IMAGINE IOT
PROTOTYPE CHALLENGE
Summery

A person with Alzheimer’s disease wears a socklike sensor at the forearm or waist and sends his/her physical data to the person who is taking care of him/her. The measuring tool helps to assess the situation and alerts in case of need.

Storyline

A person from an ambulant nursing service, from a welfare center or a relative is interested in the current physical data/condition of a person with Alzheimer’s disease, like body temperature, heart rate, body position (upright/lying), state of consciousness (awake/asleep), dermal humidity, blood sugar level and the GPS position. A measuring tool analyses this data and alerts if the threshold values are overrun.

An example I experienced: A sufferer was confused and disoriented at night, left the haven of home, wandered around, tumbled, fell and became hypothermic. Then this person wasn’t even able to alert somebody to get help. I found this person just by chance and helped.
Pia Schmidt
Suffers from Alzheimer’s disease

I want to be sure that somebody is alerted when I am in bad physical condition and need help.

About
• 78 years old
• Widow
• Not physically handicapped
• Has her apartment in the house of her daughter

Responsibilities
• To stay in good physical conditions

Needs
• Continuance
• Assurance

Main Goals
• Want to live autonomous as good as possible
• Want to stay in her cosy little home
• Want to live with the family of her daughter

Pain Points
• Forgets to drink enough water
• Don’t want to live in a care retirement home
Persona 2

Tina Schmidt
Daughter of Pia and taking care of her mother

I want to be sure that my mom is feeling well.

About
- 53 years old
- married
- 2 children
- housewife

Responsibilities
- Household of her family
- Takes care of her mother

Main Goals
- Want to take care of her mother but also need some time for her family and the household.
- Don’t want to send her mother to a care retirement home

Needs
- Want to know her mother is ok
- Want to be alerted if her mother is not feeling well.

Pain Points
- Time pressure
- Could not be simultaneously at two different places.
Point of View

As a daughter, I need a way to be alerted when the physical condition of my mother is not ok so that I can sleep at night without doubts that my mother is feeling well.
# User Experience Journey – Going shopping

<table>
<thead>
<tr>
<th>ACTIONS</th>
<th>Leaving home</th>
<th>On the way to shop</th>
<th>Shopping</th>
<th>Waiting in queue / Paying</th>
<th>On the way home</th>
<th>Arriving home, check on mother</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINDSET</td>
<td>I wish I am already back.</td>
<td>Hope there is no traffic jam.</td>
<td>I hope I forgot nothing and do not need too much time.</td>
<td>Why does it take so long in this queue? Hope my mom is ok.</td>
<td>Just a few minutes and I am back home.</td>
<td>My mom is still ok.</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>Door</td>
<td>Car</td>
<td>Mobile phone</td>
<td>Mobile phone</td>
<td>Car</td>
<td>Apartment</td>
</tr>
</tbody>
</table>

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On Master Page 1 the current physical data/condition of a person is displayed. On Detail Page 1 a drill down to the detailed view/graph of the pulse rate is displayed. On Detail Page 2 a drill down to the detailed view/graph of the situation (upright/lying) of the person is displayed. On Detail Page 3 an alert is going off e.g.
- The pulse rate is very high and the situation of the person is lying.
- The GPS position is outside the defined areas
- ...