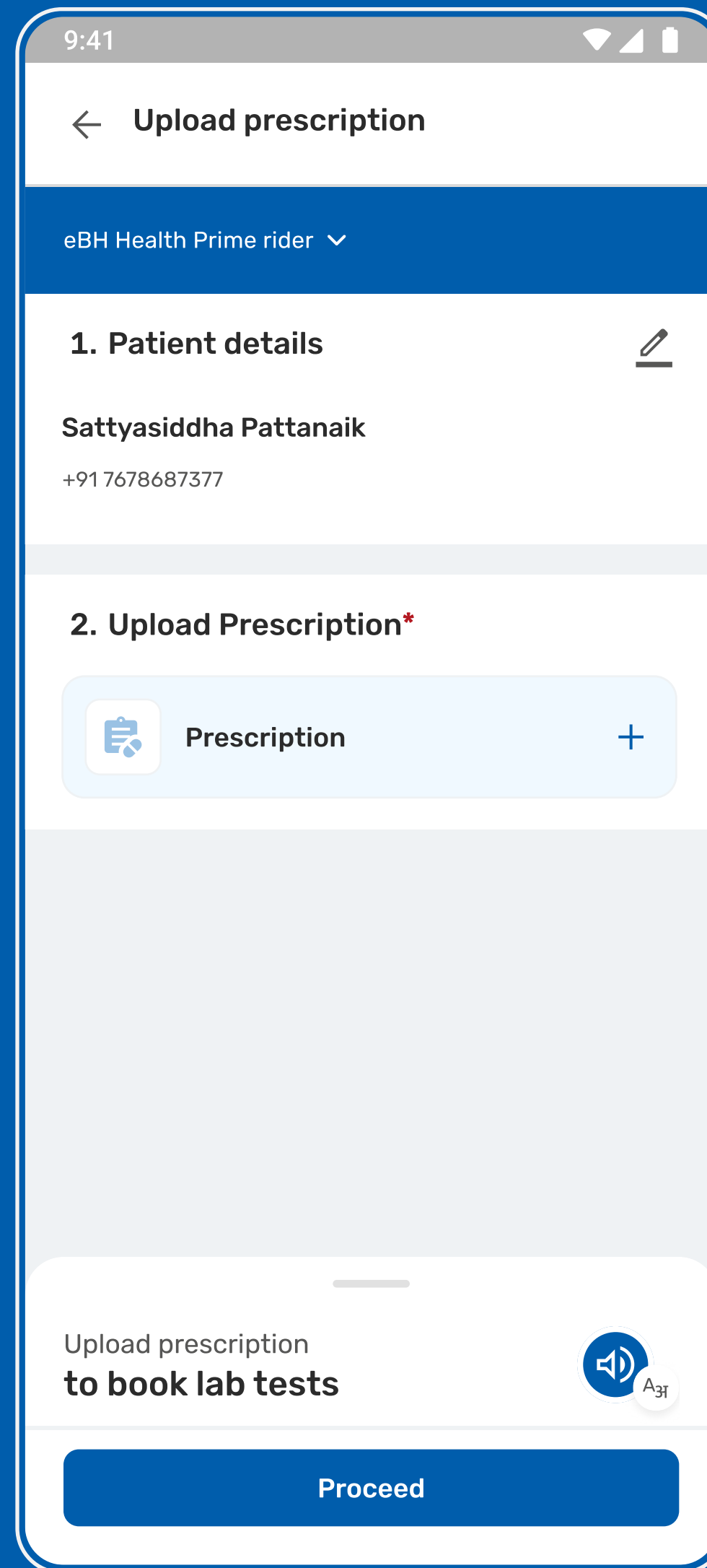


# Smart booking for lab tests

Upload prescription & book your test



## My role

I have played the role of **Lead UX Designer** in this project. Worked along with lead product manager, data science associate, team of software development associates.

As a Lead UX Designer in this project I was responsible for all UX decisions to be made, wire framing & prototyping, user testing, Interaction design.

Once the UX flow and design was approved, the UI designer was onboarded to help with possible interactions and visual design correction.

The project was frequently reviewed and finally approved by Chief Business Officer

## Collaboration team

1 Lead Product manager, 1 Associate product, 1 Associate data scientist, Associate Ui designer

## Project Timeline

3 Months

## Project Status

Live on Prod

***PTO***

## Introduction

Our lab test booking experience allows customers to conveniently book lab tests, either independently (DIY) or through an assisted booking process. While the DIY option provides control, it has been challenging for those with prescriptions, as they must manually search for and match tests, often leading to errors. Customers get confused on among numerous test options, resulting in dropouts. To address this, **nearly 40% of customers opt for the Agent Assisted booking** experience, where they upload a prescription and receive a callback from lab experts who help accurately book the necessary tests.

## Challenges in Assisted booking service

- High costs associated with setting up and training agents
- Operational expenses were balancing out the revenue from bookings.
- Loss of customers due to extended wait times for callbacks.
- Average callback time of agents, ranged from 20 to 30 minutes, result in customer lead drops
- The agent-assisted booking model was unsustainable in the long term.
- Losing on customers during non-business hours

## What Problem to solve

- Removing Customer Dependency on lab booking agents
- Maintain Convenience: Improving user convenience, ability to book on their own via DIY even during off business Hours
- Empower users to book their own test without agent assistance
- Reduce reimbursement for lab tests



## Key UX metrics to measure

- Funnel: **Target 80% conversion** ( From Test Verification page to Booked Successfully)

5-9  
Number  
of Clicks

Avg. time  
of booking

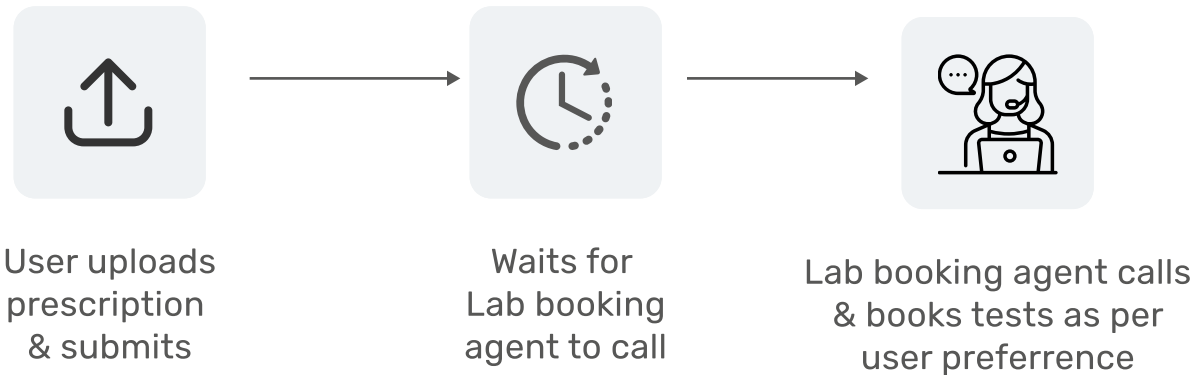
Increase in  
upsell & cross sell %

Reduced % User  
Dropping off from  
the journey

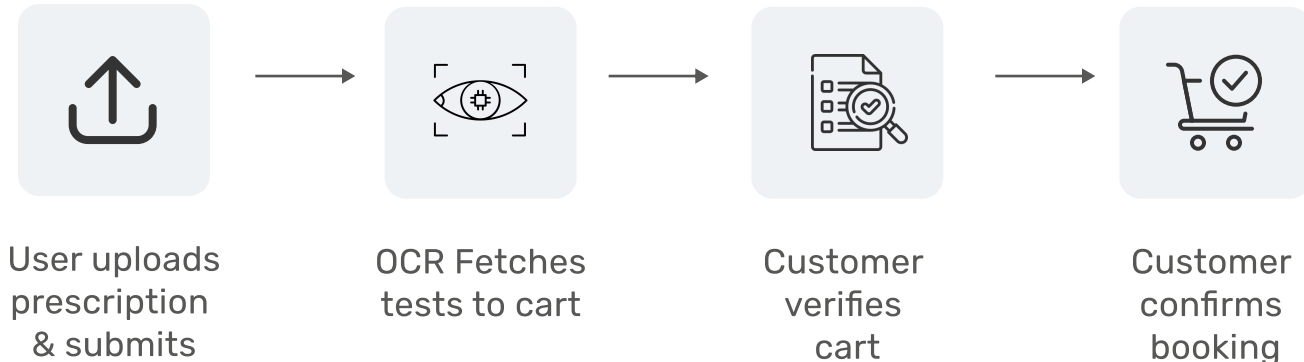
Reduced % of  
users opting  
agent  
assistance

Increase in Booking  
completion  
rate

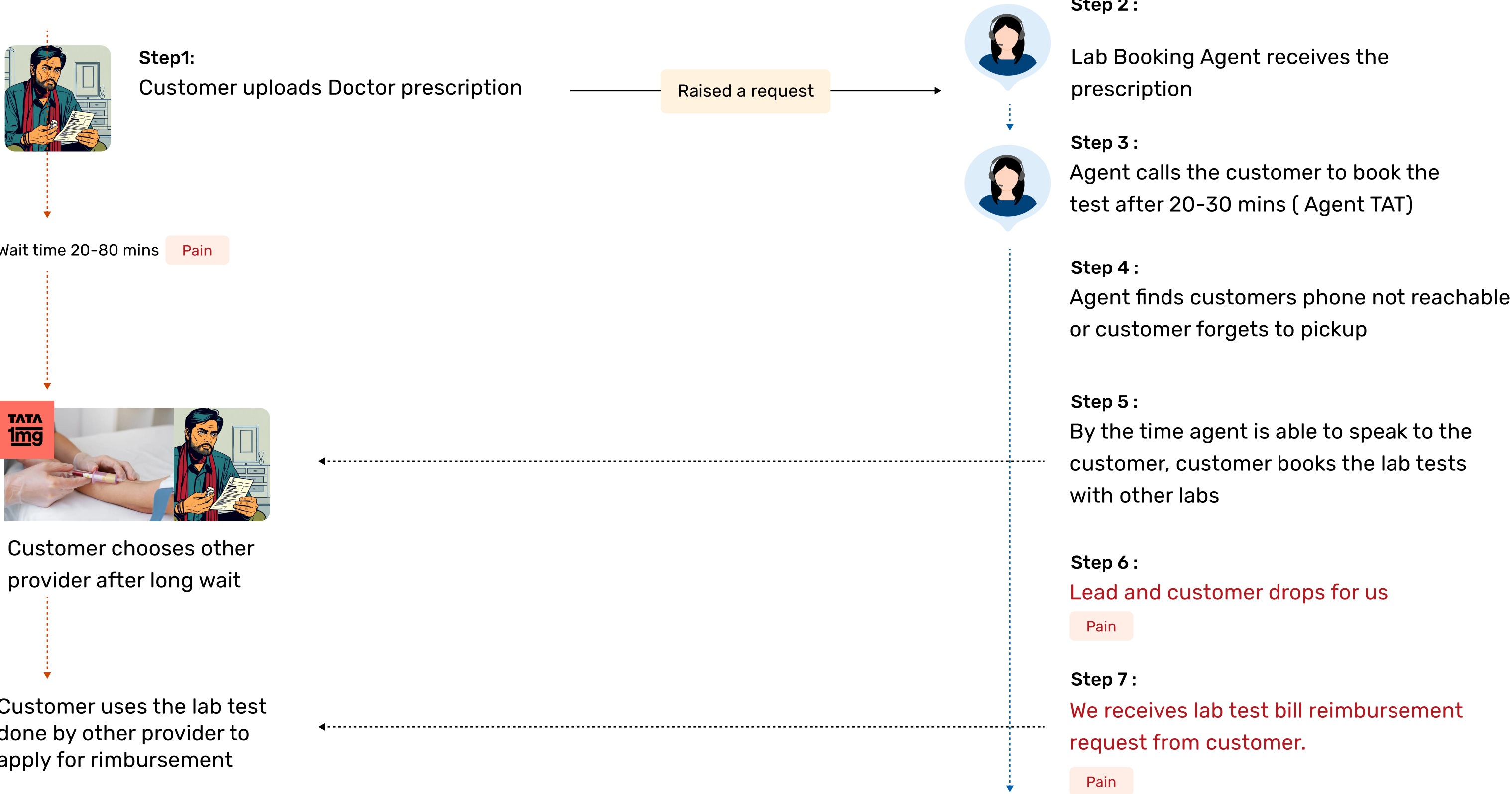
# Current agent assisted booking process journey:



**NEW DESIGNED FLOW**



## DETAILED JOURNEY 1 AFTER PRESCRIPTION UPLOAD





# Pains for the buisness: Data study

## \* Total Leads generated (in 3 months)

Out of total leads generated, **only 32% got converted** successful booking through assisted booking

Final_Journey	Leads Count	Bookings Count	% Conversion
RX Upload	10989	3579	32.57%
RCB	8545	1833	21.45%
CST	2211	597	27.00%
Other	1888	1868	98.94%
DRX	922	157	17.03%
Drop Off	342	19	5.56%
<b>Total</b>	<b>24933</b>	<b>8116</b>	<b>32.55%</b>

## \* Booking Cancellation Reasons (in 3 months)

Booking cancellations due to customer not reachable on phone when Agent tries to call back is a prominent issue, which could be solved through our OCR based lab booking

**Total cancellations 12218/24933**

Requested by user 3603

Cashless network NA 1730

**Customer not reachable 4142**

## \* Booking Cancellation metrics (in 3 months)

40% of calls are returned to customer within 5-30 min, resulting in customer lead loss

## \* Agent Call back time ( TAT)

40% of calls are returned to customer within 5-30 min, resulting in customer lead loss. This metric directly adds to the booking cancellation reason " Customer not answering )

First Completed Call TAT Bucket Wise Cuts

First Call TAT Buckets	Leads	%
0: 0-5 min	964	11.78%
1: 5-15 min	997	12.18%
2: 15-30 min	638	7.79%
3: 30-60 min	633	7.73%
4: 1-2 hr	562	6.87%
5: 2-4 hr	638	7.79%
6: 4-8 hr	238	2.91%
7: 8-12 hr	415	5.07%
8: 12-24 hr	398	4.86%
9: 24+ hrs	566	6.92%
NA	2136	26.10%
<b>Total</b>	<b>8185</b>	<b>100.00%</b>

40%

## \* Agent case closure

37 % conversion  
2 cases perday avg.

RX Upload		
Leads	Bookings	Conversion
562	212	37.72%
753	232	30.81%
486	120	24.69%
427	89	20.84%

## \* Off business hrs requests from customers

221 cases/ Month

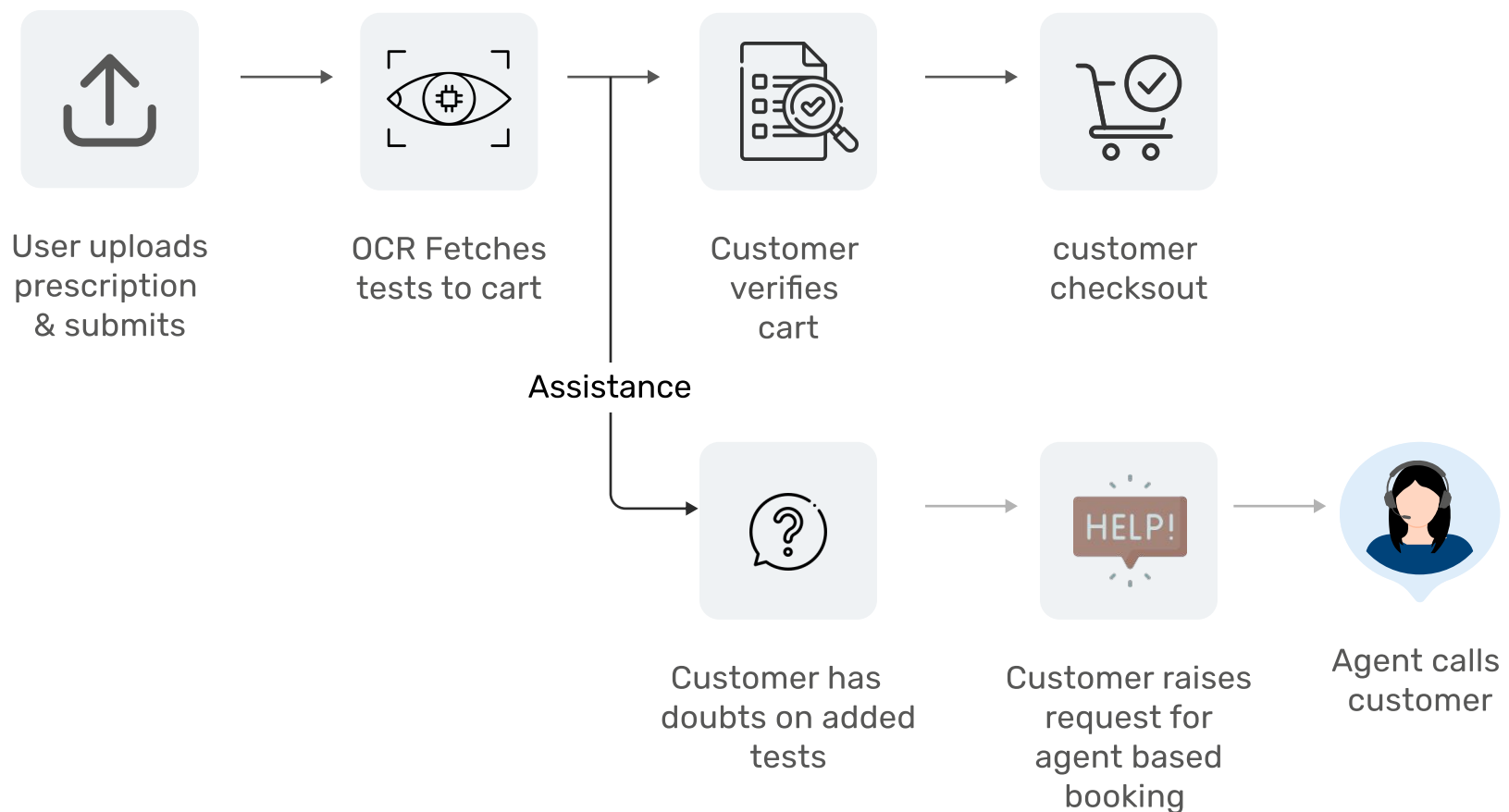
Final_Journey	RX Upload	
T1CI Hour Buckets	# CaseNumber	%
0: 8AM-9AM	221	55.67%
1: 9AM-10AM	226	50.45%
2: 10AM-11AM	109	59.89%
3: 11AM-12PM	58	61.70%
4: After 12PM	191	52.62%
<b>Total</b>	<b>805</b>	<b>54.25%</b>

## Problem statement

Build a capability for user to book lab test via DIY by just uploading a Doctor Prescription without the need of an assistance

## Solution

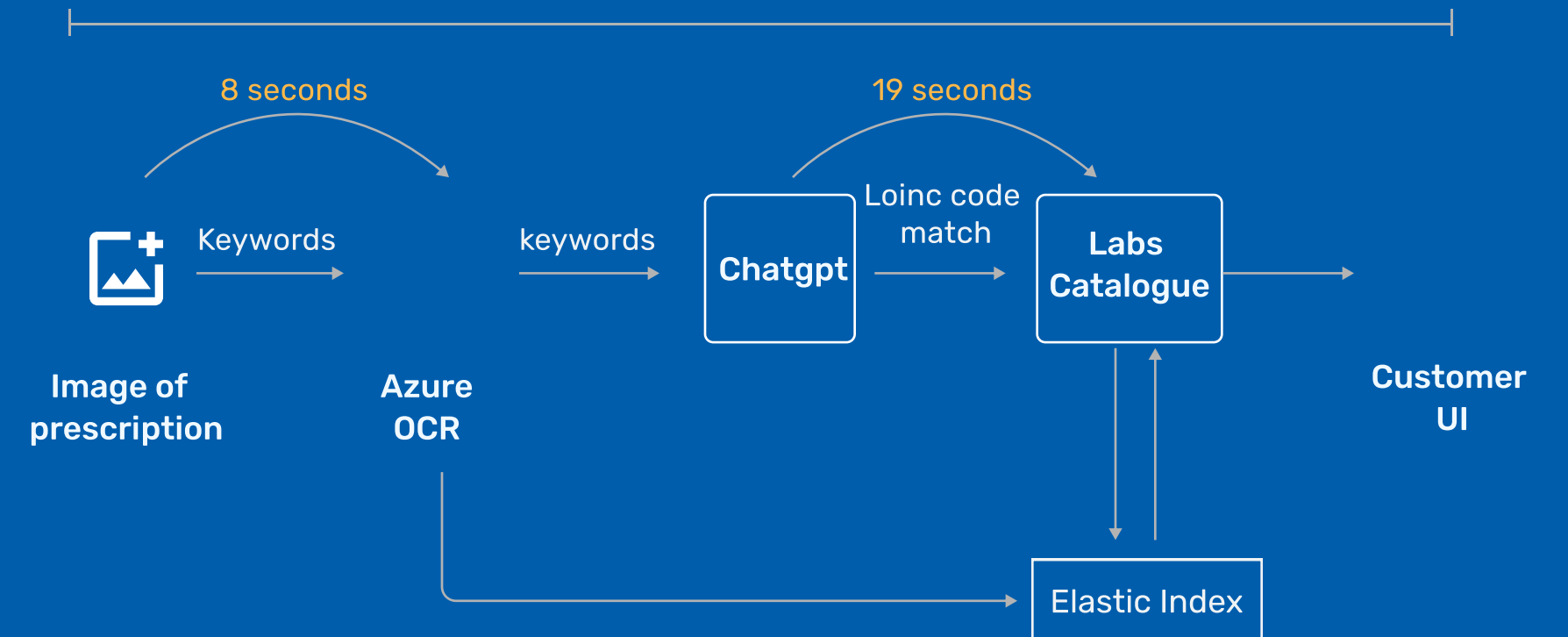
The product and technology team has trained an OCR run model to scan a prescription and fetch the tests accurately for the user.



## User experience goal

- Completion of journey without drop-off
- Provide help and assistance wherever required
- Clear understanding of upcoming process
- Less cumbersome journey
- Low cognitive load through light weight design style

## Detailed OCR solution flow



# Personas

Customers with a doctor prescription and trying to book a lab test.

## Who are we designing it for ?



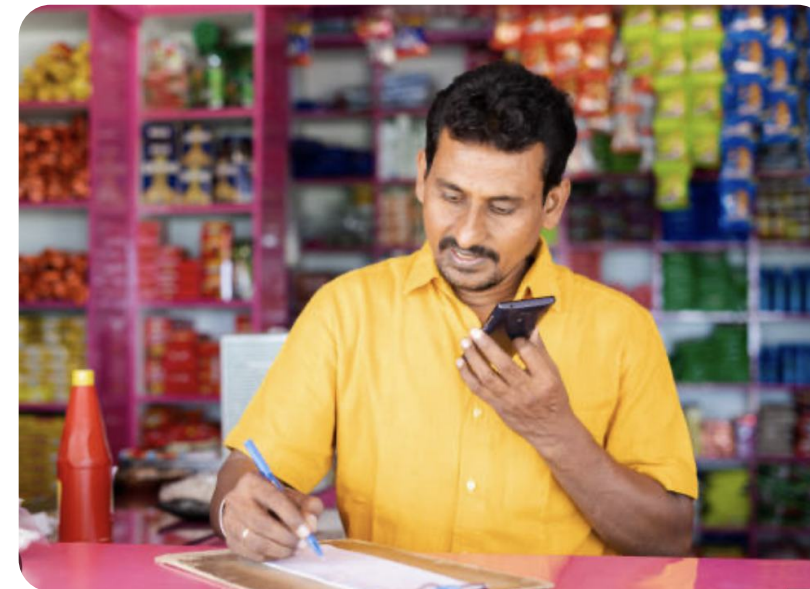
### Corporate employees

IC, Senior management & Executives



### Middle income salaried

Bank employee, Clerks , teacher, auto drivers, cab drivers



### Small business owner

Shop owner in II, III tier city



### Sales Agent

Insurance agents  
single focal for customers



# Let's take Hari's case

Hari is a middle income aged

Hari's daughter is going through high fever form last 2 days Hari brought him to a local General physician. he doctor prescribe 6 tests for Hari's daughter. Hari has a Family health care plan from his Employers. Hari's daughter is covered in the plan.

But before even he been able to book the tests, Hari couldn't understand the tests and did not have the time and patience to book the

## Hari's Pain points

### Low cognitive readiness:

It is difficult to read Doctor prescription & understand the tests

Time consuming to find & book 5-6 tests

Sick and weak to handle a digital journey & book multiple tests

Fear of booking the wrong tests

Hari may not understand english

It may take upto 30 minutes to receive a call for booking assistance from Bajaj Health

## How might we help Hari

Smooth self booking experience

Reducing the pain of searching each test amidst a list of many

Removing the need for manual search & finding of test

Customer's flexibility to fall back to assistance mode whenever feel hectic within the journey

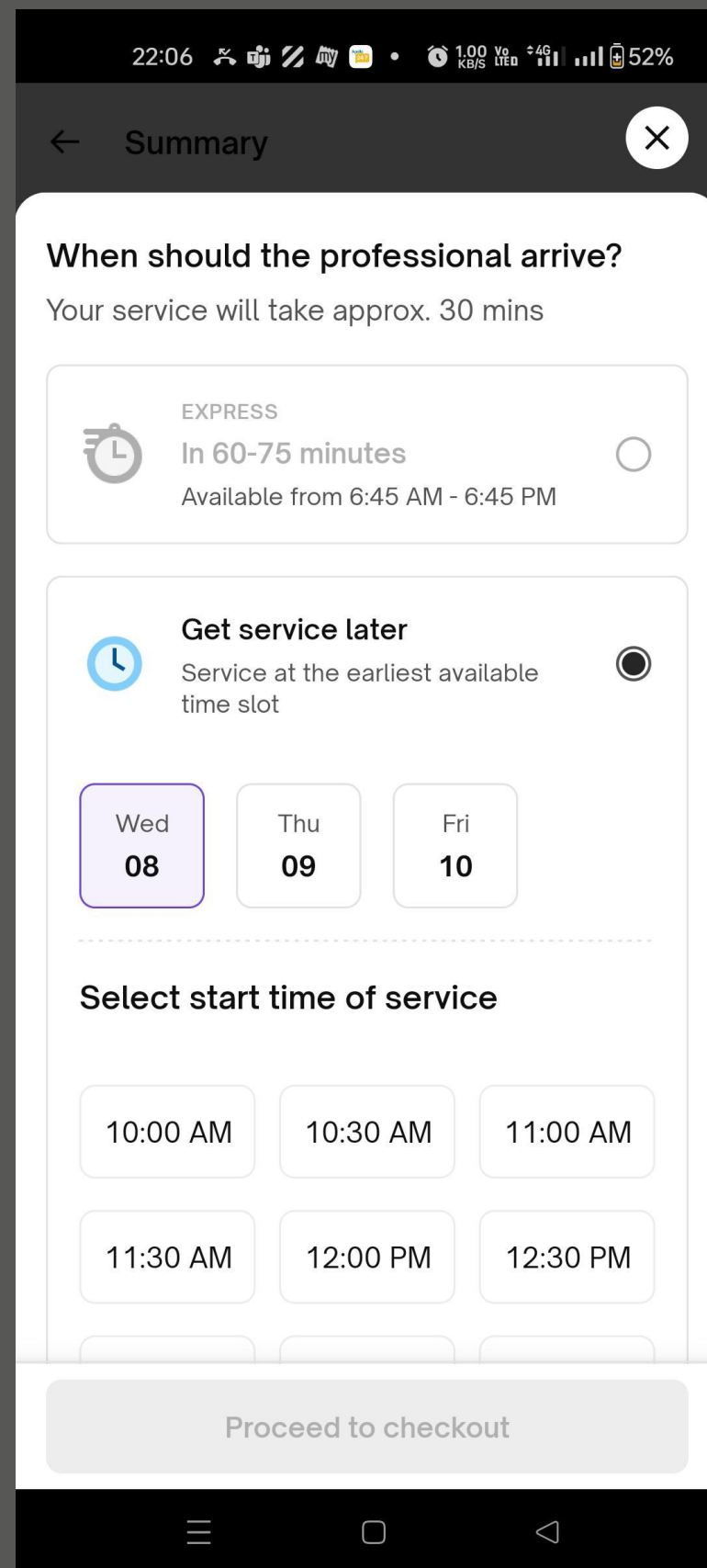
Fear of booking the wrong tests

Hari may not understand english

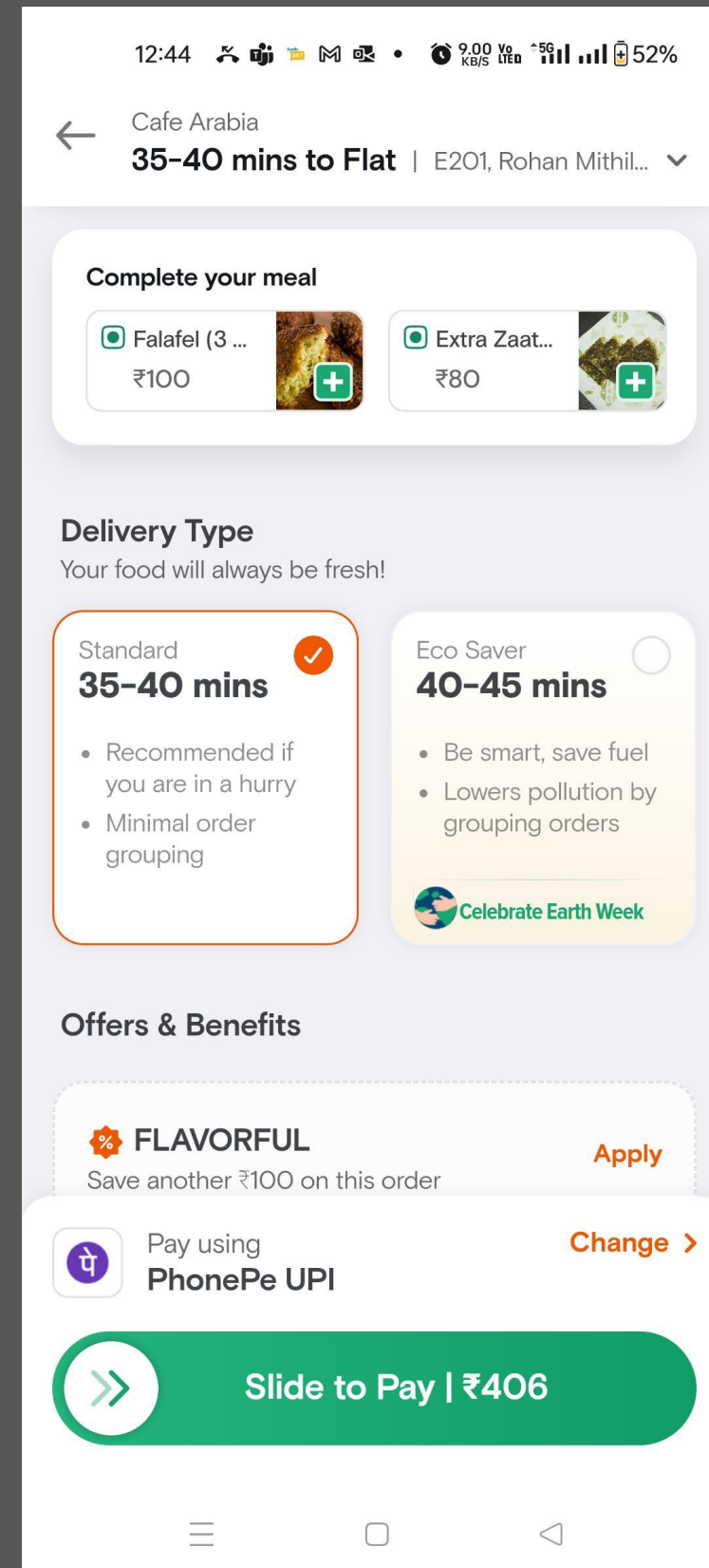


# Bench Marks

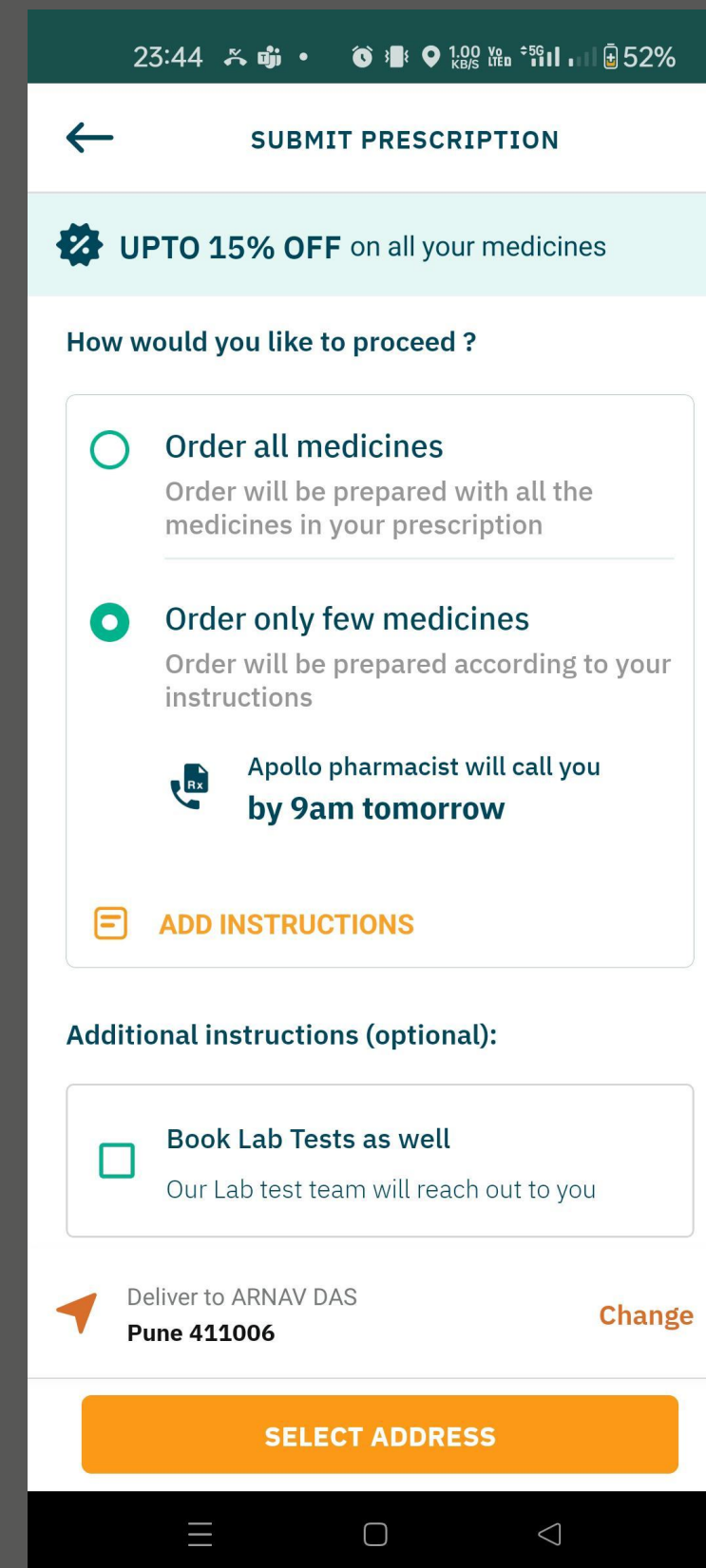
Urban Company



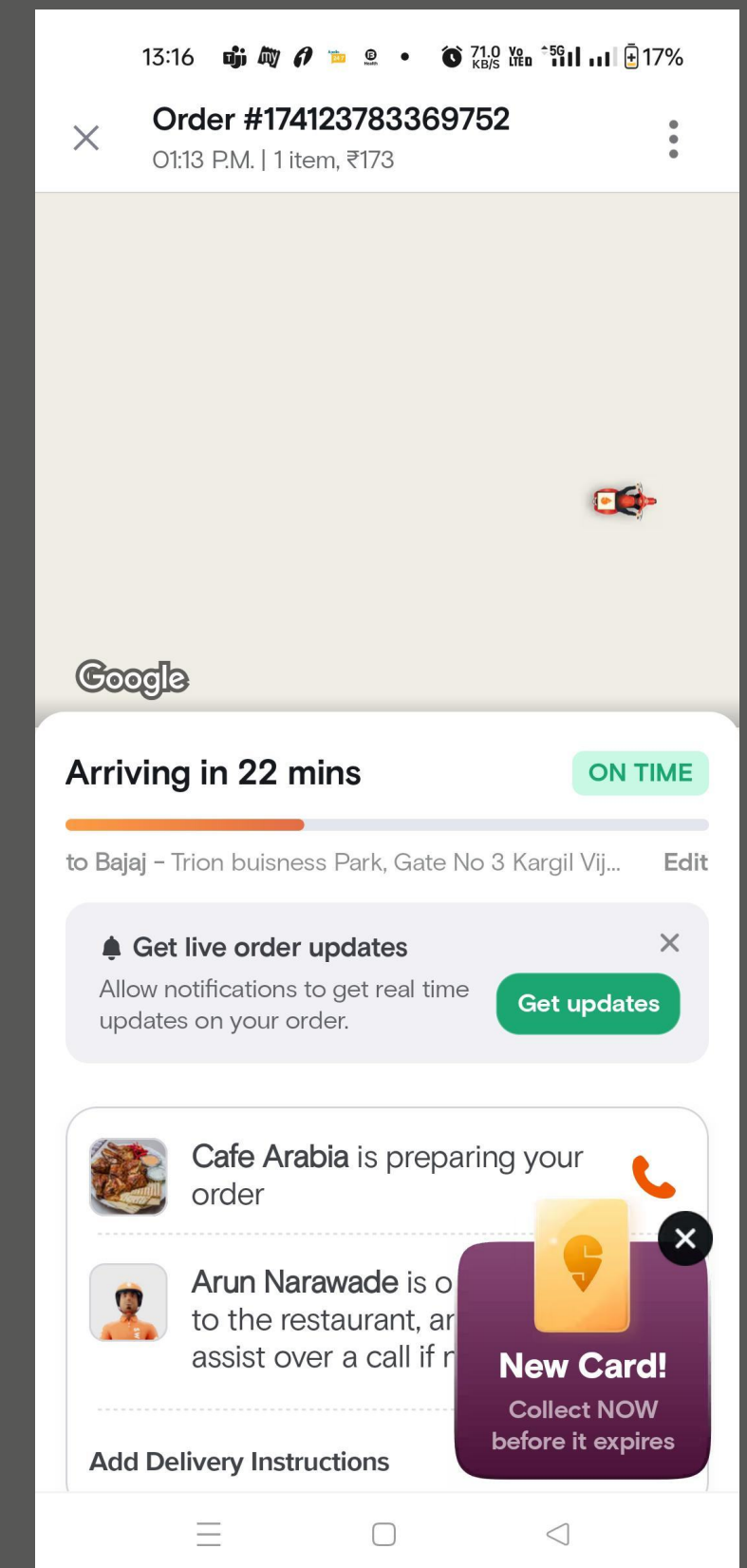
Swiggy



Apollo pharmacy



Swiggy



# Design principles

**Data driven**

**Proactive**

**Smart**

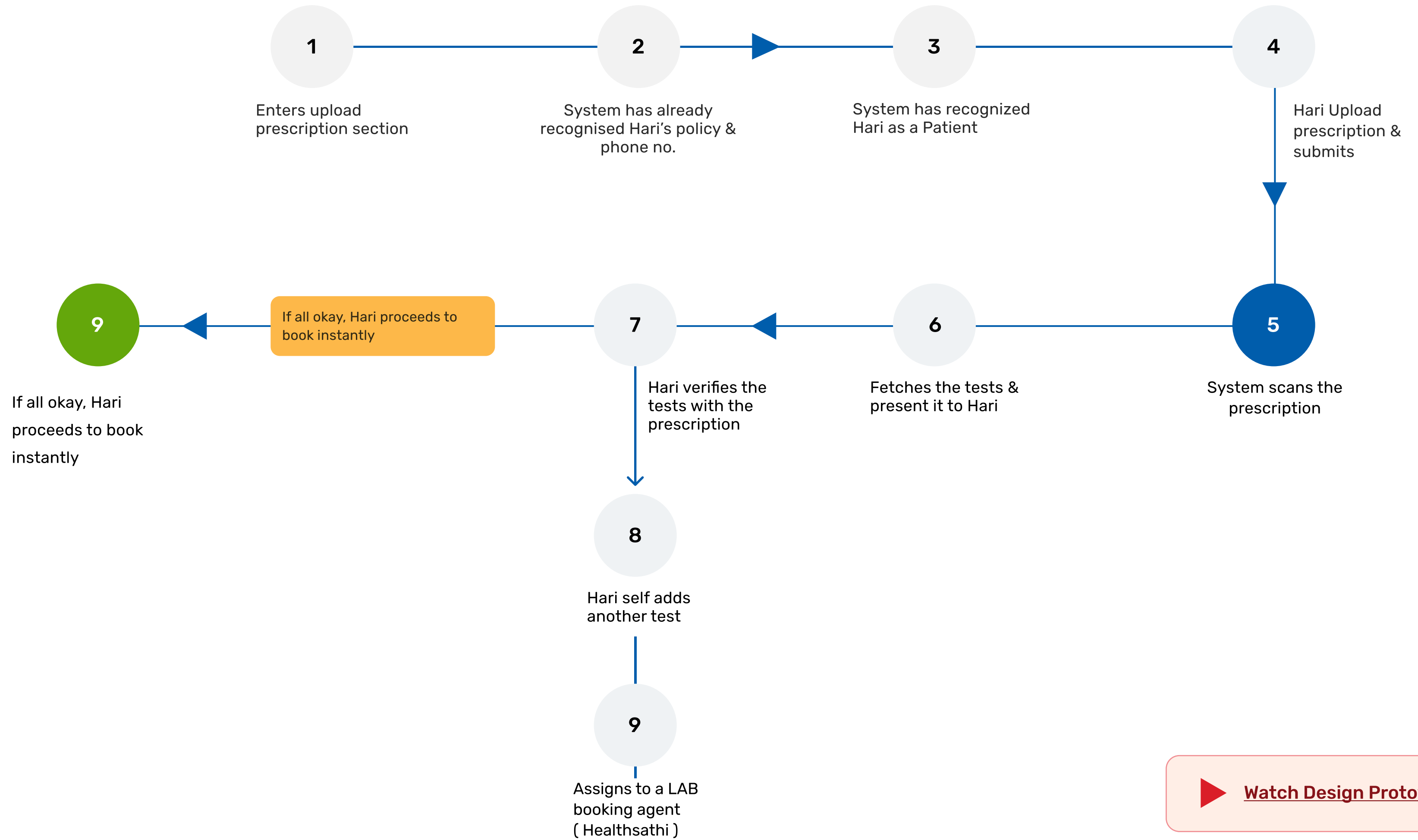
**Guided**

**resilient**

**Intuitive**

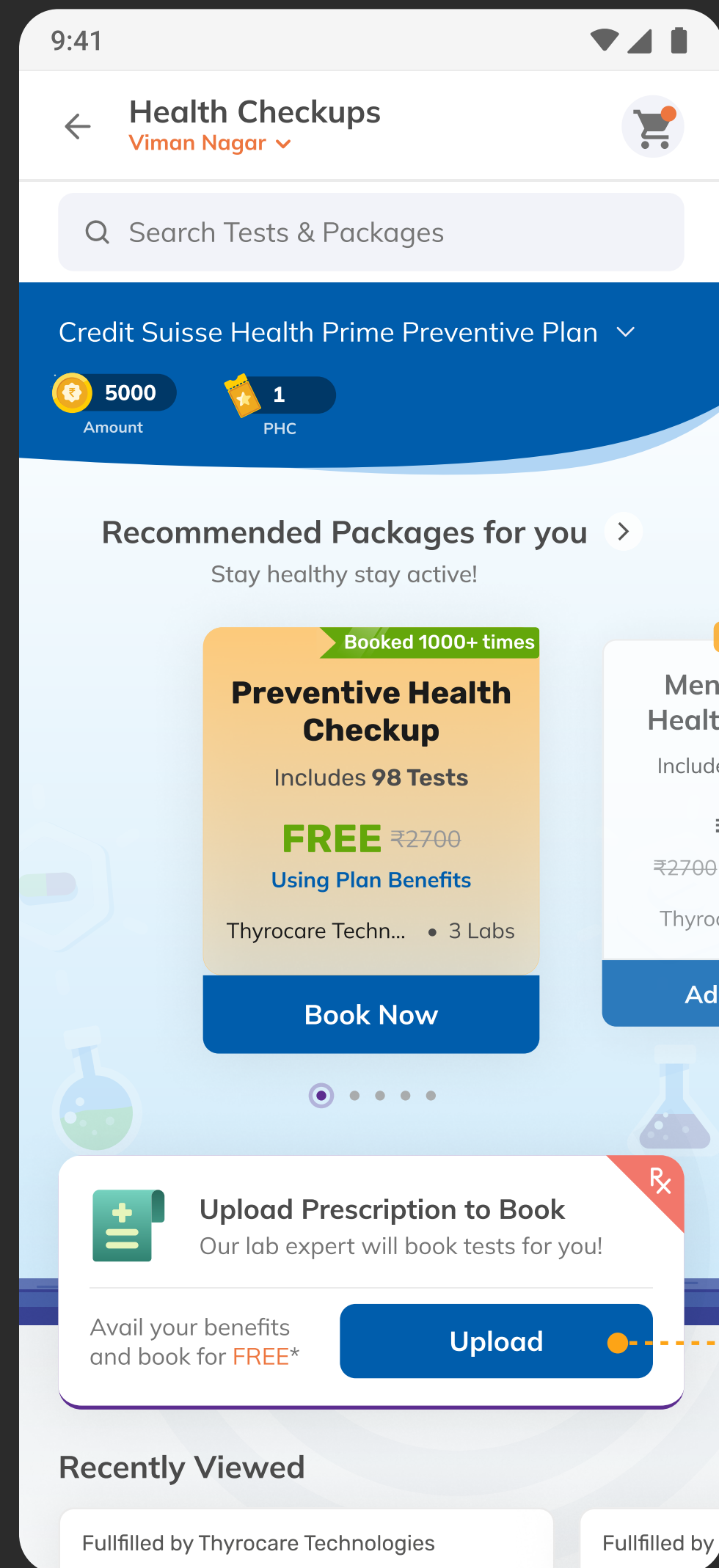


# Proposed design flow



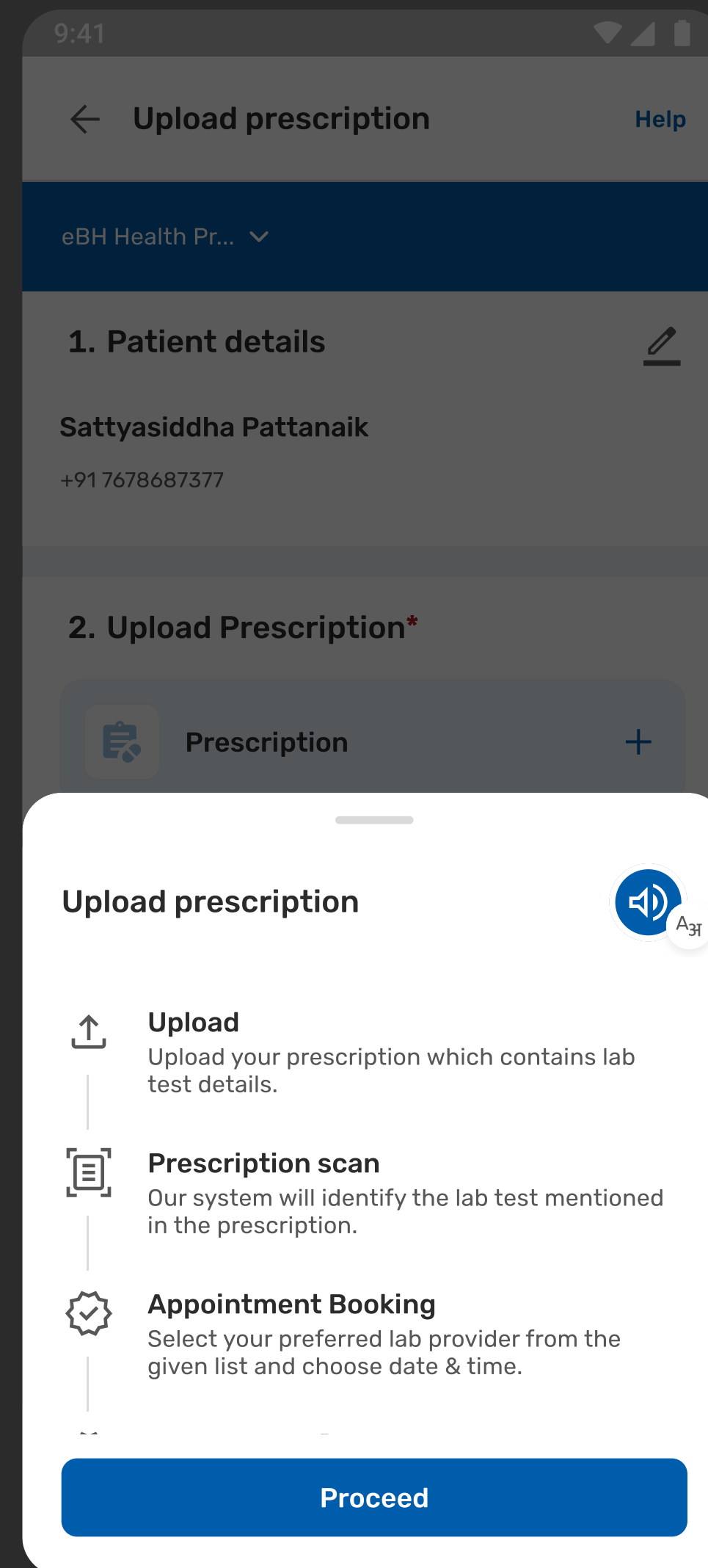
# Design flow

1. Upload prescription



Upload prescription from here

2. Before the process begins, Step by step guide for user to be aware of what will happen next

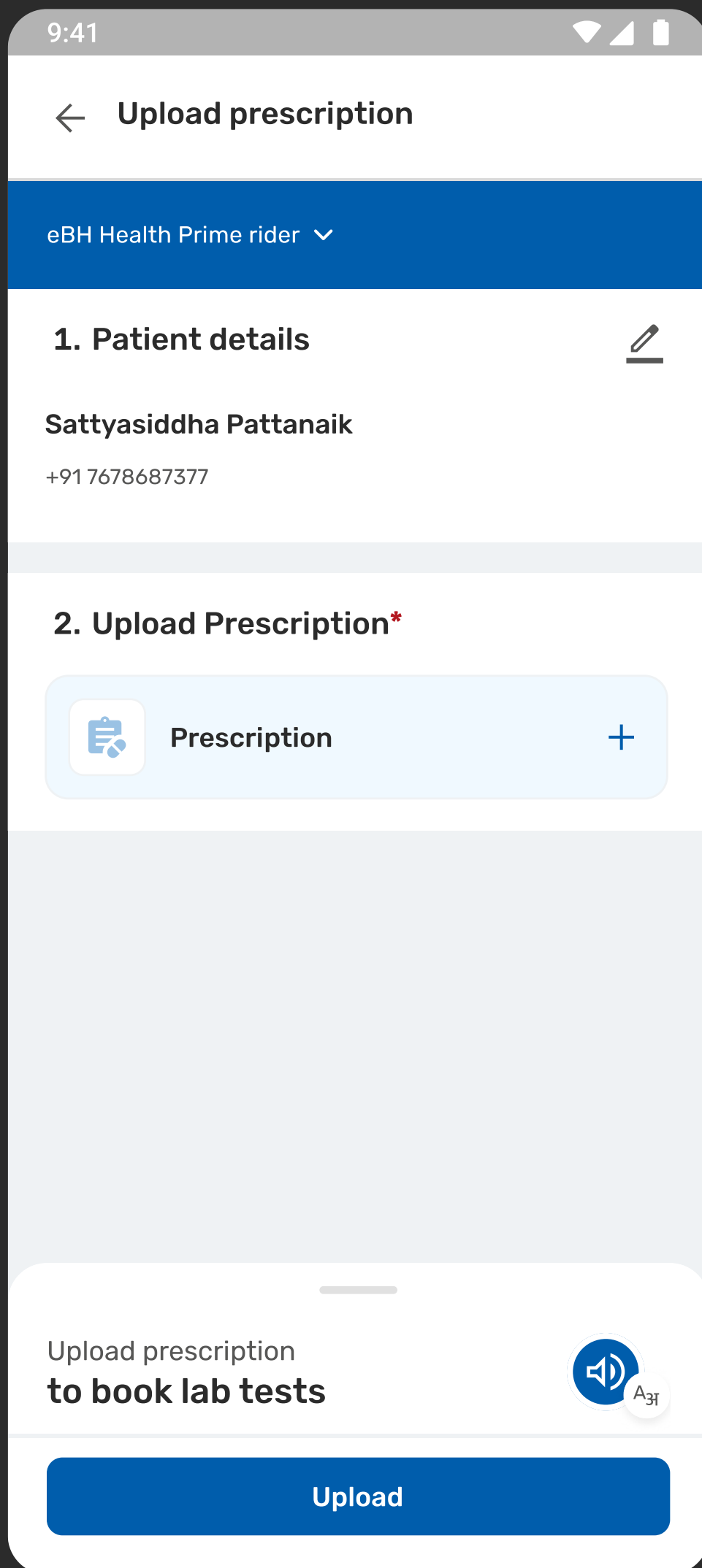


Vernacular language

For our users who have difficulty in reading english, can hear the steps to take in Hindi or Vernacular language

Next Step

### 3. Landing page



-----> Policy details flap

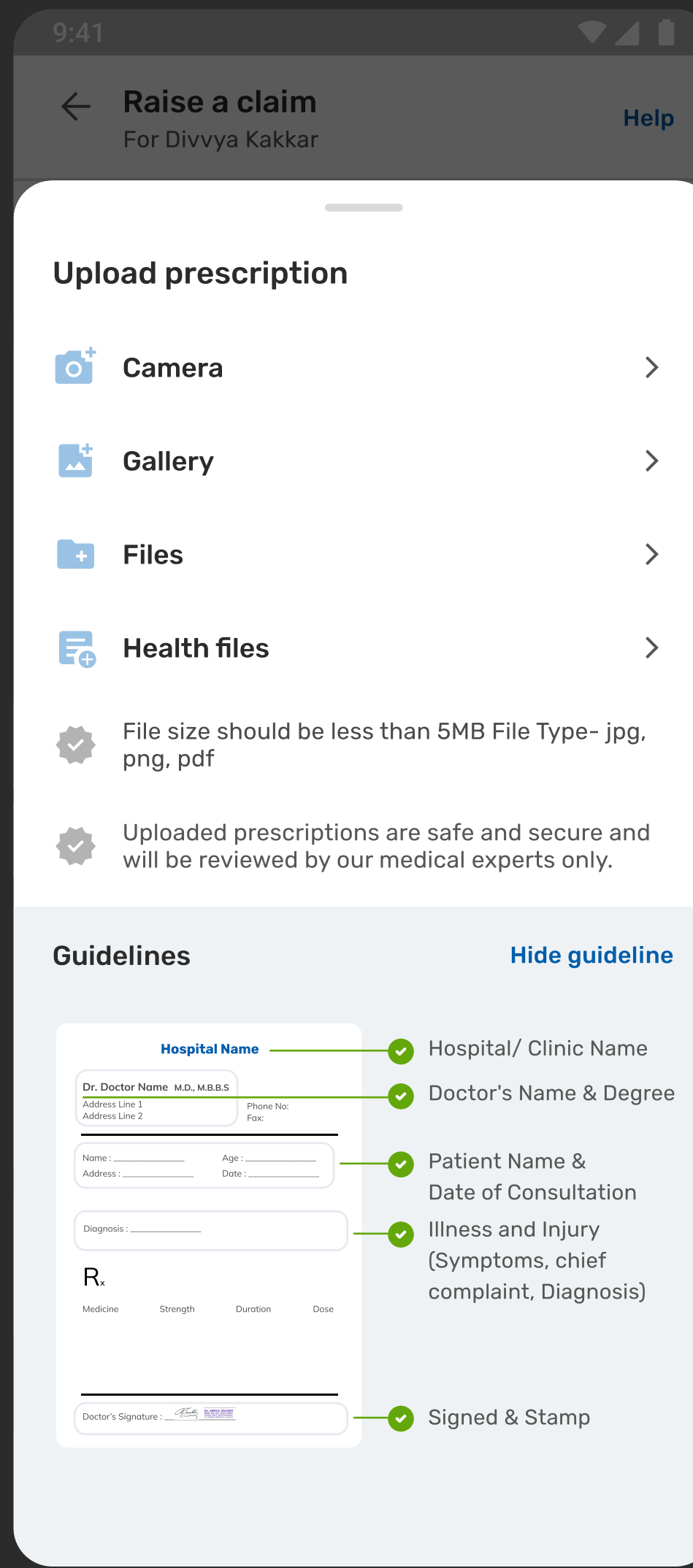
-----> Change patient details

-----> Upload prescription from here

-----> Information flap

-----> Upload prescription from here

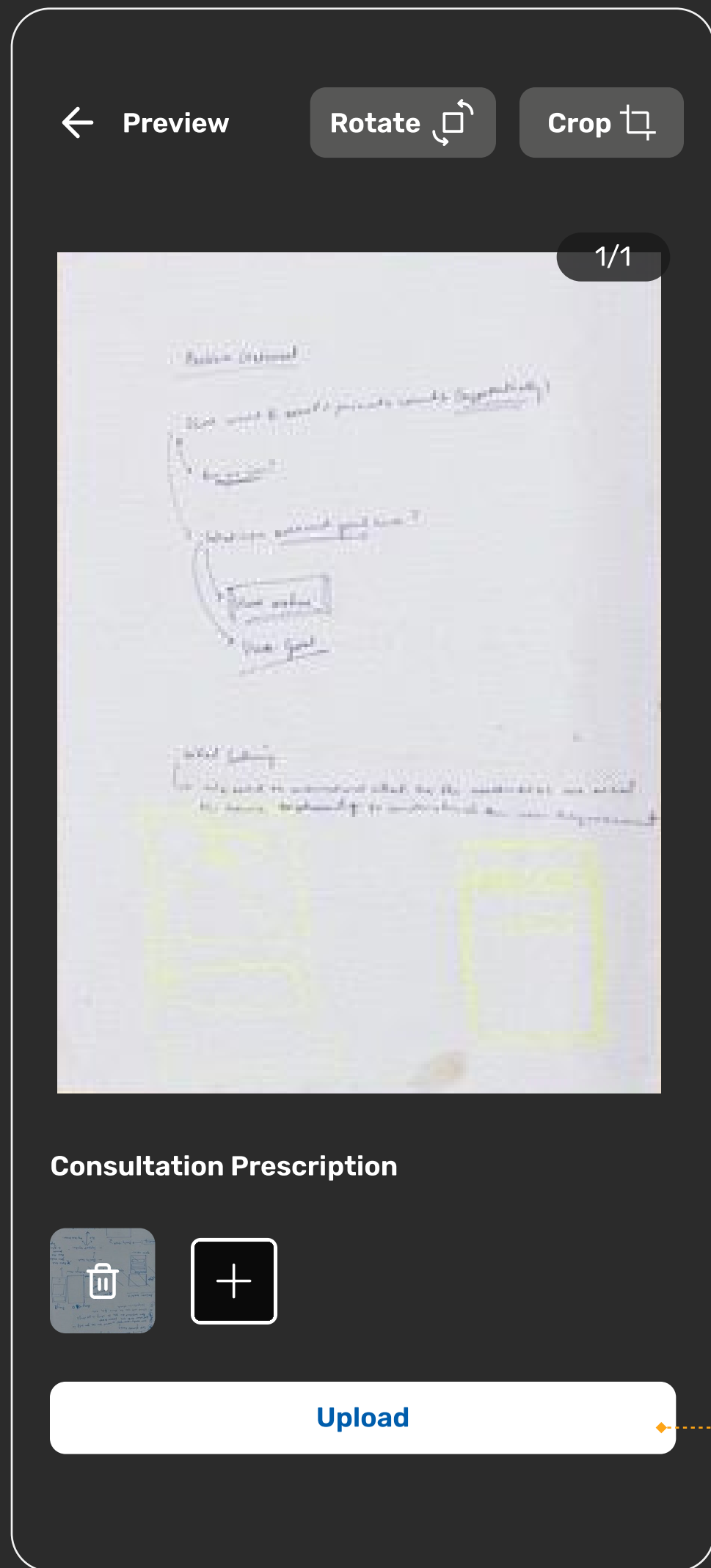
### 4. Upload document bottom sheet



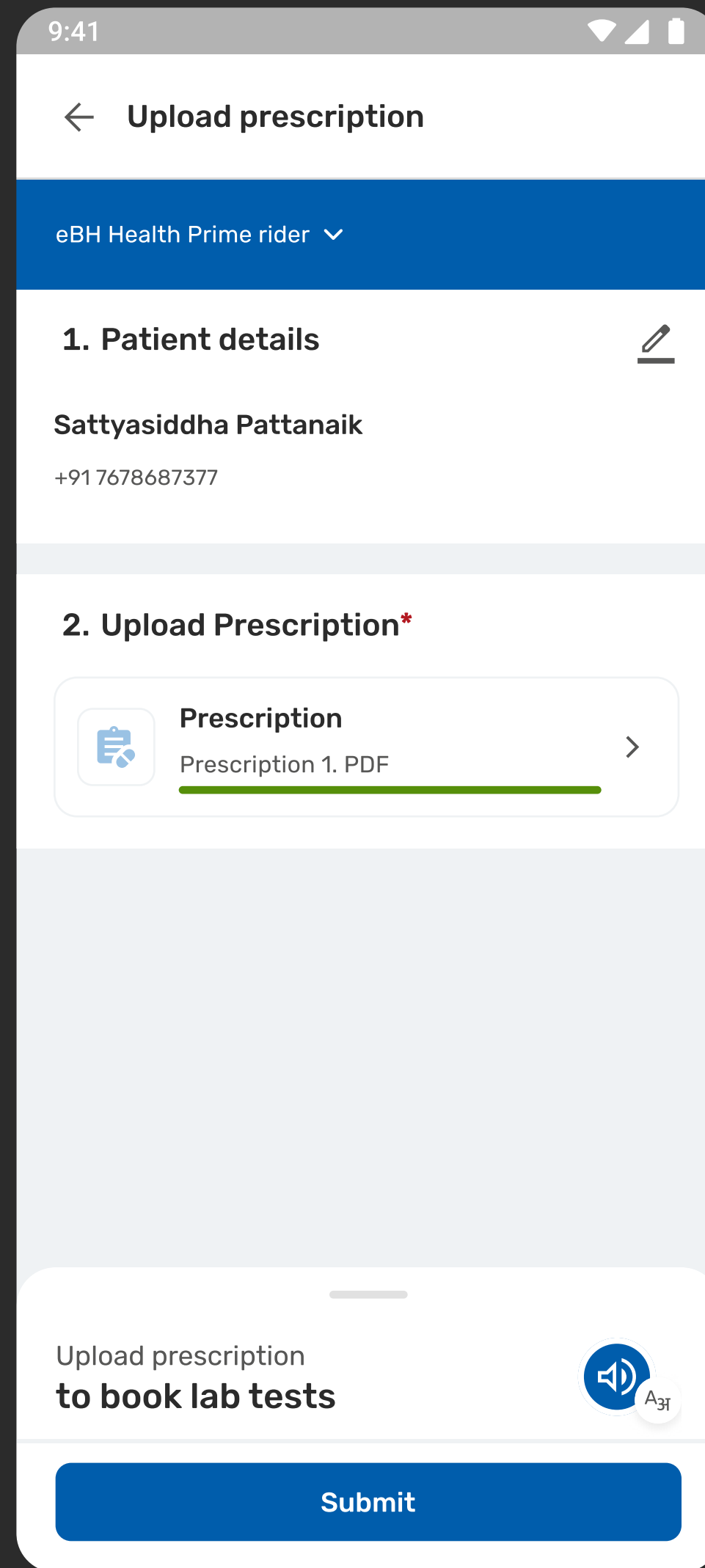
-----> Provision for upload prescription from our in-App Health vault

-----> Guidelines for the document for acceptance

4. Once the prescription picture is clicked, It is uploaded on platform for editing & submission



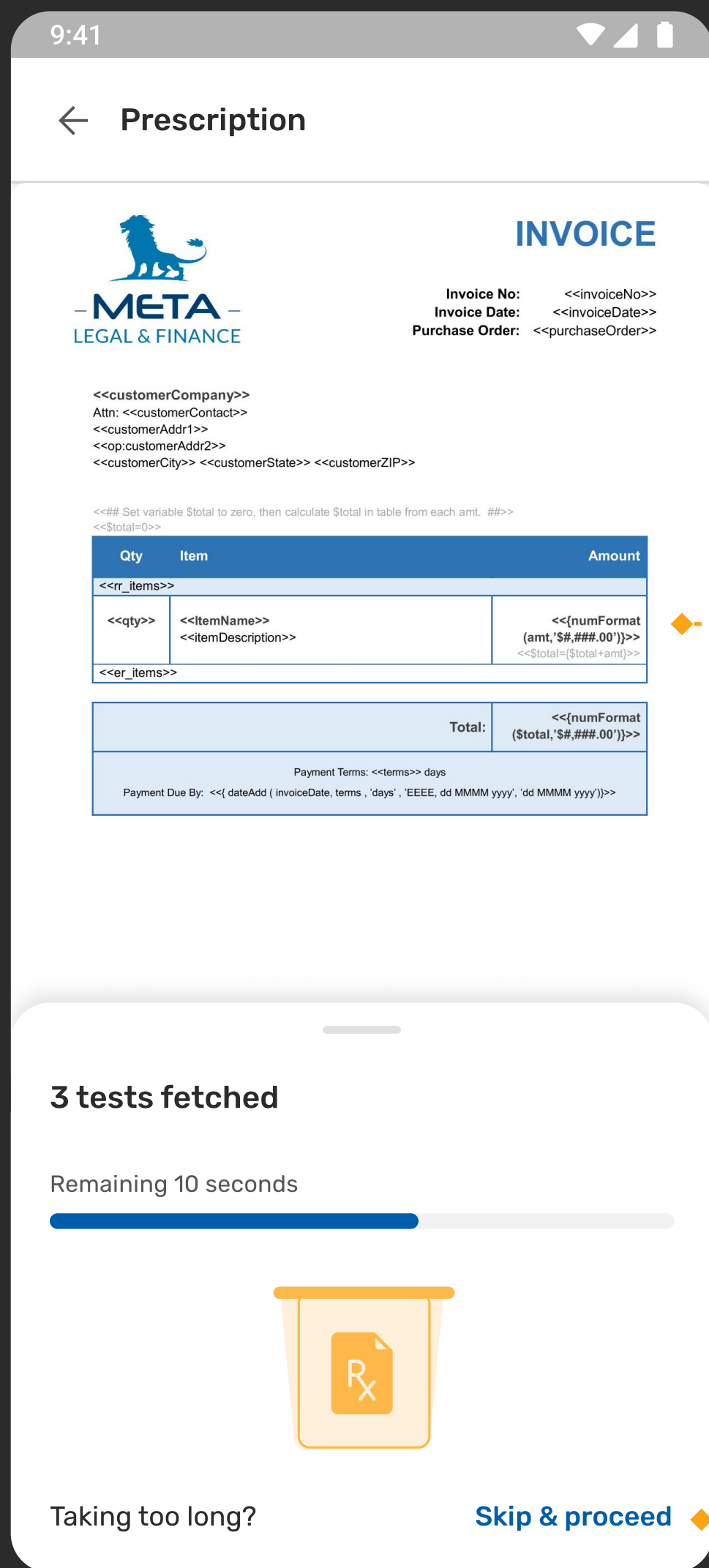
5. Prescription uploading



Click

Submit the uploaded prescription for OCR Scan

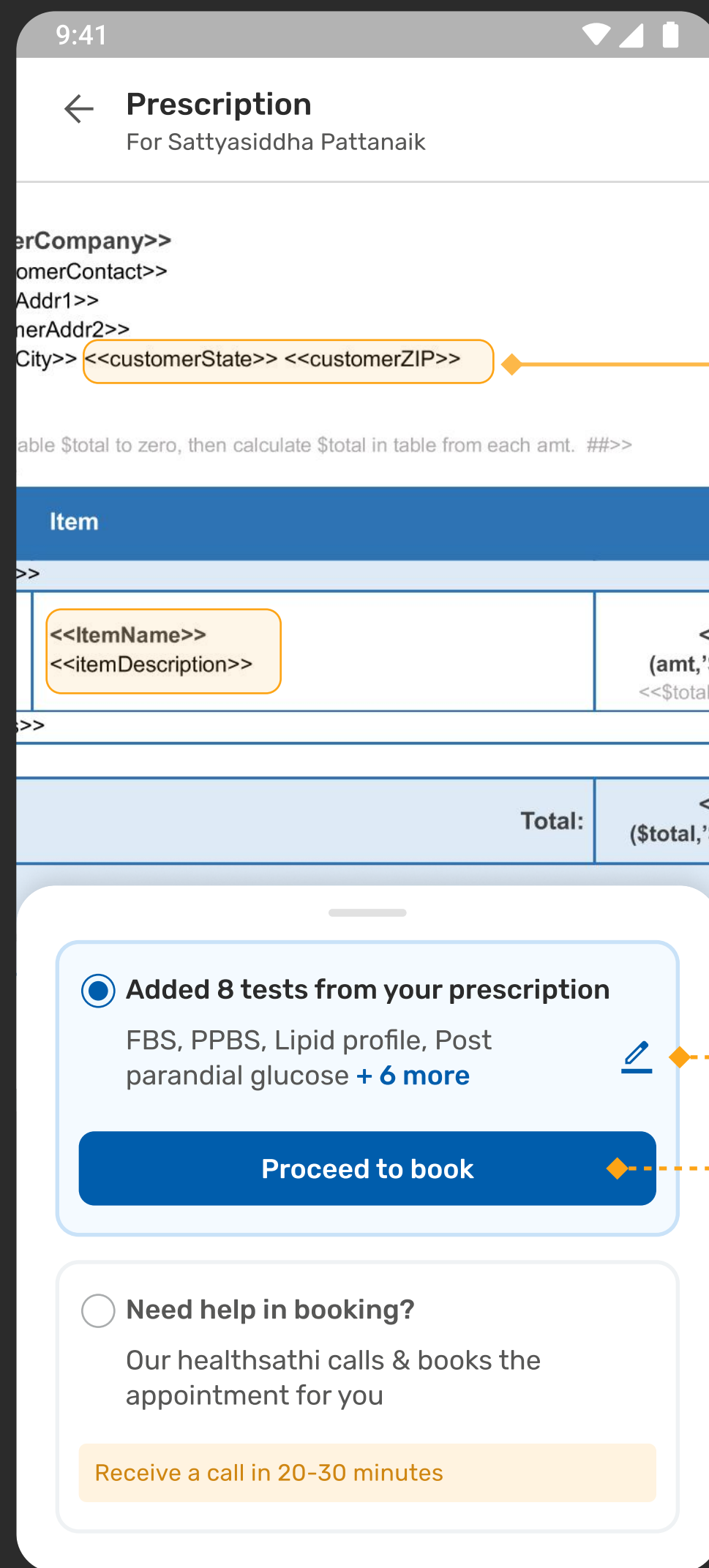
6. OCR Scanning



Prescription in the background for relativity

**Skip & proceed**  
It may take upto 26secs max due to API response for the scan to complete. Skip and proceed let users assign the entire case to Lab assistant

7. Fetched tests from prescription



**Highlighted**  
Once the scan is complete, Identified tests are received  
Users can proceed to book them

**Edit**  
Edit will take users to test lists where users can add new tests from self search & remove tests aswell

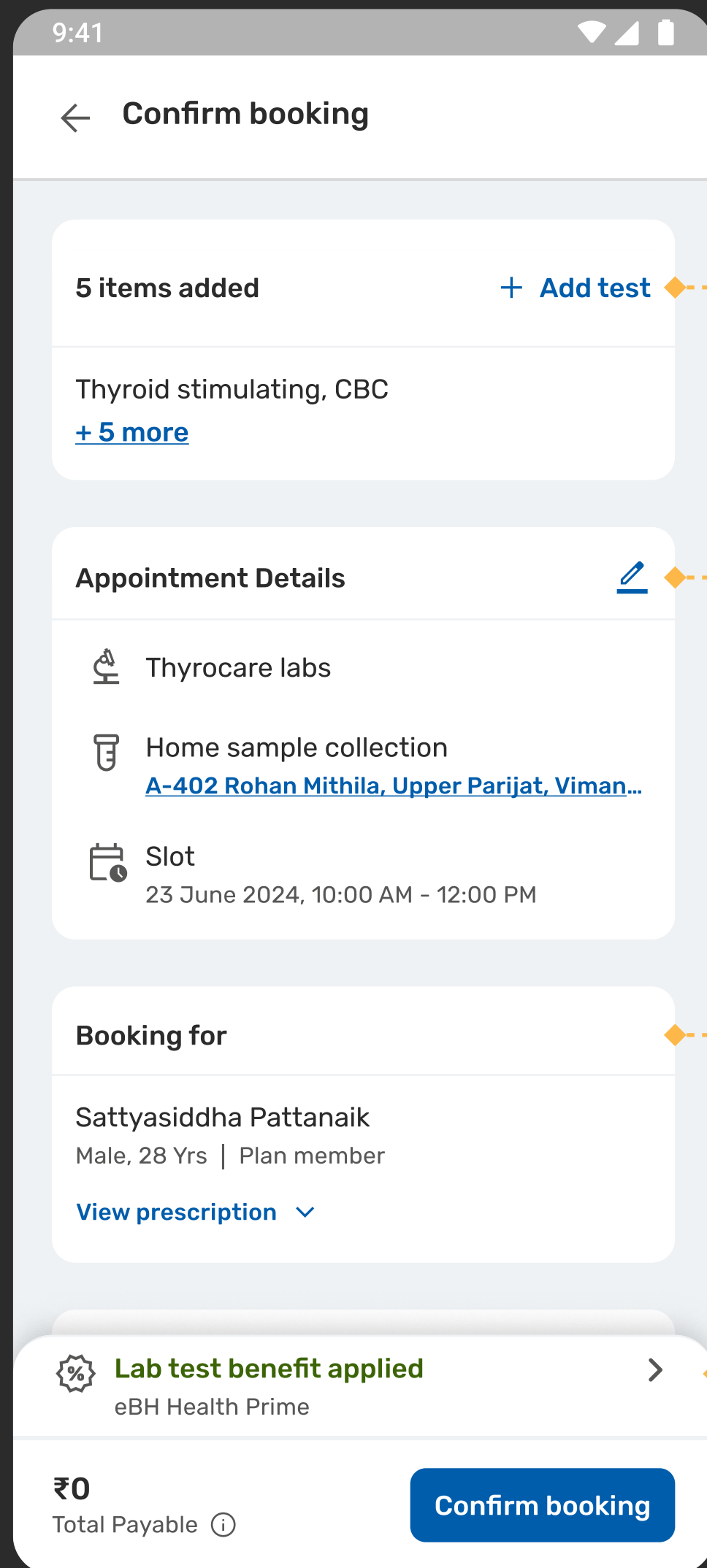
**Proceed to book**  
Once the scan is complete, Identified tests are received  
Users can proceed to book them







## 9. Cart Page



[+ Add test](#)

### Added Tests

Once the scan is complete, Identified tests are received  
Users can proceed to book them

### Edit

Edit will take users to test lists where users can add new tests from self search & remove tests aswell

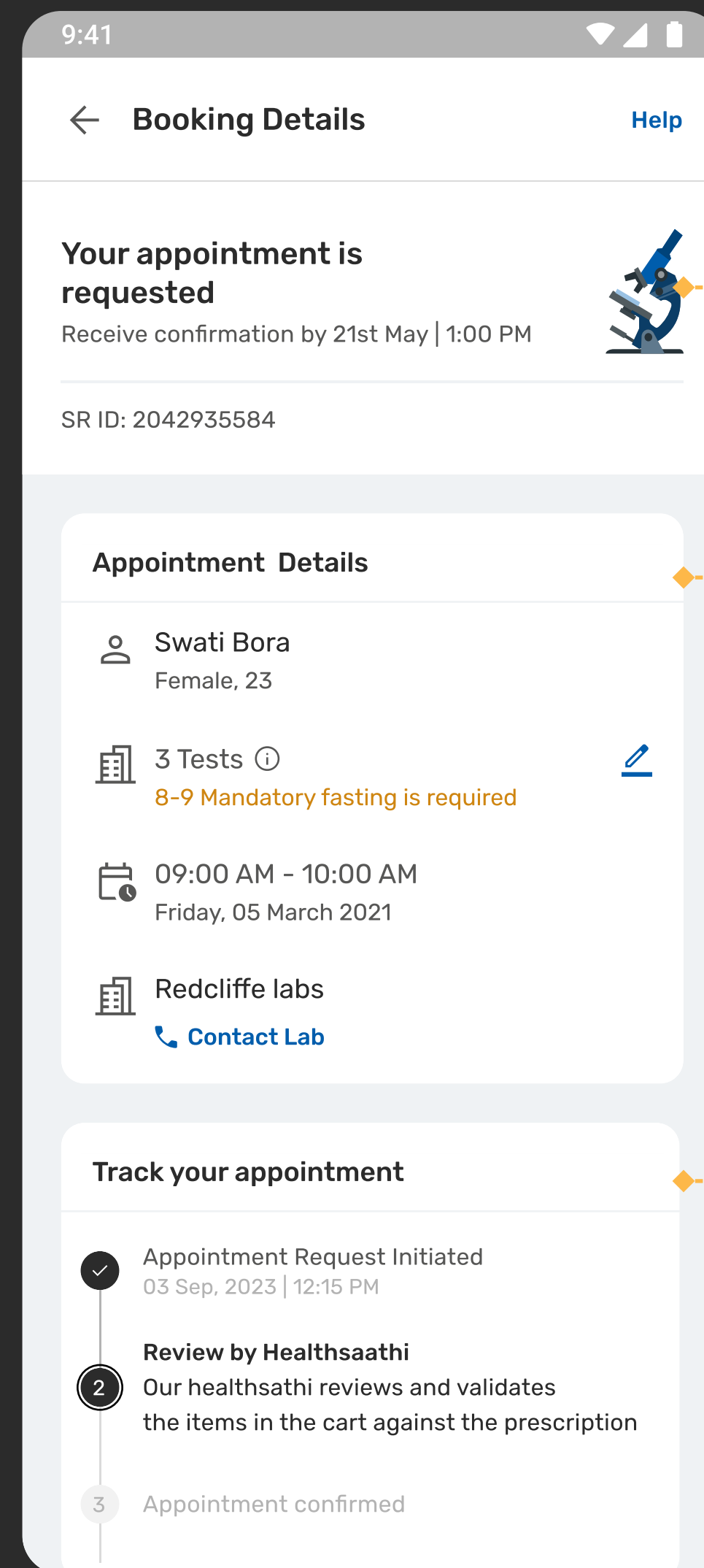
### Proceed to book

Once the scan is complete, Identified tests are received  
Users can proceed to book them

### Proceed to book

Once the scan is complete, Identified tests are received  
Users can proceed to book them

## 10. Post booking details



### Active Status section

### Edit

Edit will take users to test lists where users can add new tests from self search & remove tests aswell

### Process Stepper

Once the scan is complete, Identified tests are received  
Users can proceed to book them

## 10. Post booking Details

9:41

← Appointment Details Help

**Your appointment is confirmed** ✓

Lab technician will be assigned by Wed, 23 May 2023 at 1:00 PM

Booking ID : 20424935584 HOME COLLECTION

**Appointment details** Modify

**Prerna Bajaj** + [2 More](#)  
Female, 23 | Plan Member

**HbA1c** + [3 Tests](#)  
8-12 hours of mandatory fasting is required

**Home collection**  
142, B-22, Chandivali, Powai, Mumbai 40076

**Redcliff labs**  
Viman Nagar, Pune

**09:00 AM - 10:00 AM**  
Friday, 05 March 2021

[Reschedule Booking](#)

**Track appointment**

Friday, 05 March 2021

[Reschedule Booking](#)

**Track appointment**

1 Appointment confirmed  
03 Sep, 2023 | 12:15 PM

2 Lab Technician assigned  
To be assigned on 23 May, 2023 | 1:00 PM

3 Sample collected

4 Report generated

**Payment details** Download

Lab Tests	₹900
Sample Collection Charge	₹900 ₹0
<b>eBH Health Prime</b>	<b>-₹900</b>
<b>Total paid</b>	<b>₹0</b>

**Customer Support**

**Anirudh Prasad**  
Find Immediate assistance in your lab journey

**eBH Health Prime** -₹900

**Total paid** ₹0

**Customer Support**

**Anirudh Prasad**  
Find Immediate assistance in your lab journey

[Call Agent](#) [Chat with Agent](#)

**Cancel appointment**

Cancellations are allowed only up to 2 hours before the scheduled slot time.

[Cancel Booking](#)

## Constraints in the Project:

1. UI header cannot be used for information display, due to mweb experience
2. OCR model accuracy
3. Confidence build in customer on the OCR fetched tests
4. How will customers know the prescription and the fetched tests are a right match ?
5. Ability to build interpretation and confidence buildup feature for the fetched tests

## Project Status :

1. Beta Version Live
2. Usability tested with Internal users done
3. Enhancements sprints

[▶ Watch Design Prototype](#)

## Detailed OCR solution flow

