IMAGINE IOT
PROTOTYPE CHALLENGE

AUTOMATED HEALTH CARE
Health care for people who need assistant ties resources and in many case lead to the situation where person will be taken out from home and will be put to a service facility. Move will lower person’s quality of life and will be more expensive to the society. The longer person can live at home the better.

Challenge with people who need assistant is how to keep them safe when being alone at home.

As a solution, I would like to provide a wristband as set of IoT sensors connected with AutoCareApp. Same solution can be used in where ever there is a need for automated alerts based on blood pressure, blood sugar, heart rate, temperature, location etc.
Persona

Explain the needs, goals, and pain points addressed

Saara

Nurse

I like to be alerted automatically if my patient needs help.

About

• 40 years old, 20 years’ experience of nurse
• Being a person who have 10 patients with whom I need to visit 3-5 times per week at their homes
• Very mobile moving from patient to patient during the day
• Working with doctors, patients and their relatives

Responsibilities

• I am responsible to take blood pressure on each visit
• I am responsible to deliver medicines and control that those are taken
• I am responsible of recommending doctor appointments
• I am responsible of overall wellbeing of the patient

Main Goals

• Being able to help in emergency situations
• Be more effective on nurse activities
• Get alerts when needed
• Increase wellbeing and quality of life
• Save costs

Needs

• I always need to measure the blood pressure
• I always need to measure the temperature
• I need to be alerted if help is needed
• I need to monitor my patients

Pain Points

• I make a lot of unnecessary visits
• I’m not aware of incidents happened
• I do not have time enough to do my tasks
• I do not have visibility to patients
Point of View

As a nurse

I need a way to monitor my patients, be alerted if needed and do my visits and tasks

so, that patients feel being safe while living at their homes.
# UX Journey

Describe Actions, Mindset, Feelings and Touchpoints

<table>
<thead>
<tr>
<th>ACTIONS</th>
<th>Make a visit plan for the day</th>
<th>Drive to patient’s home</th>
<th>Take blood pressure, temperature and other tests</th>
<th>Have a small talk</th>
<th>Drive to next patient</th>
<th>Write my daily report</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINDSET</td>
<td>Which priority order I should take</td>
<td>Is this route fastest. Hope nothing serious has happened</td>
<td>Routing tasks are boring</td>
<td>What should I talk</td>
<td>Who is next?</td>
<td>Time consuming</td>
</tr>
<tr>
<td>FEELING</td>
<td>🙆</td>
<td>🙆</td>
<td>🙆</td>
<td>🙆</td>
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<td>🙆</td>
</tr>
<tr>
<td>TOUCH POINTS</td>
<td>Visit plan of the day</td>
<td>Car Map Rush</td>
<td>Patient Equipment’s</td>
<td>Patient</td>
<td>Car Map Rush</td>
<td>Office</td>
</tr>
</tbody>
</table>

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Prototype

Prototype screens for an IoT application to solve your PoV

MyPatients list is containing a list of Saara’s patients she is responsible. Order is optimized automatically based on the route and criticality calculated by app. Score is calculated on-line based on sensor measurements from IoT band patients are wearing. App is using location of Saara’s device and patients. When arriving to the patient, app will activate respective patient automatically.

Details screen

Info screen will show current measurements coming from IoT band.

By pressing record button, Saara is able to dictate her report. Recording will be translated to text by using voice recognition methods. Recording will be confirmed by OK button.
Charts screen will show a trend of measurements.

History sheet will show all detail reports made.

Mockup: https://standard.build.me/api/projects/996c4993a51b92a40cd2071e/prototype/snapshot/latest/index.html#/1461232176312_S0