IMAGINE IOT
PROTOYPE CHALLENGE
Story

doctor works in a hospital and visits several patients every day at their home.

Some patients cannot move to see the doctor in the hospital (elderly person or person with reduced mobility), so a doctor goes and visit, on a daily base, patient who needs a special medical supervision.

This doctor spends most of its time in his car and wants to find a better way to monitor the health of his patients.

Mr John lives far from the hospital and cannot came to check their health. He need a daily surveillance of his heart.

Doctor Lennox came every day to see him. If everything is ok, she writes down his heart beat and blood pressure and go back to the hospital to fill the patient file.
Dr Lennox
Medical doctor
« I’m concern about the health of my patients »

About

• 37 years, almost 15 years as a medical doctor
• Very mobile, I can drive all day to check my patient

Responsibilities

• I have to take care of several patient that lives far from the hospital and cannot move

Needs

• I need to see my patient regularly and examine them
• I need to be sure they take their medication

Main Goals

• Being a “good” doctor, someone my patient can trust
• Knowing if my patient are ok at every time
• And react quickly if they don’t

Pain Points

• Can’t be sure my patient are still ok the minute I quit their home
• The journey are long and exhausting

Point of View

As an medical doctor
I need a way to regularly check my patient health
so that I can react quickly if they feel bad
This is a typical day for doctor Lennox

<table>
<thead>
<tr>
<th>ACTIONS</th>
<th>Go to the hospital</th>
<th>Check the patient to see today</th>
<th>Take the car and drive</th>
<th>Check the patient at their home</th>
<th>Take the car and drive</th>
<th>Go back to the hospital and fill the files</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINDSET</td>
<td>So, what’s up today!</td>
<td>This road is so long...</td>
<td>I’m so glad to take care of people</td>
<td>It’s even longer in the other direction...</td>
<td>Papers, papers, papers...</td>
<td></td>
</tr>
<tr>
<td>FEELING</td>
<td>😊</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOUCH POINTS</td>
<td>Patient files</td>
<td>Medical constants</td>
<td>Patient files</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Here is a way to help doctor Lennox:

With a connected watch, Mr. John can be monitored at anytime. He can also have some information about the meds he's supposed to take.

Doctor Lennox can have all the information directly at her desk. She doesn't need to check patient every day.

When Doctor Lennox came to check Mr. John health, she had all the information from the patient file with her.
Prototype:

Patient File

Name: Mr John

Information about patient:
Heart Problem
Need daily surveillance

Heart beat: OK
Blood Pressure: OK

Dr Lennox can have access to the patient file at anytime

Heartbeat

1 hour 1 day 1 week

Send message to Mr John

Hello Mr John,
I will be at your home at 3pm
Dr Lennox

Send message

She can send information to the patient

New message from Dr Lennox
If a problem occurs (fall, sudden modification of medical constants, ...), Dr Lennox receive an alert on her phone.

Dr Lennox can check medical constants to understand what's happen.

Emergency services are alerted.