

Project Simulation Interview - Story wall



PROJECT SIMULATION DAY

Welcome to Thoughtworks!

Today, you will be participating in a Project Simulation day. This will include a number of tasks and sessions throughout the day, based on a fictional client.

The day is simulating a client project and therefore will give you a taste of a day in the life of Thoughtworks! You will be meeting a number of Thoughtworkers, so please use this as an opportunity, to ask any questions.

We have included an agenda in this pack so please keep this on you throughout the day as you may need to refer back to it.

Should you have any questions, at any point in the day, please ask a member of the friendly recruitment team or any of the Thoughtworkers you meet along the way!

There follows a short brief on JOI Energy. This is the 'client' you will be working with today. Please read the brief and the rest of this pack to prepare you for the pairing, in about 15 minutes time!

WHO ARE JOI ENERGY

JOI Energy is a start-up company that aims to find consumers the cheapest energy tariffs through the use of IoT devices and smart meters. The aim is to then allow the customers to do a one click switch to the cheapest tariff.

Already there are several companies in the Germany with thousands of different tariffs who resell national grid energy to consumers. These companies create new tariffs based on the pattern of energy usage or location. This makes it really hard for consumers to keep up with those tariffs, meaning people do not switch an energy provider and it ends up being very expensive. This is where JOI Energy comes in.

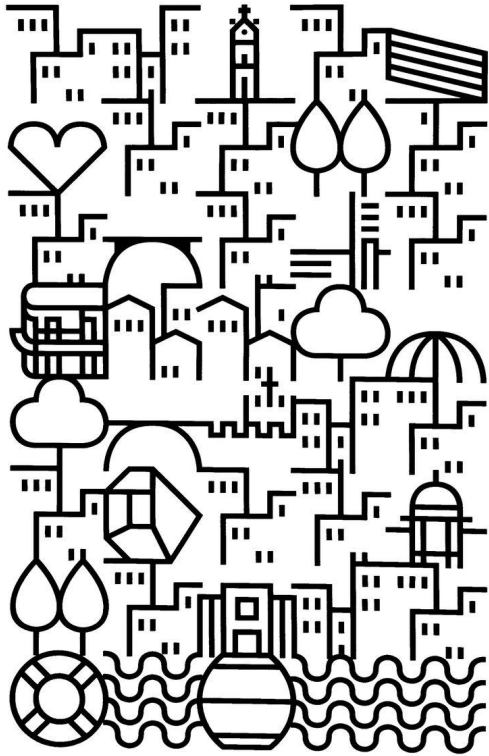
As well as having their own customers they also make money by enabling smaller energy companies more easily gain customers - they get a small commission for each switch.

Why they need Thoughtworks help

JOI Energy need help building a scalable platform that enables millions of customers to send live smart meter usage data. They want to build a product that enables consumers to quickly and easily see and act on their energy usage data.



POWERDALE



PowerDale is a small town with around 100 residents. Most houses have a smart meter installed that saves and sends information about how much energy a house has used.

There are three major providers of energy in the town that charge different amounts for the power they supply.

- Dr Evil's Dark Energy
- The Green Eco
- Power for Everyone

JOI Energy comes to town

JOI Energy is a new startup in the energy industry.

Rather than selling energy they want to differentiate themselves from the market by recording their customers' energy usage from their smart meters and recommending the best supplier to meet their needs.

You have been placed into their development team, whose current goal is to produce an API which their customers and smart meters will interact with.

WHERE THIS PRODUCT IS AT

Currently we've been working at the client for a few weeks already and have planned three versions, which JOI then want to start to user test and pilot with selected customers.

MVP - sending usage data through, convert to a cost and show lowest tariffs

v2 - Add on peak and off peak pricing and messaging

v3 - Add on Gas and Dual fuel tariffs

TODAY

Unfortunately, two of the team are on annual leave, and another has called in sick!

You are new to the team and pairing with a Thoughtworker to progress with the current stories on the wall. This is your chance to make an impact on the business, improve the code base and deliver value.

Jol Code

<https://github.com/techops-recsys-lateral-hiring>