IMAGINE IOT
PROTOTYPE CHALLENGE
A pub owner needs a solution to make sure his kegs are on the right temperature and he has to monitor them when they are getting empty so he can get another one as soon as possible. He also needs a way to check the stock so he can see when he needs to order new drinks by the suppliers on time.

The pub owner is interested in the temperature and the volume of the keg. He needs to be notified as soon as the temperature of the keg decreases and the beer inside the keg is under a certain value. When the volume is too low he automatically has to check the stock to see if there is another keg. When he can see that there is only one more keg in stock, he must place an order with a supplier. If the pub owner could get notifications for this in real time, he can take action quickly. This ensures that there is more customer satisfaction and customers are more loyal to the bar.
Persona

David

Pub owner of “Black horse”

“Providing customers a fresh beer and seeing the satisfaction on their faces is why I love doing my job”

About

• 28 years old, married with Sophie, pub owner for 2 years
• Mostly at the pub, working at the bar. Otherwise on the road to get drinks and snacks for stock
• I work with 2 employees and suppliers

Responsibilities

• I take care of the stock (drinks and food) to make sure everything is there when a customer orders something.
• I do the bookkeeping myself.
• I am responsible for the maintenance at the pub (make sure that everything is clean).
• I have appointments with suppliers to talk about new opportunities (for example a new drink on the market and they sell it) and the terms of agreement.

Main Goals

• Make sure that the business runs well (enough beer in stock, right price for the drinks, ...).
• Keeping the drinks at the right temperature to keep customer satisfaction high.

Needs

• I need to know which drinks are in stock so I can determine when I have to place an order.
• I need something to know the temperature of the keg so I can cool it on time and the customer’s don’t have to drink warm beer.
• I need to know when the keg is almost empty (and get a warning) so I can take another keg on time and the customers don’t have to wait too long and everything goes faster when it’s busy at the bar.

Pain Points

• The beer easily gets warm
• Not enough beer in stock because we don’t have a decent overview.
• Need a notification when the keg is almost empty.
• Need a notification when the stock is not enough so I know when to place an order.
Point of View

As a pub owner of “Black horse”

I need a way to check the volume and temperature of a keg

so that we can take a new keg faster and when the old keg is warm we can cool it quicker before the customers have to drink warm beer. This all leads to a higher customer satisfaction.
<table>
<thead>
<tr>
<th>ACTIONS</th>
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<tbody>
<tr>
<td>Stands at the bar pouring beer for customers</td>
<td>Beer gets warm because it stands there for a while</td>
<td>Keg is also getting empty and there is a line of customers who wants beer</td>
<td>Replacing the keg with a new one in stock</td>
<td>Replaced keg</td>
<td>Pouring beer</td>
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<tr>
<td>“Everything is going good”</td>
<td>“I wish I knew this earlier because customers are starting to complain”</td>
<td>“Oh no this is going to take a while and there is a line at the bar”</td>
<td>“I have to be quick or the customers aren’t satisfied”</td>
<td>“Finally I can serve the customers”</td>
<td>“I’m glad it’s OK and everyone is satisfied”</td>
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<td>Keg Stockroom</td>
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Prototype

https://standard.build.me/api/projects/fcb048ceb2b2476f0cd1f3ab/prototype/snapshot/latest/index.html#/14773870731634981_S4