

# *IOT Prototype Challenge: INSULIN PUMP*

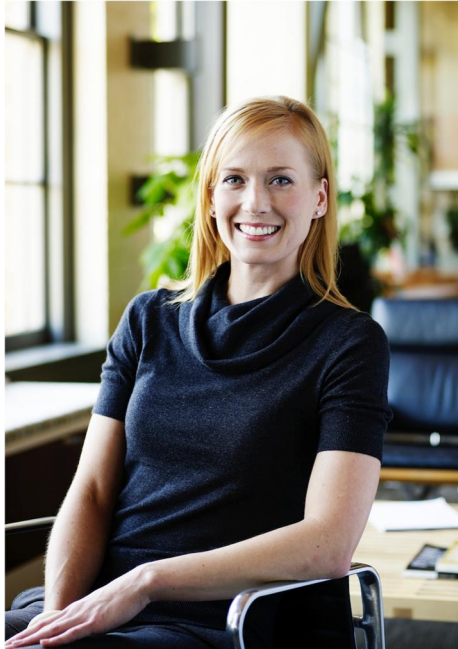
## Story

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Jennifer Steele is a type I diabetic patient who needs 4 shots of insulin per day and monitors the glucose level at least 3 or 4 times a day. She currently uses insulin injections and the blood glucometer to monitor her sugar levels. This is quite a hindrance to her current life style. She is in need of an equipment that can inject insulin automatically into her body depending on her glucose levels, monitor the glucose levels and request a new stock of insulin when the stock level drops below a threshold value.



# Persona



## JENNIFER

Diabetic with a busy lifestyle

"I would like the insulin intake process to be as transparent as possible."

### About

- 42, married, diabetic for past 30 years
- Works as a Sales Representative with need to travel frequently
- Needs to monitor glucose levels minimum 3 to 4 times a day
- Needs to take 4 insulin injections per day to maintain the glucose level

### Responsibilities

- I am responsible for working with customer to find what they want, create solutions and ensure smooth sales process
- I spend more than half of my time outside the office meeting with the customers
- I am responsible for taking care of the house and kids

### Main Goals

- Better management of the glucose levels
- Better process for insulin intake

### Needs

- I need to monitor the sugar levels so they do not go high or low and cause complications
- I need to take insulin shots so the glucose level is maintained in the body
- I need one system that can monitor glucose level as well as inject insulin

### Pain Points

- Need to find a private place to inject insulin.
- Need to prick a finger every time the glucose level needs to be taken
- Need to order insulin once the stock reaches below a certain threshold point





# Point of View (PoV)

## Point of View

As a diabetic patient  
I need a way to continuously monitor the  
glucose level in my body and intake insulin  
accordingly so that it does not go high or  
low and cause any complications

# UX Journey

ACTIONS	Get the lancet and lancing device Get the test strip Get the blood glucometer	Switch on the blood glucometer Wash and dry hands Using the lancing device and new lancet get drop of blood from the fingertip Apply blood drop to the test strip to begin the test	Wait Read the results	If glucose level is high then get the insulin injection	Find a private area to inject insulin Inject insulin using the injection	If insulin injection stock is low, place an order for more
MINDSET	Aahh , I have to gather all the devices	Oh no, not again, I hate to prick my finger	Will the glucose level be high? Will I need to take insulin injection?	Need to find a private area Once again I will have to take the insulin shot	Oh I going to hurt	Need to call or order online
FEELING	 					
TOUCH POINTS	Lancet Lancing device Blood glucometer Test strip	Washroom Private area	Blood glucometer Results display	Area where insulin is stocked	Private area Insulin injection	Phone Laptop

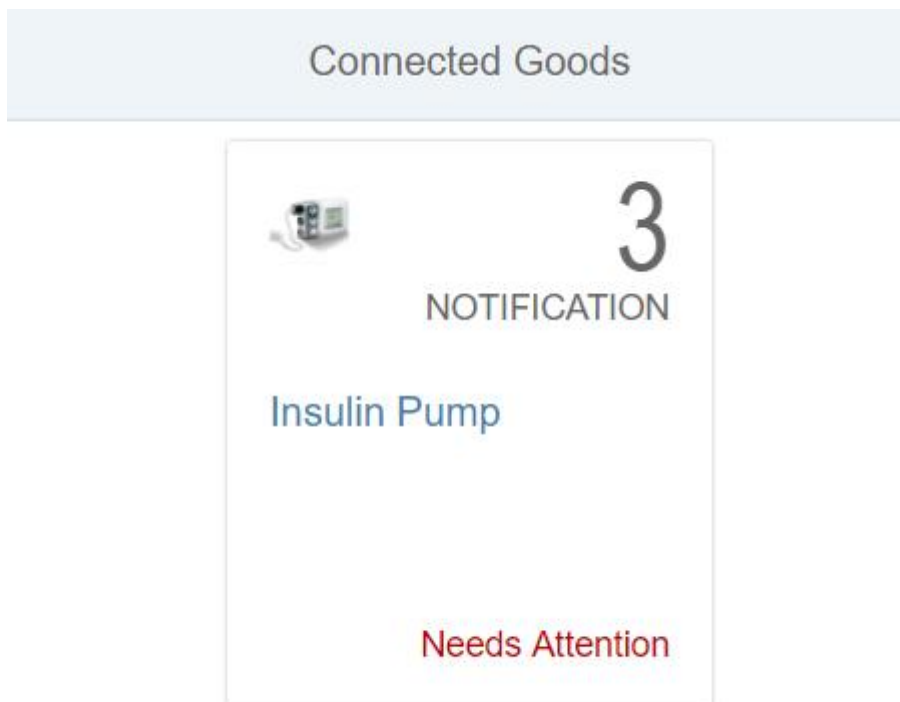


# Prototype

Mockup Screens

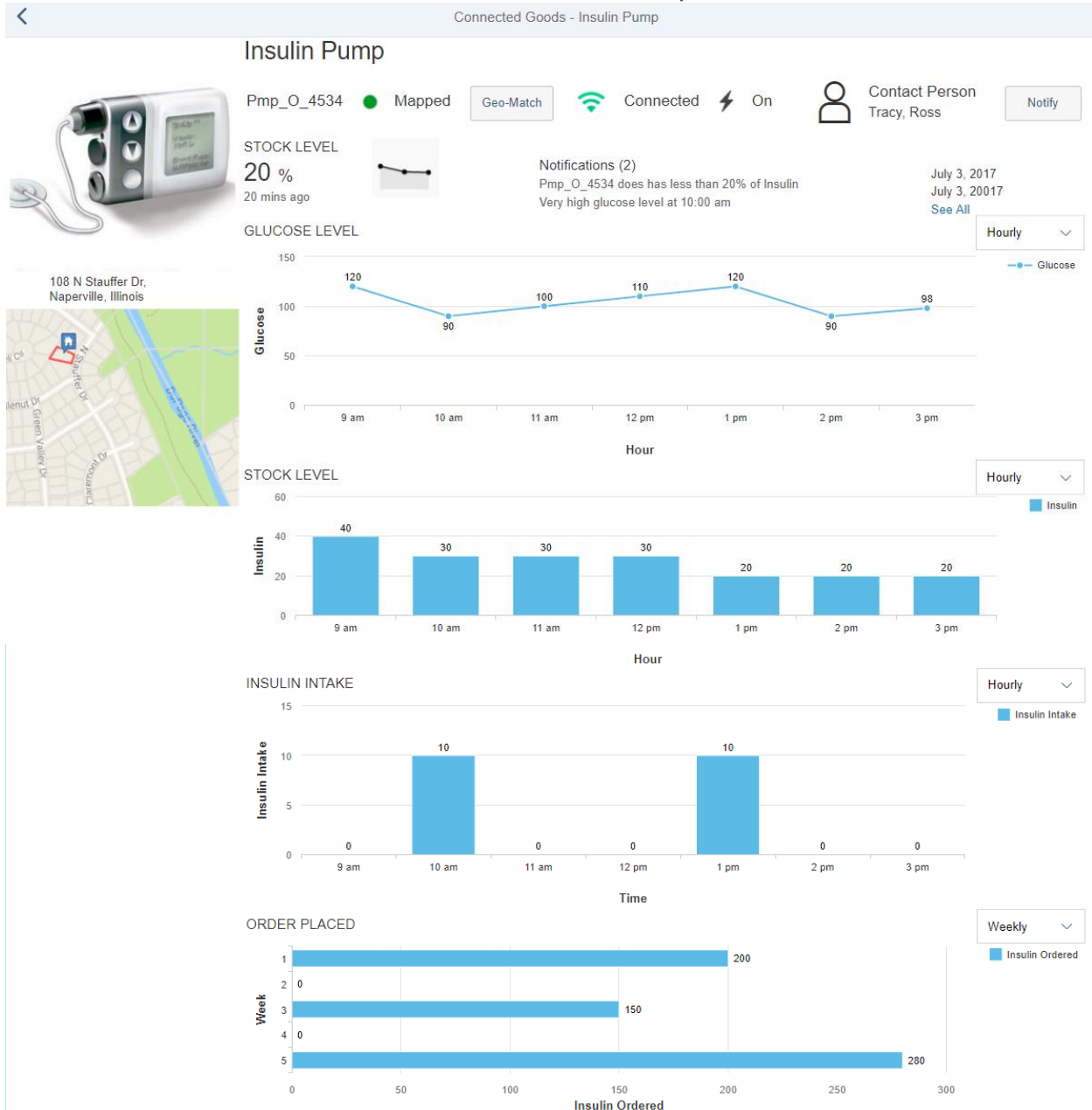
Screen 1 – Launch Page

Click on the Launch Page to access Insulin Pump details

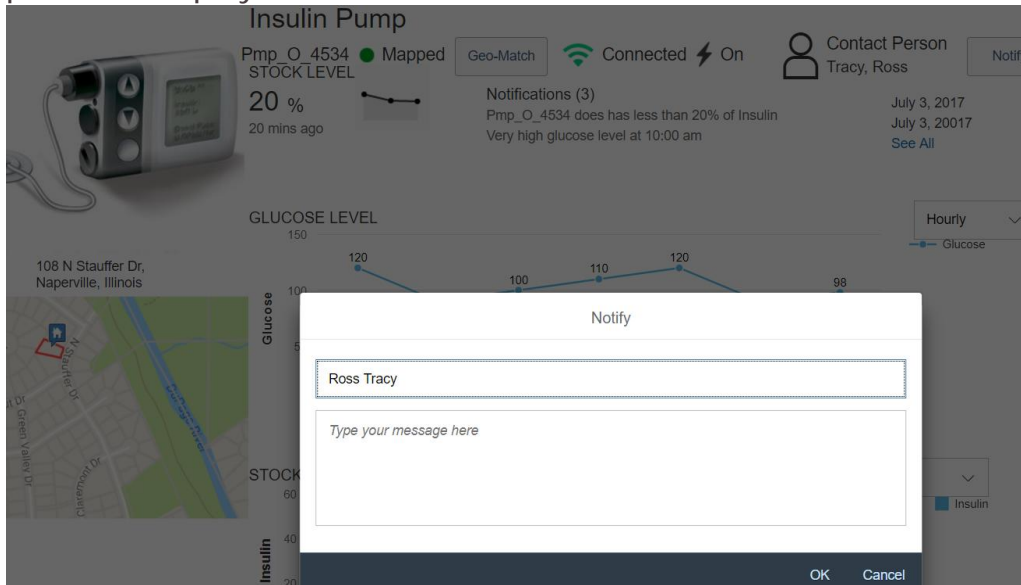


## Screen 2 – Main Page

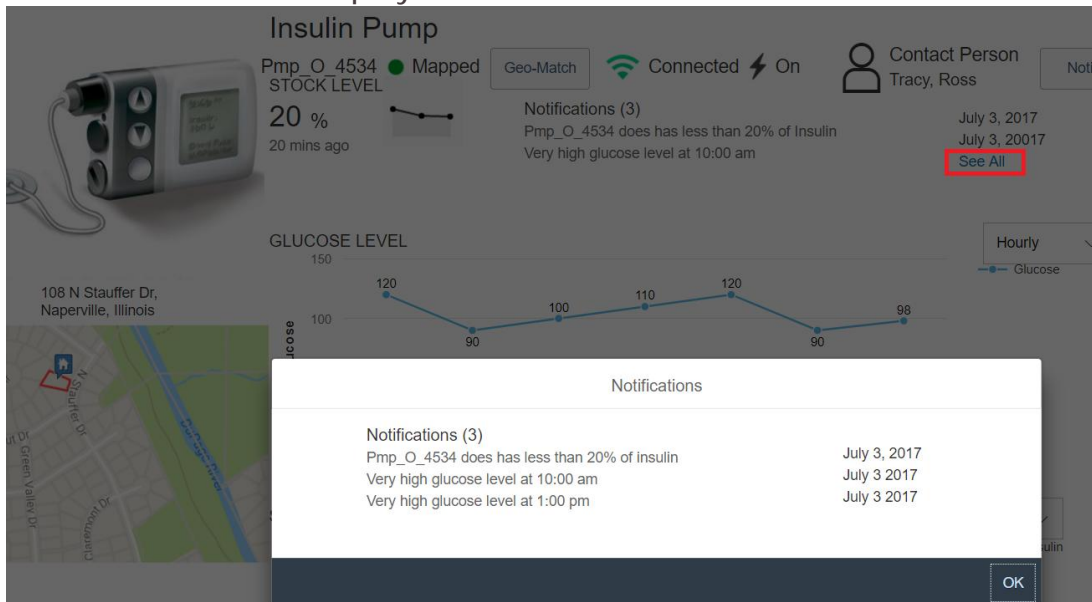
Main page displays insulin pump details like glucose level of the patient , stock level , insulin intake time and when the order was placed



When The Notify Button is clicked the pop up screen to send email to the Contact person is displayed



All notifications are displayed when the See All link is clicked



Link to the Study

<https://standard.build.me/user-research/fa9d02b4cdcc32750e1fd93b/participant/5c32d9c0d364fa0c0e204814>