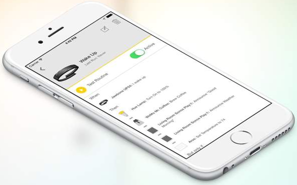


Connecting the Internet of Things

In these early days of the Internet of Things, our Nest, Sonos, and Jawbone devices cannot be managed together or even speak the same language.

It is precisely because of this disconnection that we don't live in connected houses that support our desires and routines.

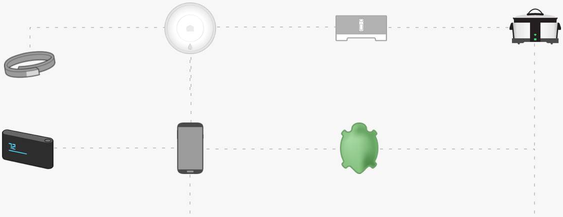
So, once you've got all these devices, how do you automate them to make a difference in your day to day life?

yonomi

Supporting your routines

Yonomi is an app that connects smart devices throughout your home, automating your chosen routines without any additional hardware.

In addition, users can chain together all their devices and manage them from a single intuitive location.



These routines and conditional events set Yonomi apart. Once the devices start having relationships with each other, they become more useful and intelligent.

With Yonomi, your home can change your lights and brew your coffee as you wake or read you the weather when you enter your closet.

A Tight Deadline

In the beginning, we ran an discovery sprint to figure out how much work there was. Just as we started the estimation phase, Yonomi closed a huge contract with Target to manage devices in their Open House department stores.

This deal was terrific news, and it brought with it a tight deadline.

> “We only had seven weeks to submit to the app store.”

Once the deadline was impending, it made more sense just to start working and pause estimation. Three of our best developers started on the project immediately and began working at a prodigious rate.

Working Side-by-Side

Other than time, there were a massive number of devices that needed to be integrated. There were about a dozen device groups each with its own device families. Each device group needed a tailored authentication. Some needed a username/password some were looking for even more specific information.

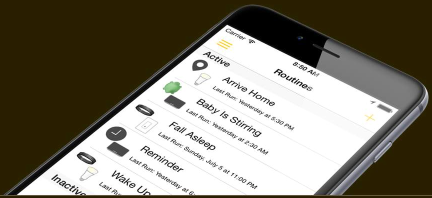
> It really helped to get

together for several hours each week.

If the Yonomi team would have been slow on answering the questions we had everyday it would have really hampered velocity. When working computer to computer we could troubleshoot, ideate and ensure we were all working toward the a consisitant vision.

Speaking the Same Language

By going through the effort of integrating all these devices we made the streamlined the experience of connecting our home. Adding new devices with Yonomi is fast and seamless, compared to the multiple step processes needed to set up each natively.


Carrier
8:50 AM
Routines
Active
Arrive Home
Last Run: Yesterday at 5:30 PM
Baby Is Stirring
Last Run: Yesterday at 2:30 AM
Fall Asleep
Last Run: Sunday, July 5 at 11:00 PM
Reminder
Last Run: Yesterday at 6:
Wake Up
Last Ru
Inactiv

Once set up, users homes can begin responding to the people in it in exciting ways. Homes can prepare dinner, lights, air conditioning and music for their owner, even unlocking the door for them just as they arrive.

Peak Velocity

The collaborative nature of the team helped us get things done at an unprecedented rate. Even with the seemingly impossible deadline, we managed to get the app approved and even released early.

In seven weeks, we worked 1238.5 hours

implementing more than 360 user stories

A major reason we managed to get the app released earlier than the deadline was the app stores expedited review. If a development team is confident their submission is perfect then it has can be reviewed much faster than normal. Since we had checked out p's and q's our app was approved in just under 4 hours.

What We Learned

Create reusable patterns whenever possible.

David Olesch iOS Lead at Jackrabbit Mobile

We built components on the programming side that let us translate data from a server into how iOS understands it. That way we can focus on building and not switching between data environments.

We were flexible enough with these code patterns and data processing that we use the code for other data-intensive applications too.

These patterns have already saved us a lot of effort.