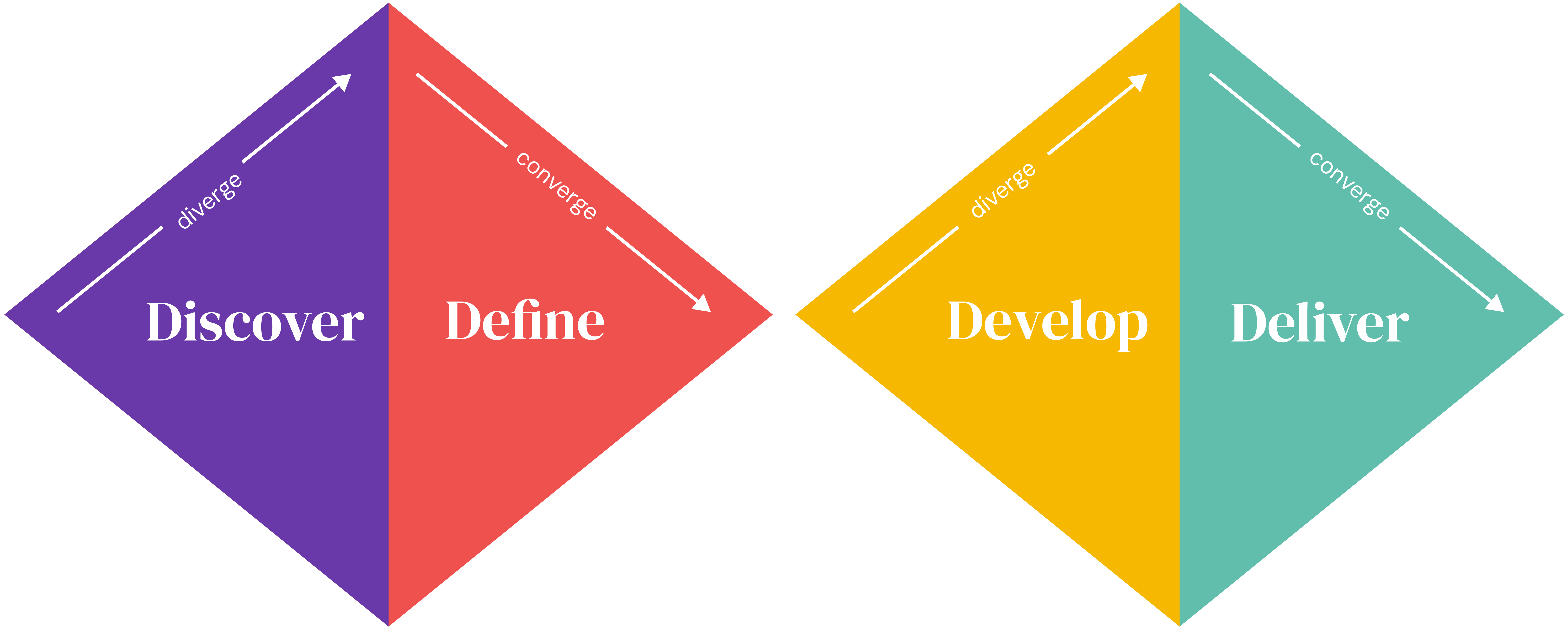
Amanda Koh

Technical Product Designer

andikoh.com

My Design Journey

I'm a Product Designer, but what kind?



What is the problem?

What is the solution?

Projects

1/ AI-assisted insurance workflows

At QuantCo, I design tools that use LLMs to accelerate insurance claim handling. Working from discovery to delivery to align technical capability with user needs and our product vision.

2/ Better developer tools for MLOps

At QuantumBlack, I worked on driving adoption for Kedro, an open source python framework that had a steep learning curve. I worked with data scientists and ML engineers to address their pain points.

3/ Performant, real time web uis for traders' data needs

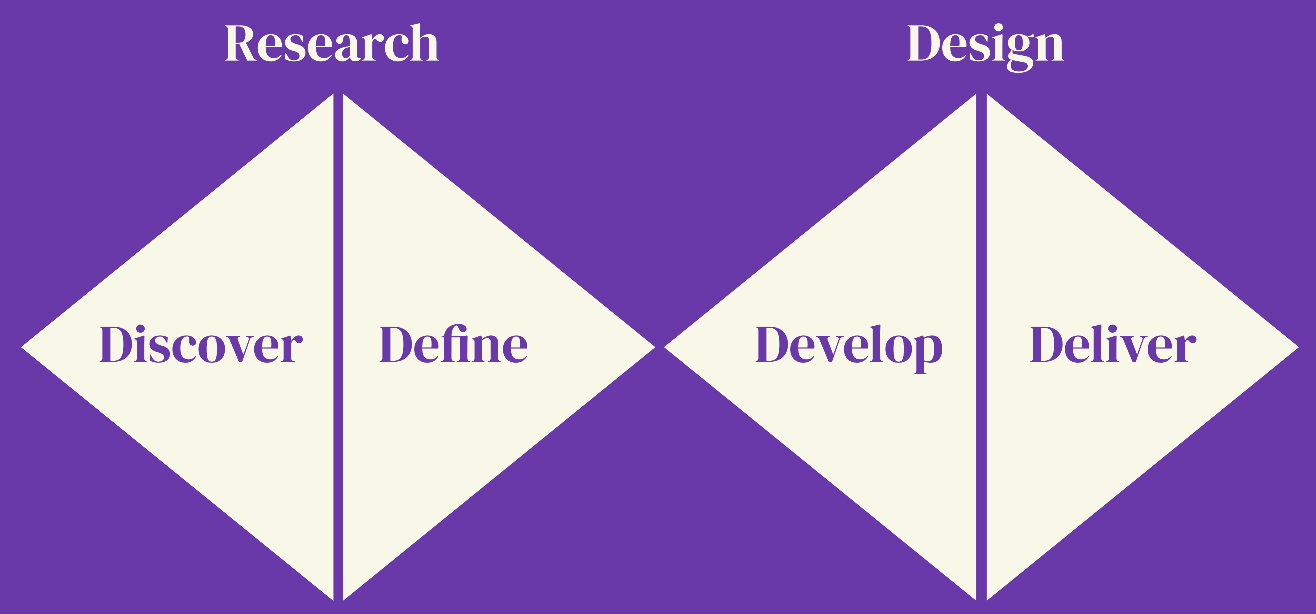
At Maven Securities, I designed an internal derivatives trading platform. I worked with traders to translate their needs into the UI.

4/ User management for cloud deployments

At Improbable, I worked on our internal and external interfaces for managing cloud deployments as part of their cloud-based game development platform SpatialOS.

1/ AI-assisted insurance claim handling

I joined QuantCo as their first designer, leading design across internal product development and client-facing AI projects



The Context

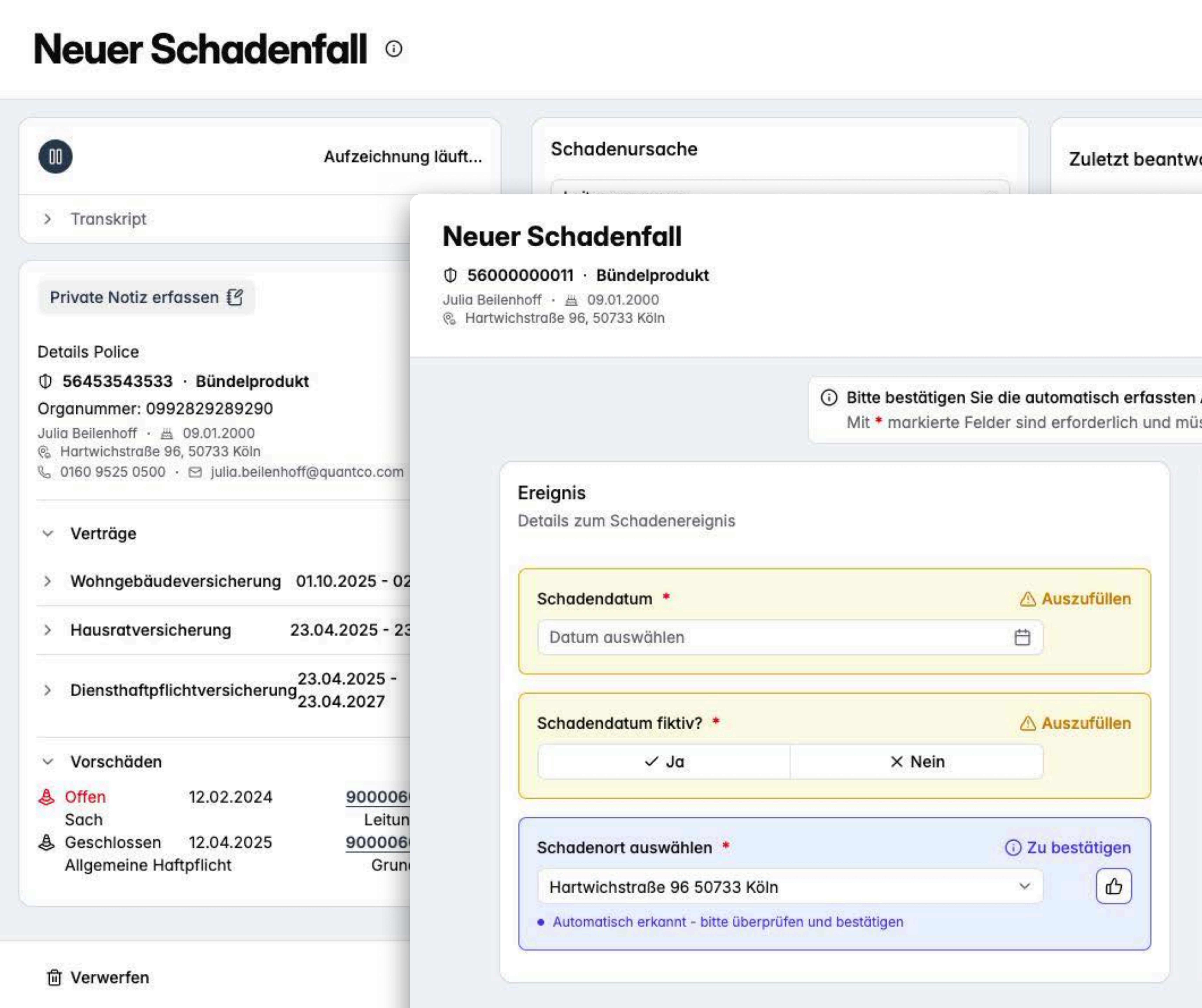
QuantCo is a data integration consultancy, specialising in insurance. For the last 7 years, they have deployed data scientists and ML engineers into clients to build models and better leverage their data.

Having serviced many clients, QuantCo is trying to productise their offering, transitioning from a service model to SaaS.

My Role

My team is 10 data scientists and 10 engineers who leverage LLMs and more traditional ML methods to streamline claim processing with the end goal of significant automation

My role is to take these capabilities and wrap them into a product that we can try and sell to clients independent of our integration services.



Product

- turn a client delivery team into a product team
- establish a product development roadmap
- balance client delivery goals with product goals
- align product vision with business strategy
- integrate data analytics and translate data insights into product direction

Design

- work across UIs to bring consistency
- work with engineers to expose AI features
- champion user needs, and good research practices
- introduce sustainable AI-assisted design practices

The User Problem

Claim handlers must match invoices with their initial quotes in order to decide whether to pay out an invoice. A claim can contain 100s of documents, received at different times, multiple quotes, multiple repairs and long email chains with attachments.

This can be very **time consuming** and **imprecise** as invoice values don't always match quote values exactly.

The Technical Solution

Using OCR, we can extract invoice and quote items line by line. We can then compare pairs of documents and give them a similarity score.

Given one quote, we can provide a list of documents that are likely to be the matching invoice.

This was built to advance the payment automation workstream.

FIXQUICK PLUMBING & CO.

FixQuick GmbH
Trockenstrasse 5, 10785 Berlin
+49 30 1234567 info@fixquick.com
www.fixquick.com

Offer for Installation & Building Drying

Offer Reference: FQ-OF-3321

Date: 12 May 2025

To: Mary Smith, 123 Regent Lane, 10178 Berlin

Dear Ms. Smith,

Thank you for your inquiry. We are pleased to offer the following detailed proposal following your recent incident involving water damage at your premises. Our solution leverages high-quality industrial equipment and skilled personnel for thorough remediation and protection.

Scope of Work:

Description	Amount
Initial site setup, assessment, and safety briefing	€150.00
Installation of industrial-grade dehumidifier system	€350.00
Installation of auxiliary drying machine (to be evaluated)	€200.00
Daily monitoring and moisture measurement (10 days)	€300.00
Removal of drying equipment and site cleanup	€100.00
Detailed final drying report and certification	€50.00
VAT (19%)	€150.00

Total Offer Amount: €1,200.00

Acceptance required prior to scheduling. This offer is valid for 14 days from issue, until 2025-05-26.

Kindly confirm your acceptance by responding to this message or contacting us directly. Upon confirmation, we will promptly coordinate for site preparation and scheduling.

FIXQUICK PLUMBING & CO.

FixQuick GmbH, Friedrichstraße 22,
10117 Berlin | Tel: +49 30 4456789 |
info@fixquick.com
Specialists: Water Damage Restoration ·
Leak Detection · Drying Solutions ·
Emergency Installation Services

INVOICE

Invoice Number: FQ-INV-7712

Date: 2025-05-24

Billed To:
AXA Claims
Mary Smith
123 Regent Lane
Berlin

Description	Amount (€)
Setup and site safety assessment	€180.00
Main dehumidification unit (15 days @ €35/day)	€525.00
Second drying machine (12 days @ €32/day)	€384.00
Moisture evaluation and daily monitoring	€220.00
Consumables (pipes, 30€/m)	€90.00
Final drying report & certification	€50.00
Equipment removal and waste disposal	€80.00
Sub-Total	€1,900.00
Additional works (emergency call-out, weekend rate)	€400.00
Travel and logistics	€100.00
VAT (19%)	€385.51
GRAND TOTAL DUE	€2,414.51

Terms: Payment due within 14 days.

Bank: DE32 1004 5029 6784 3090 11

For service inquiries: ralph.king@fixquick.com

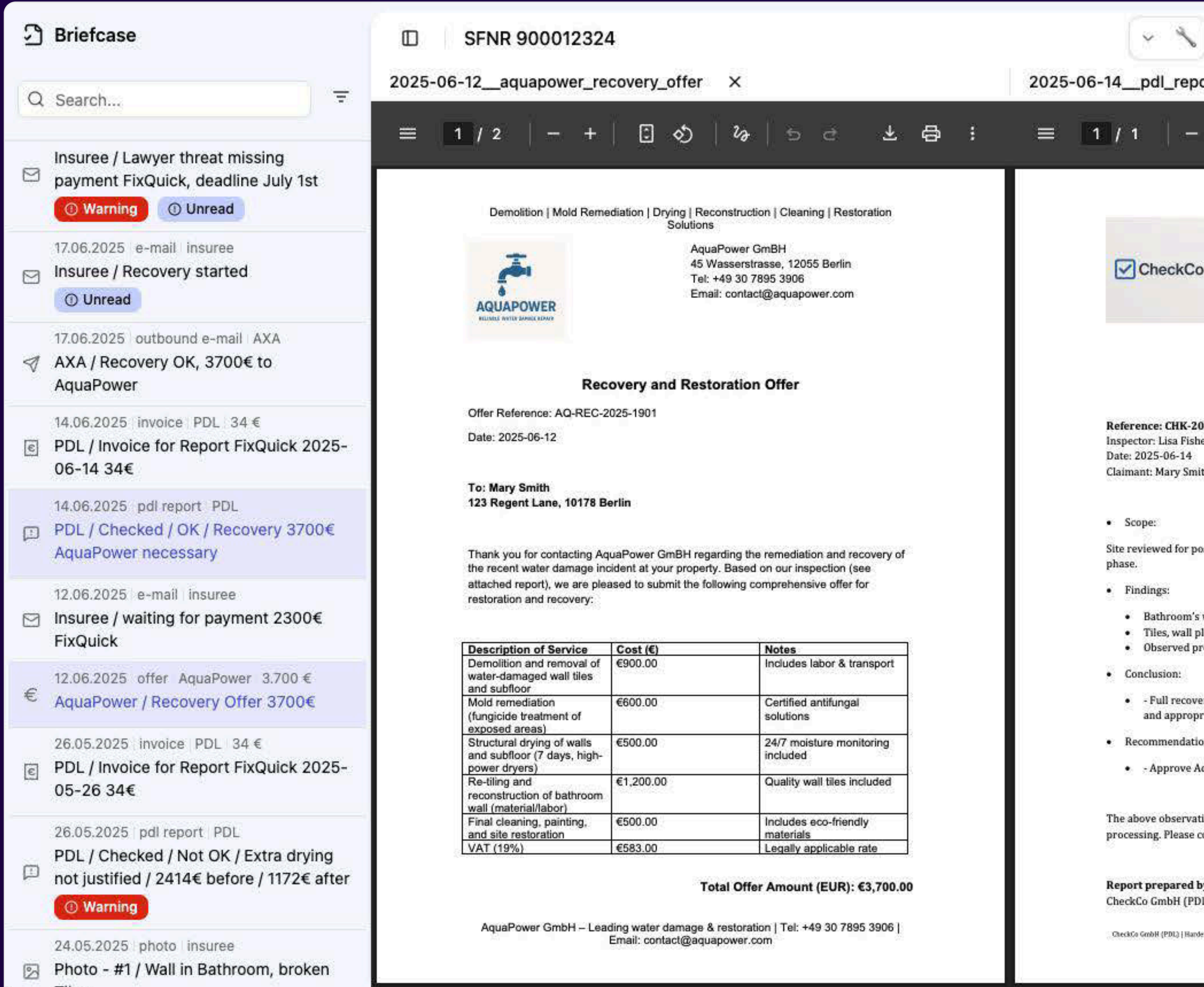
The Design Challenge

Engineers: How do we expose this information to claim handlers?

Me: What do we actually want claim handlers to do with this information?

Understanding claim handling

1. Weekly virtual shadowing sessions
2. Weekly feedback with 6 pilot users
3. Bi-weekly in-person sessions

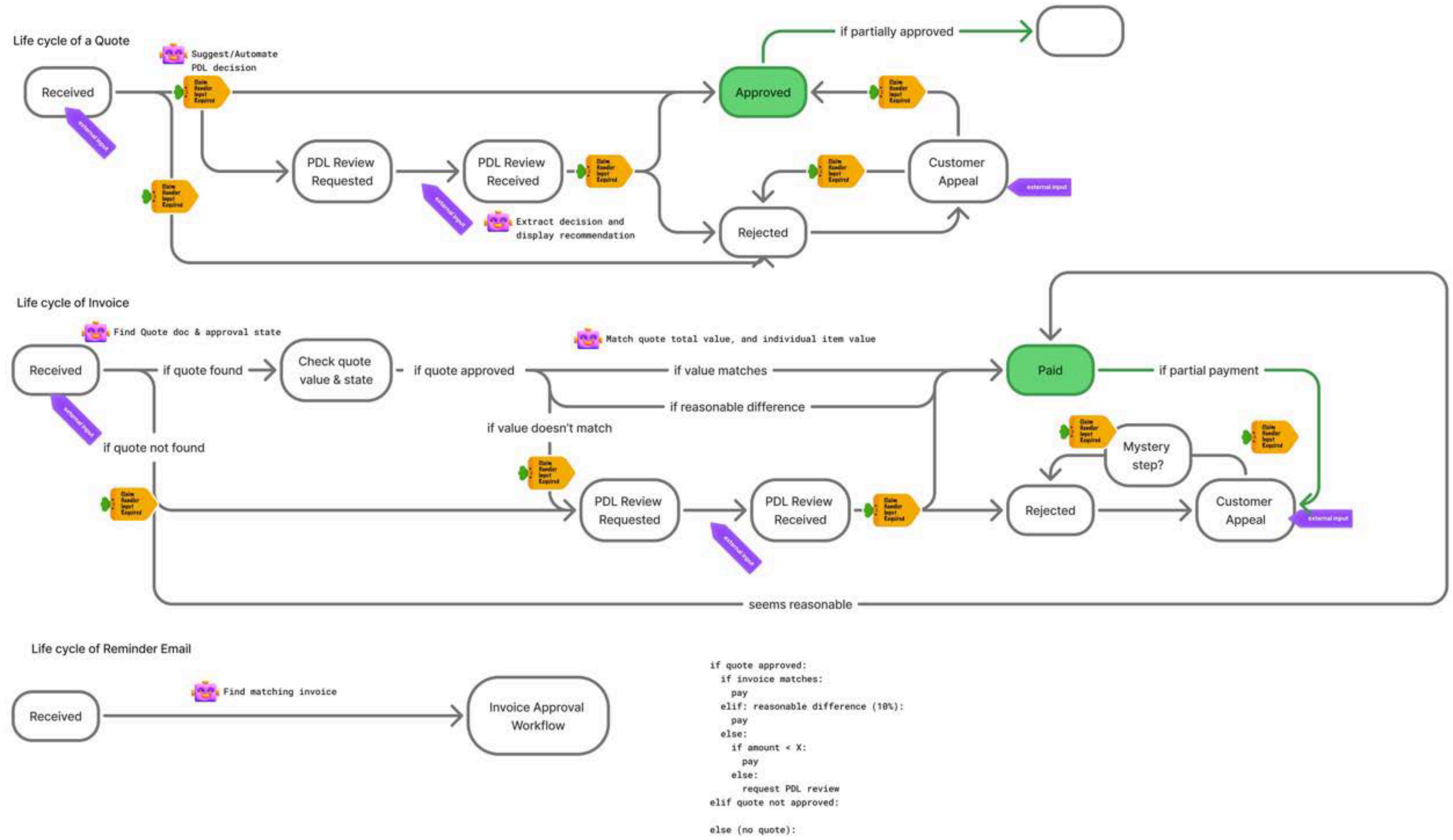


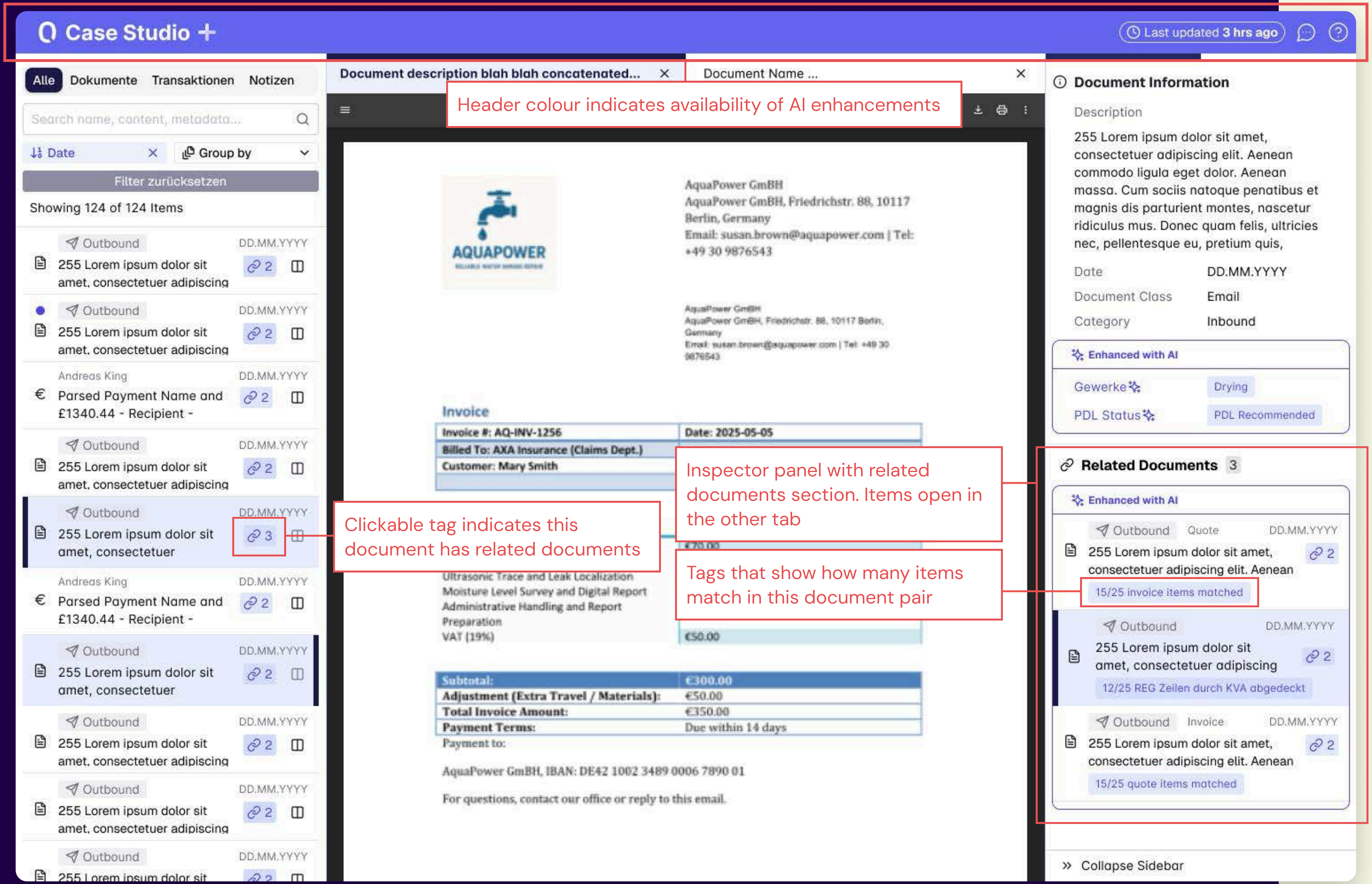
Outcomes

1. A better understanding of claim handlers' decision making processes
2. Understand **when** claim handlers **must** have input in the invoice-quote lifecycle
3. Insights into what other types of document relationships would be useful

Important constraints

- our UI was 'read-only', claim handling actions could only be done via the approved third-party solution.
- invoice-quote relationships were only the start. The automation work-stream was likely to create more useful relationships.
- We want claim handlers to help validate our model outputs.





Goal

Help claim handlers decide whether to pay out an invoice as quickly as possible.

New Workflow

1. Open document viewer to view invoice
2. See related quotes in the inspector with match ratio
3. Open related quote in side by side view
4. Verify match
5. Return to third-party application to pay

Key Design Decisions

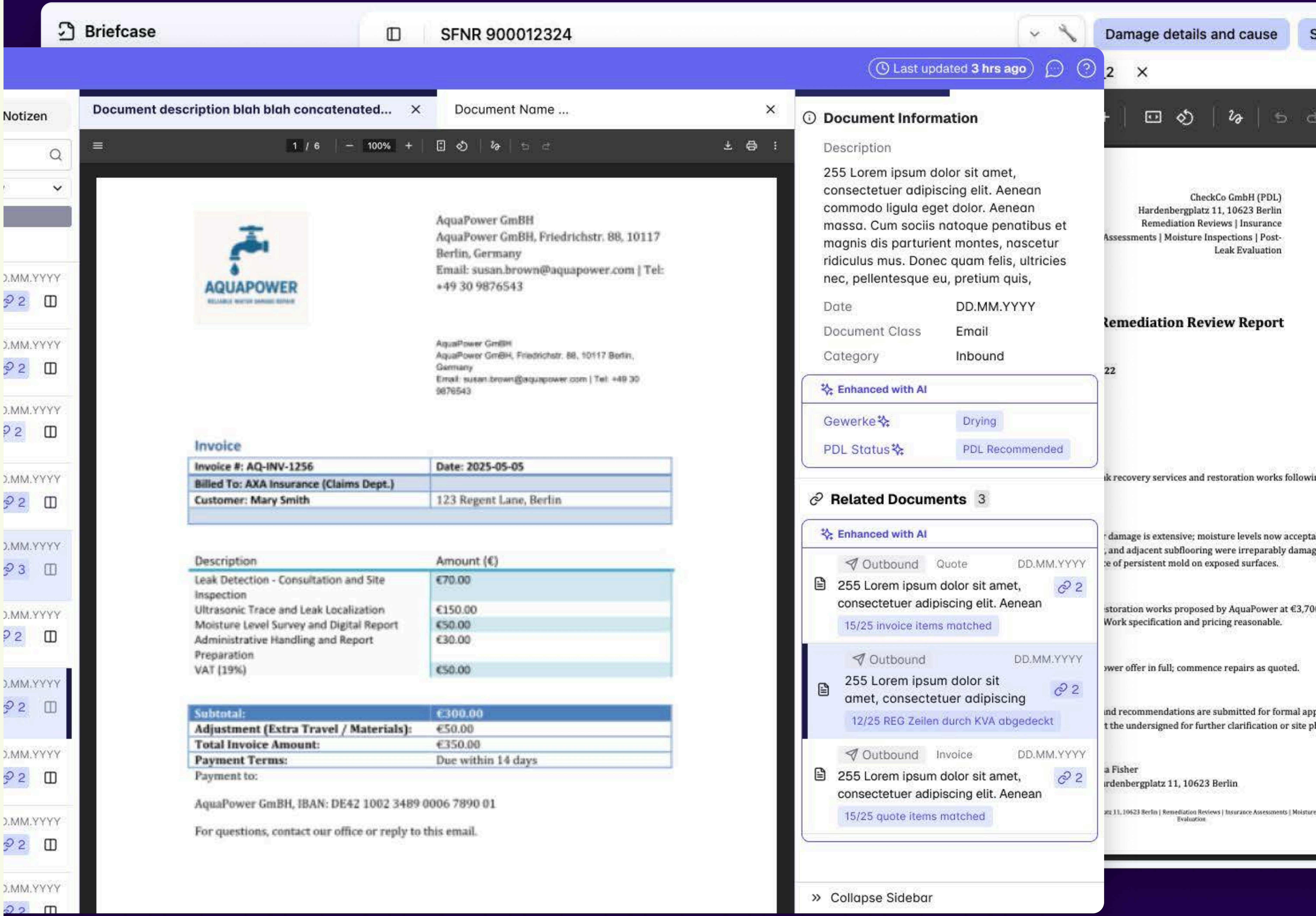
1. Purple is used to highlight information that comes from our models.
2. Displaying matches as 15/25 as a comprehensible way to explain “uncertainty”
3. Availability of matches should be visible even if inspector isn’t open

Where it's at now?

- feature-complete with original document viewer
- released to 300 users
- integrated data analytics pipeline with Countly
- established user research pipeline with built-in feedback forms
- expanded pilot to 30 users

Outcomes

- dynamic document grouping
- enhanced metadata
- smart search and filter



AI for Production Design

As a solo- (now duo) designer. AI tools promised to help manage the workload.

While capabilities were impressive in isolation, I still needed to work out how to incorporate them into my workflow in a useful, sustainable way.

A designer:

- facilitates discussion
- ideates, prototypes, designs
- helps engineers know what to build

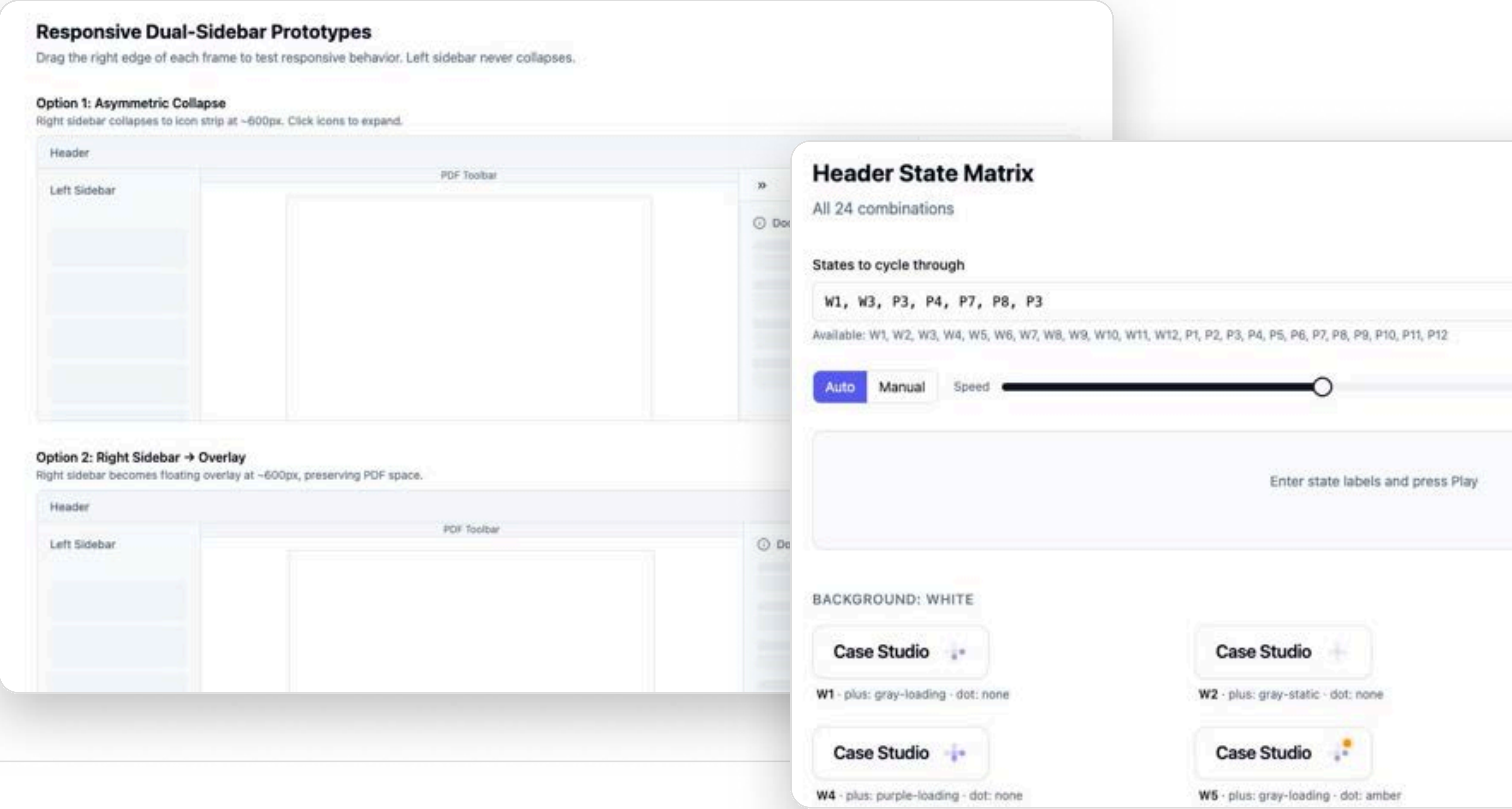
Takeaways

- AI helps me **communicate** my ideas faster
- AI helps me **ideate** 'realistically'
- AI doesn't always make handoff easier

- Figma is still a key part of production-level designs (**for now**)
- I don't allow any vibe-coded prototype code into a production repo

Lovable

- rapid ideation
- style-agnostic demos
- showcasing interactions
- dependency-free prototypes



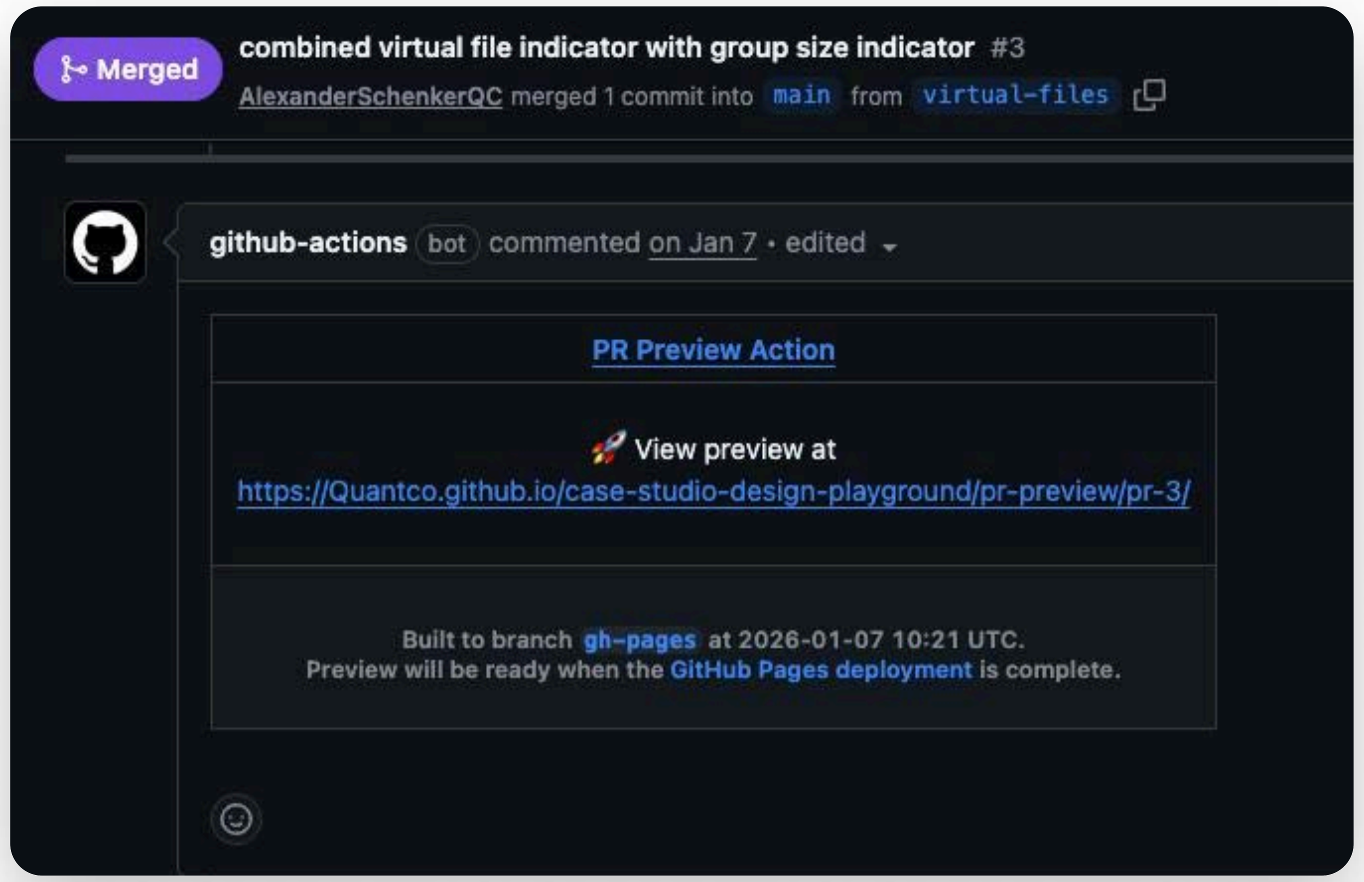
CLAUDE CODE

CURSOR

- prototyping on top 'real' code base
- creating a design playground from figma designs

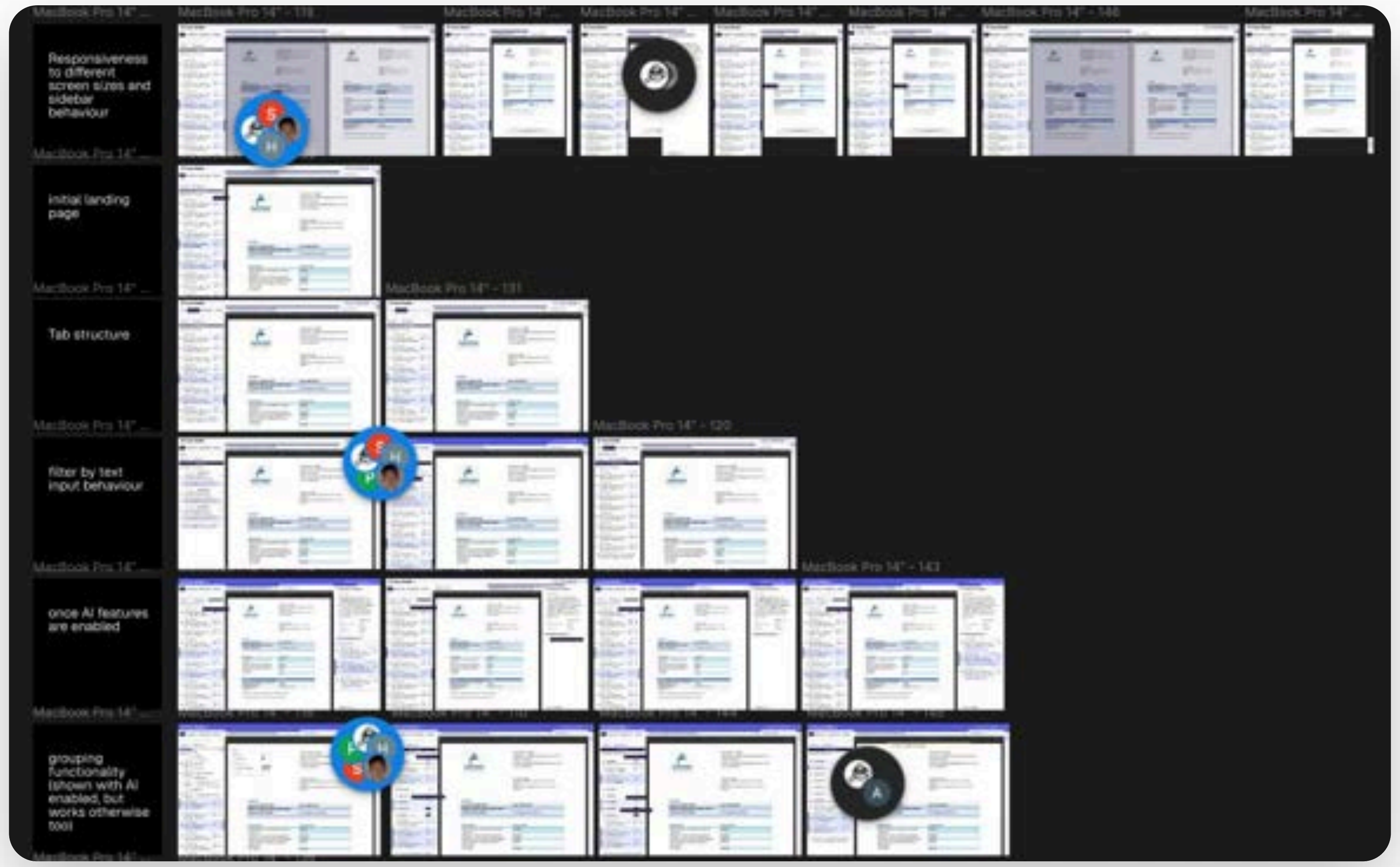
GitHub

- github pages to quickly share prototypes



Figma

- detailed work, collaboration
- show the UI in different states



Client delivery → Product Team

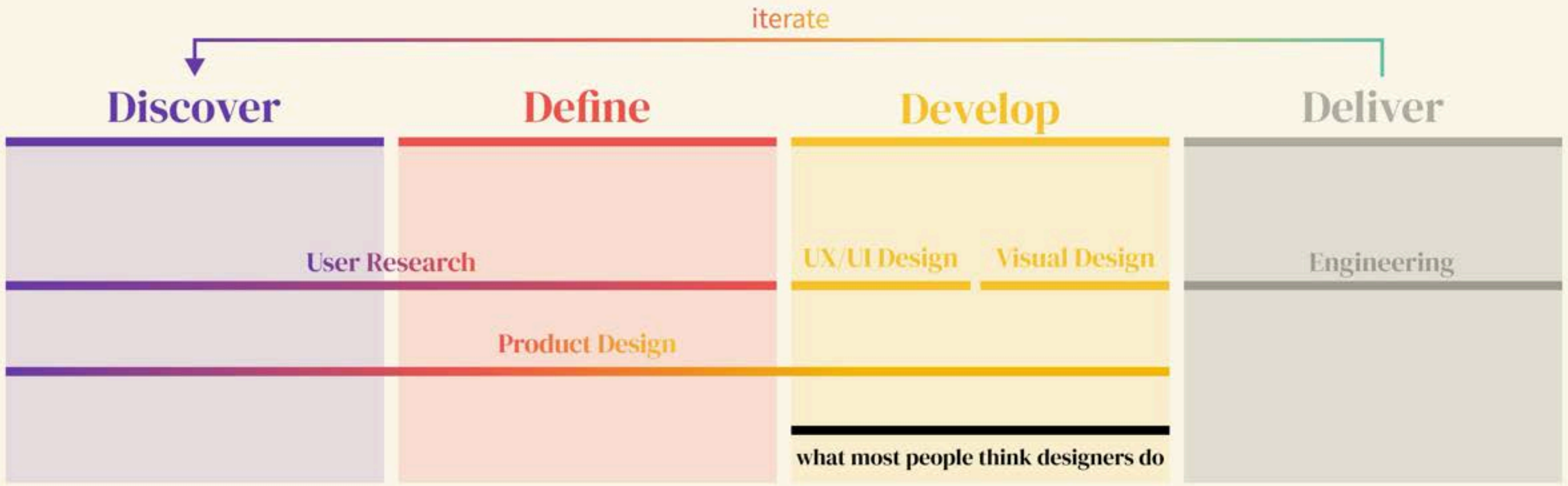
When I joined, my team had only ever worked on client delivery projects, delivering data integrations and optimisations based on one specific client's needs.

They had never worked with a designer before. They were used to doing all the discovery and research themselves then building directly.

They had never built a re-usable "product" with a wider vision before.

What do designers really do?

There are many types of designers, but here are some commonly used terms you may have come across



What's been missing so far

In a team where engineers are heavily involved in user research, a designer can help break down the problem in a more user-centric way

Establishing process

Since they were used to working on the client's timelines, and the project was fresh out of "demo" stage. There was no roadmap, no plan on what we were going to deliver and how.

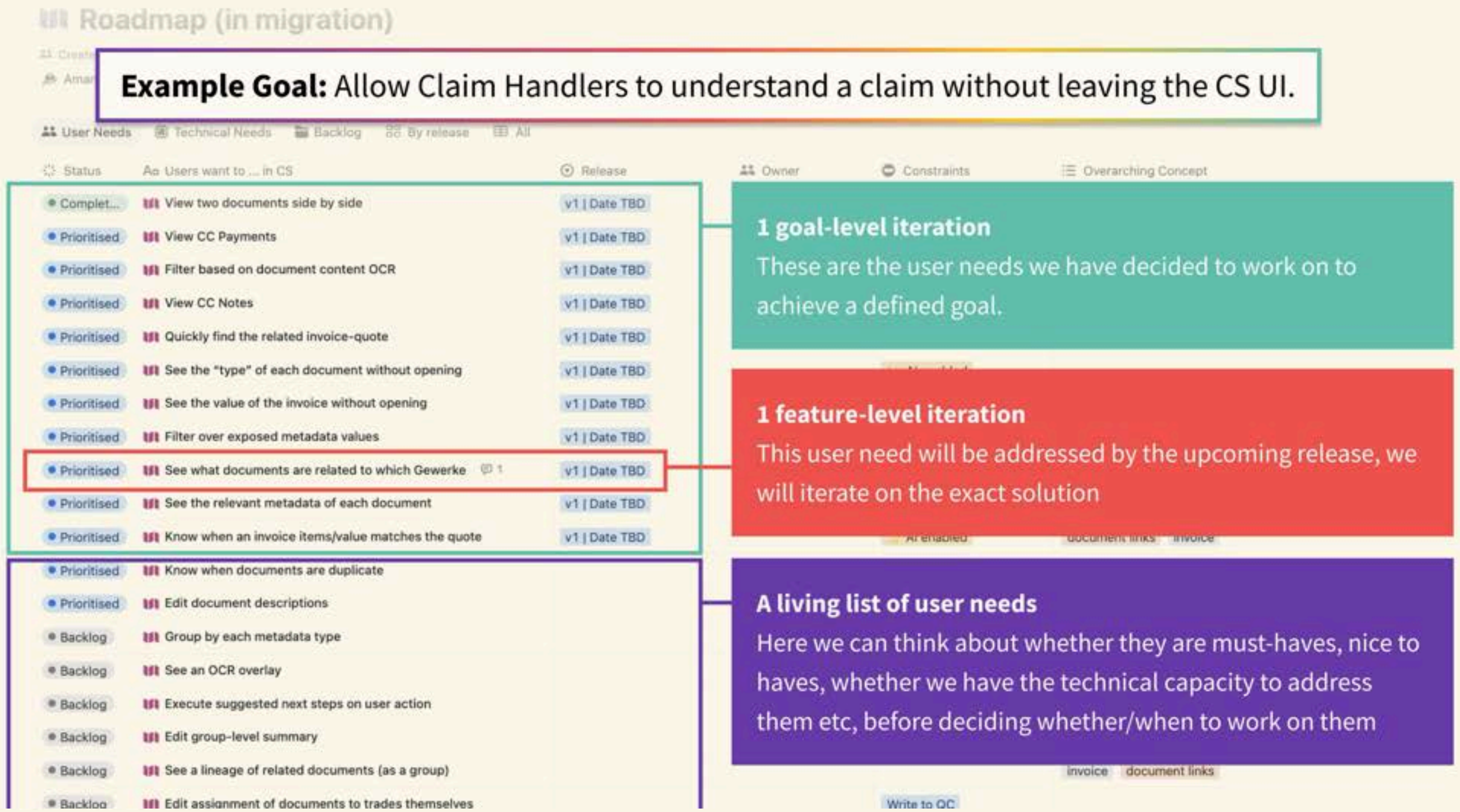
Managing Client vs Product

It was up to me start building the systems and frameworks that would help us manage both delivering something the client wanted without overfitting, and building out a re-usable product at the same time.

- separate client-specific user needs from product-relevant needs
- designing with the long term vision in mind
- maintain a user research repository

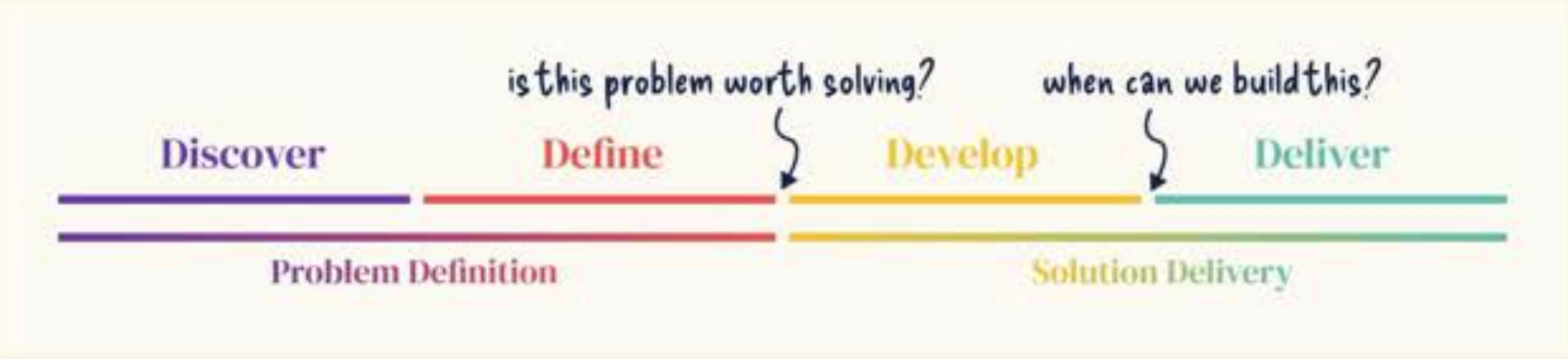
Product Roadmap

Helps us make decisions with information about what's coming down the road. This helps both design and engineering make sustainable, consistent decisions rather than constant patching



Prioritisation

Prioritisation is where design and engineering collaborate to work out what is and isn't feasibility to include in the product - now and in the future.



Creating a Product Vision

Beyond the demo we had pitched, it was important for our team to align on what our short and long term goals were for Case Studio beyond simple document viewing.

Building team alignment

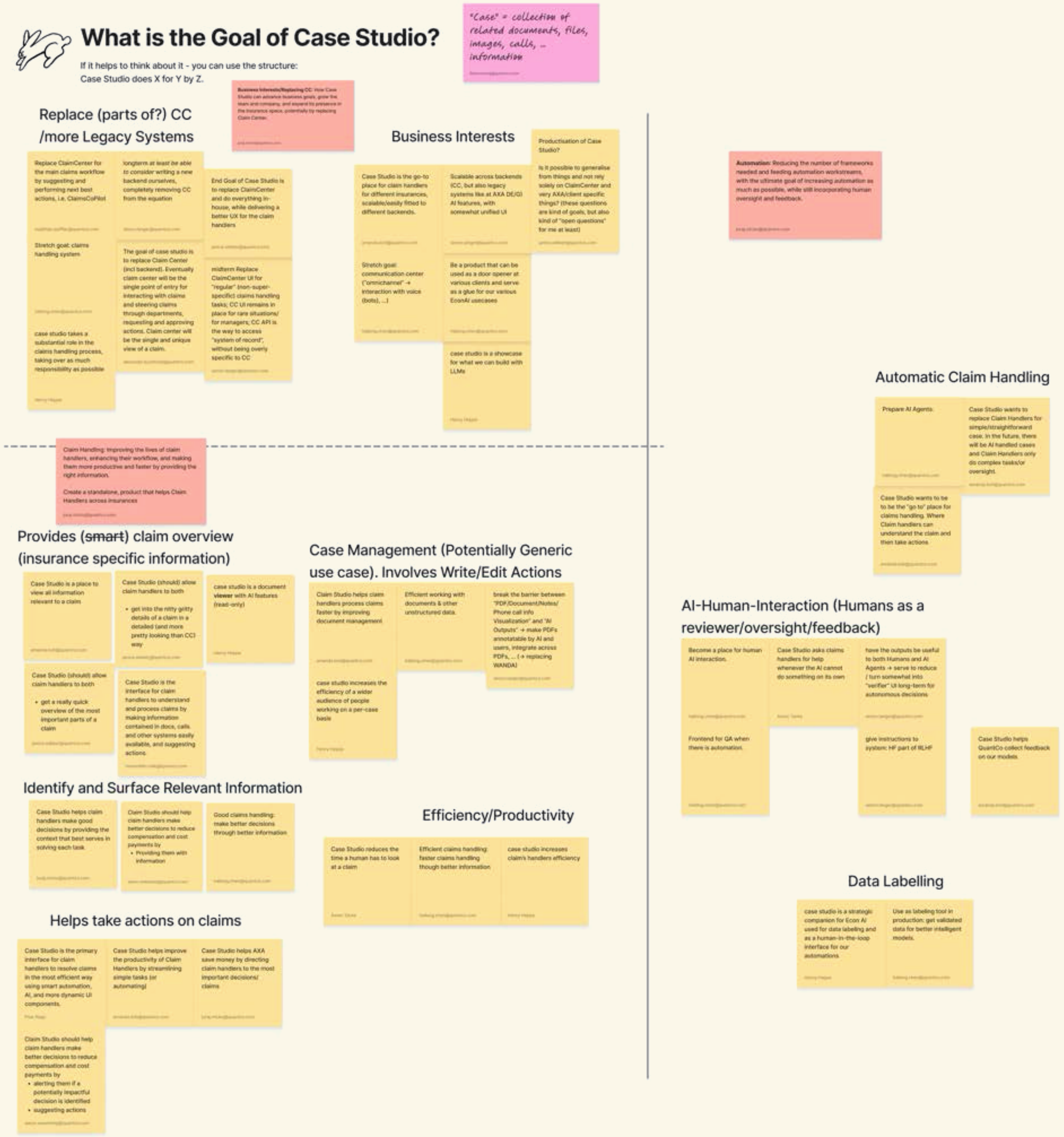
Since almost all our data scientists had direct and regular access to the customer and the clearest insight into what was possible technologically, their input was key to defining mid-term scope.

I ran a series of workshops to help us discuss our ideas in structured format.

Building business alignment

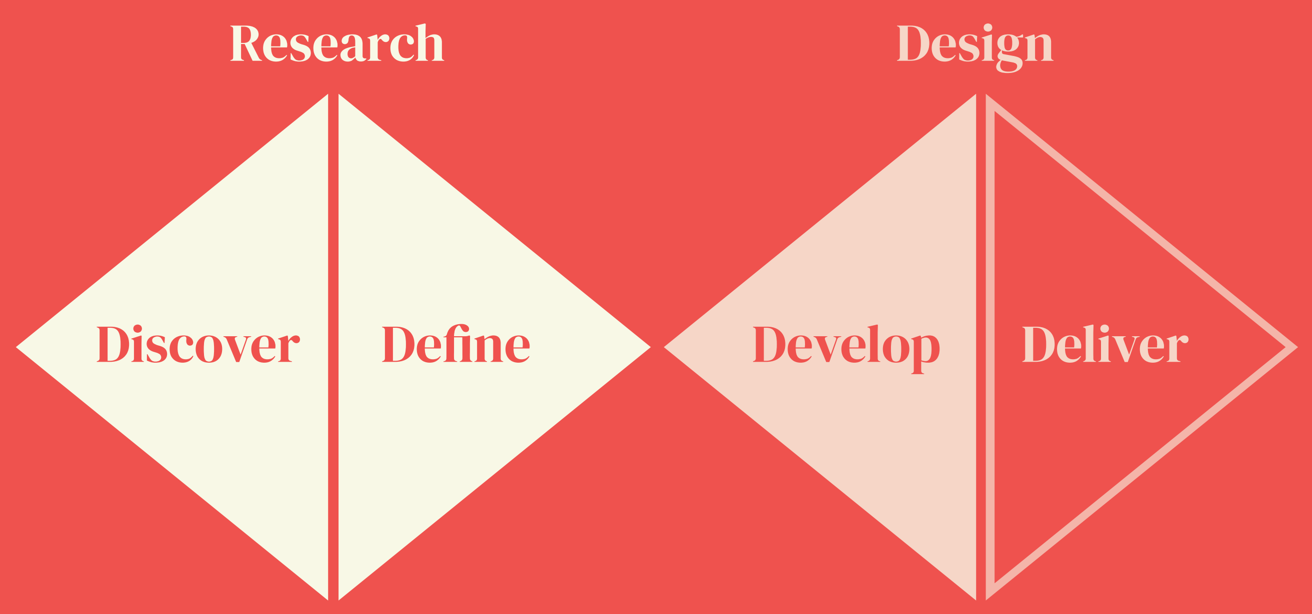
It was also important to contextualise what we wanted to build with the wider business strategy. For this I worked with senior business leadership and client relations to take our team's vision and align it with what we thought customers would be interested in buying.

This also included working on a **incremental adoption** strategy, and **short vs long term pitch** for partnerships.



2/ Better developer tools for MLOps

At QuantumBlack, I was a Technical UX Designer on Kedro, an open source python framework that helps teams build production ready data science pipelines.



kedro

What is it?

Kedro is a python framework that helps users of any level get started with writing maintanable data science code.

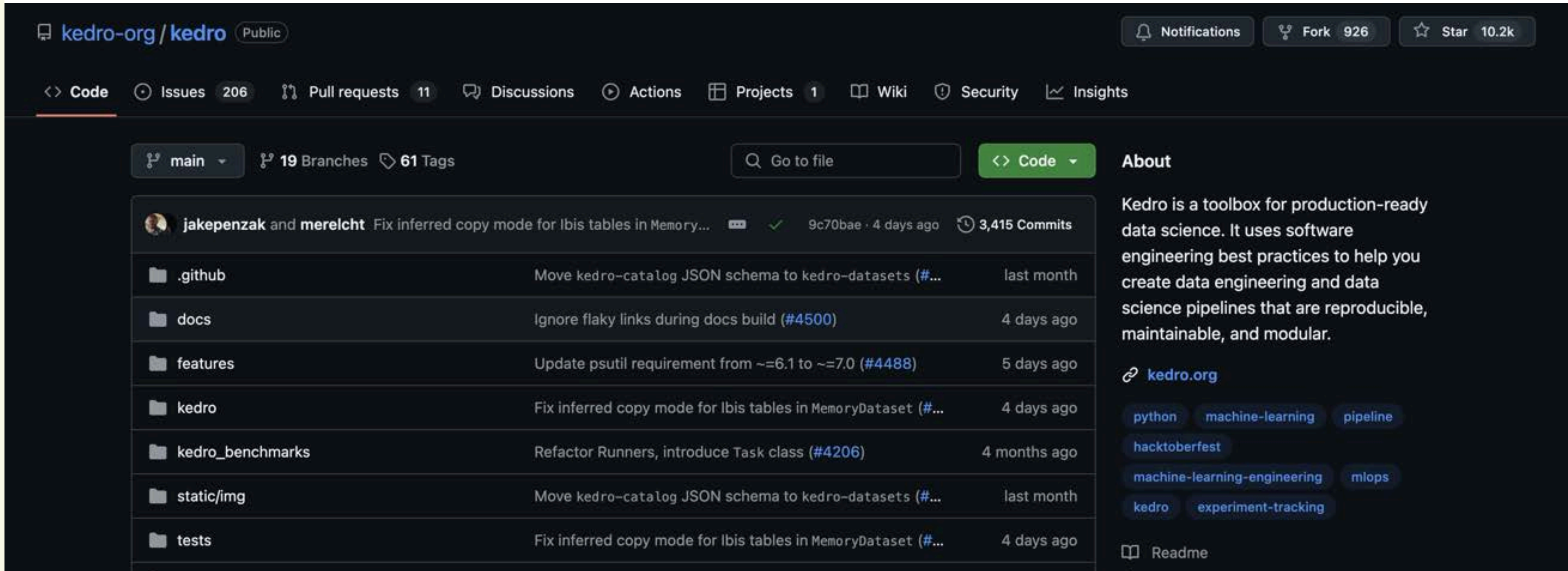
Started as an internal tool developed by QB machine learning engineers to simply their workflow across multiple client projects

Role of Design

User Research To understand the needs and wants of the user base. Focusing on how to grow adoption internally and externally.

User Experience User workflow mapping, identifying frictions and opportunity areas for feature development

User Interfaces Targeted changes to the CLI to improve usability. Design of pipeline visualisation and experiment tracking UI.



Ensuring Consistency

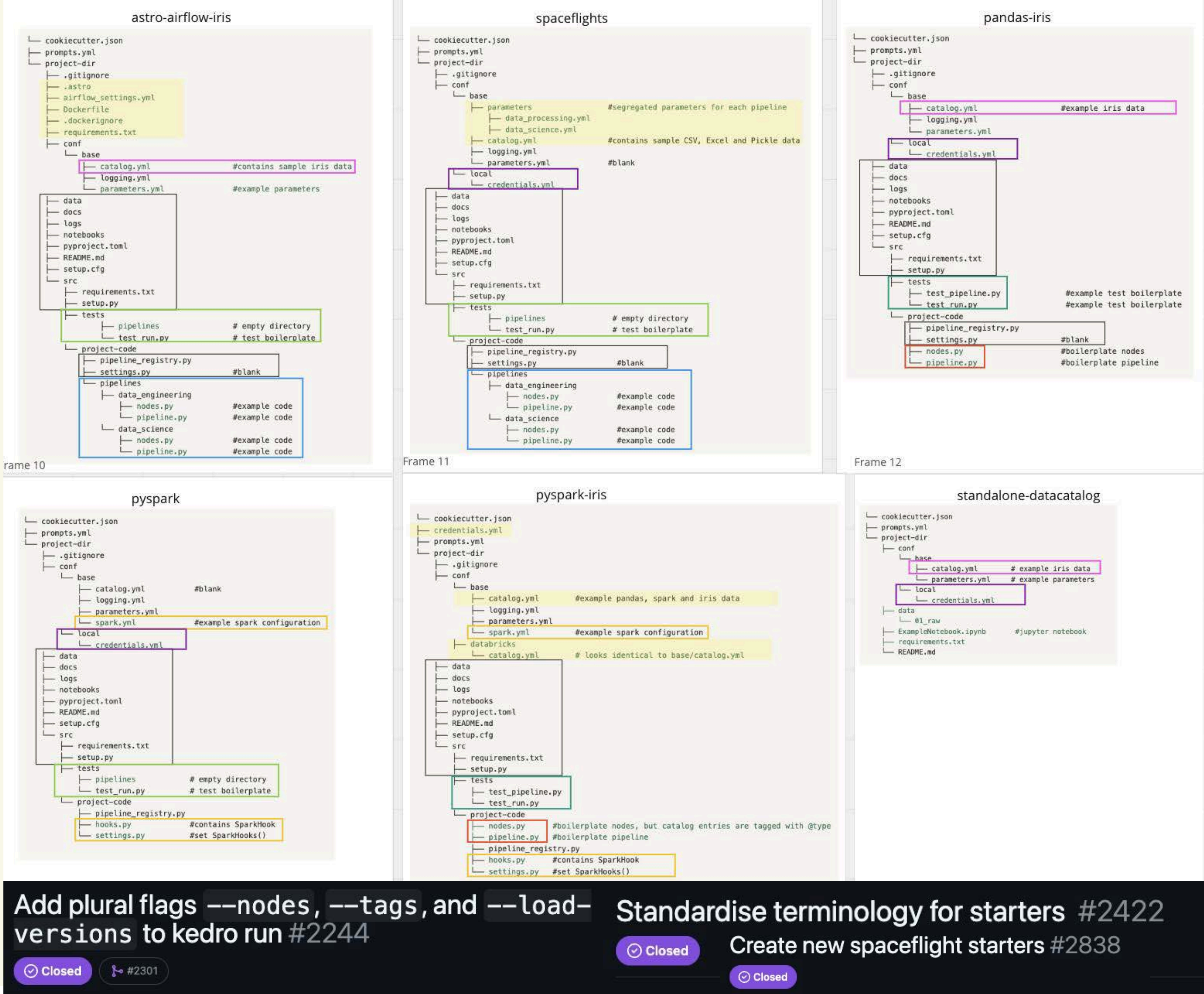
Having started out as an internal tool, and organically growing into an open source framework, there was a lot of technical debt and inconsistencies.

My first project was to investigate:

1. where the framework was currently inconsistent
2. how this should be addressed
3. how to maintain consistency in the long run

Outcomes:

- a **new set of starters** for different integrations that all use the same example pipeline 'spaceflights' as a base
- **team alignment** of the goals of a starter and when we should be creating new ones.
- **new convention for plurals** in CLI flags to mean *accepts multiple arguments*



Driving Adoption

The Problem

Kedro has a **steep learning curve.** For DS/DEs under time pressure, Kedro has a significant learning cost and high risk for few short term returns.

Solution 1: Improving Onboarding

- To tackle high user drop-off at project creation
- To tackle fragmented onboarding journey across different user groups

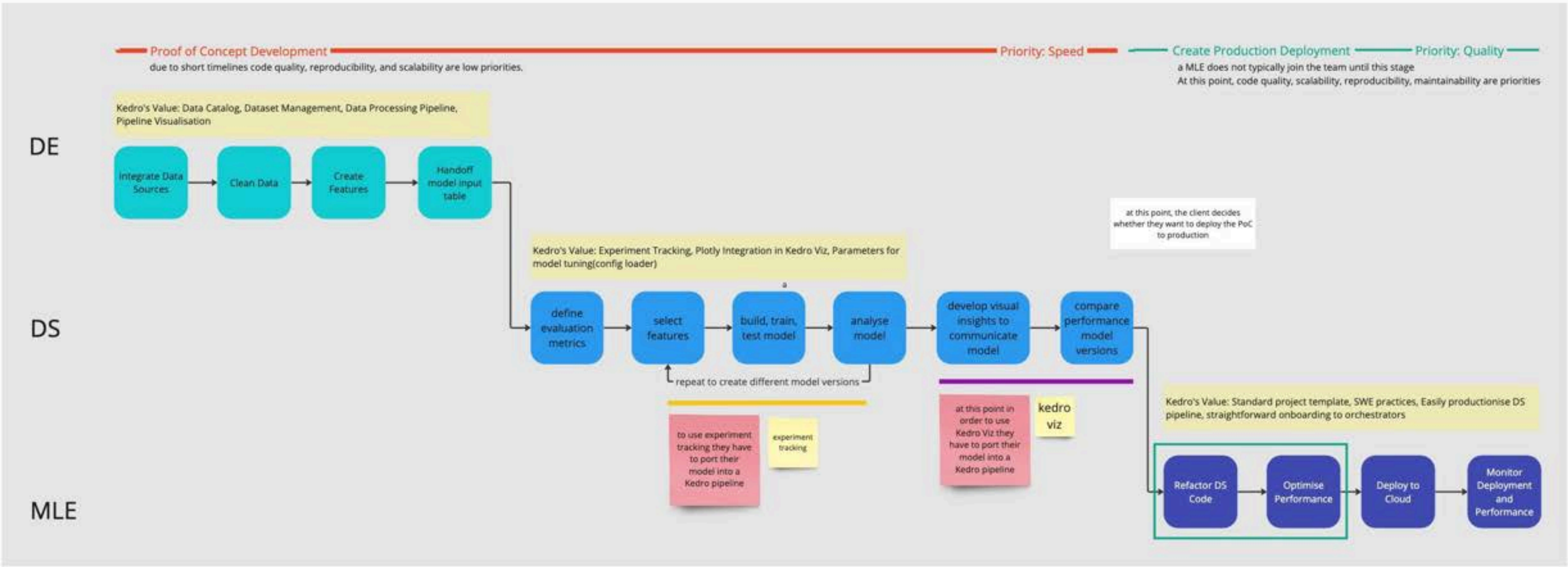
Solution 2: Improve Documentation

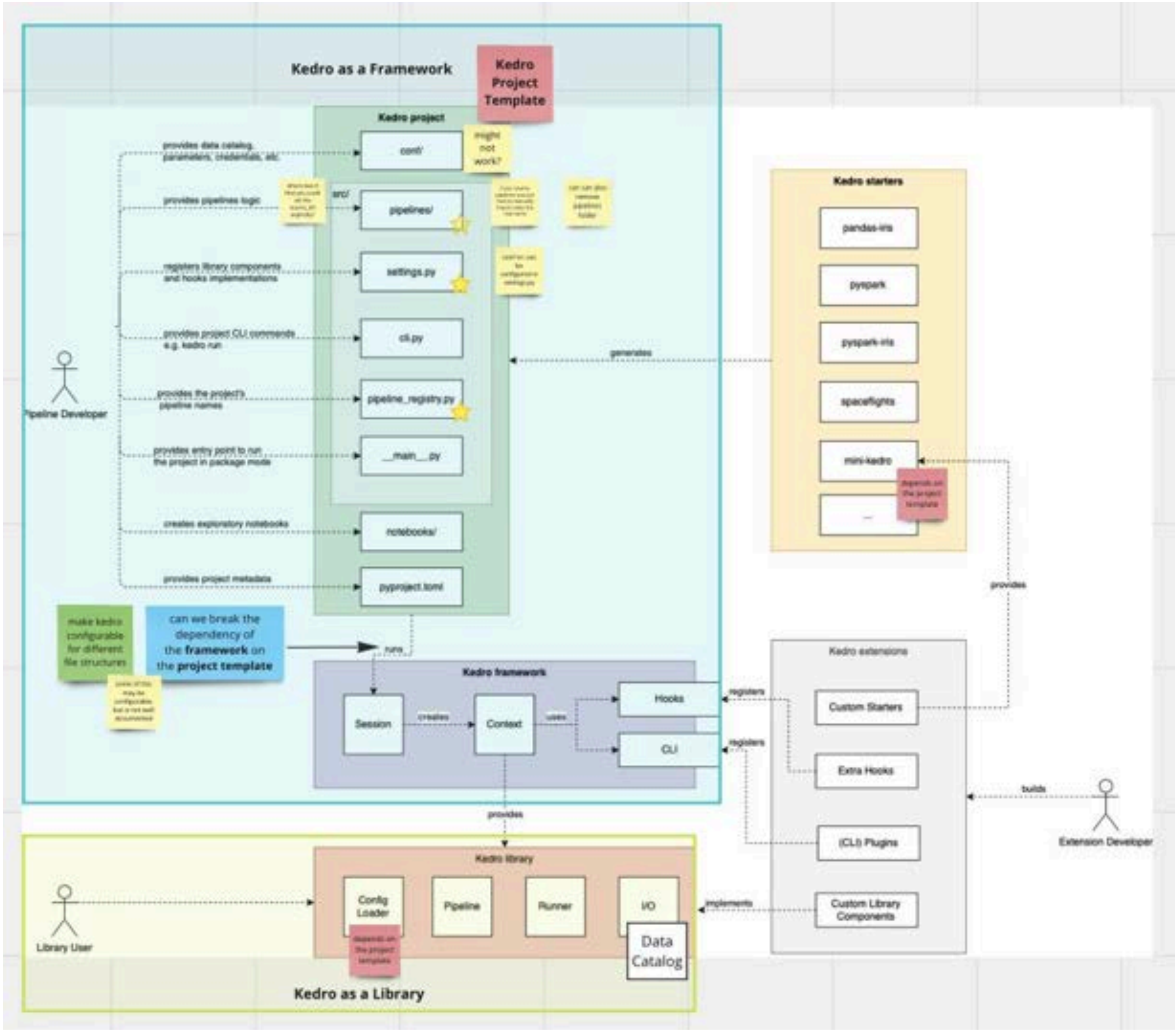
- To tackle drop-off during framework validation

Solution 3: Improving Kedro's UI Experience

- To improve the no-code Kedro experience
- To add features for shareability and explainability

Speed vs Quality: A Compromise





Key User Research Insights:

1. Kedro struggles to meet DS/DE requirements for rapid experimentation at the PoC stage
   a. users feel there are no short term returns for significant learning cost
2. Significant adoption drop off occurs at the point of framework validation
   a. users are risk averse and cannot quickly evaluate Kedro's values

Driving Adoption

Improve Onboarding

Problem: A fragmented Kedro onboarding journey

Users arrive at Kedro in two ways

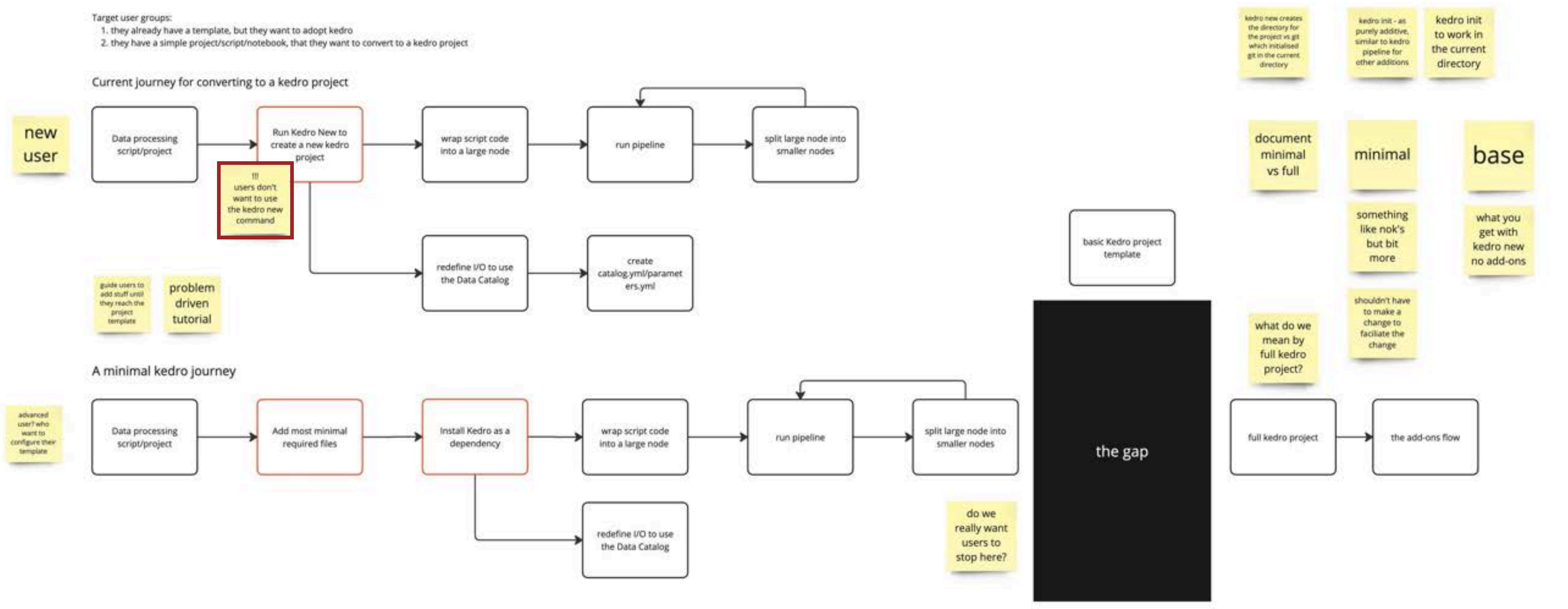
Incremental Kedro	Kedro from the start
1. Using kedro as a library inside a notebook 2. Converting a jupyter notebook	1. Start from a blank project template 2. Start from a starter

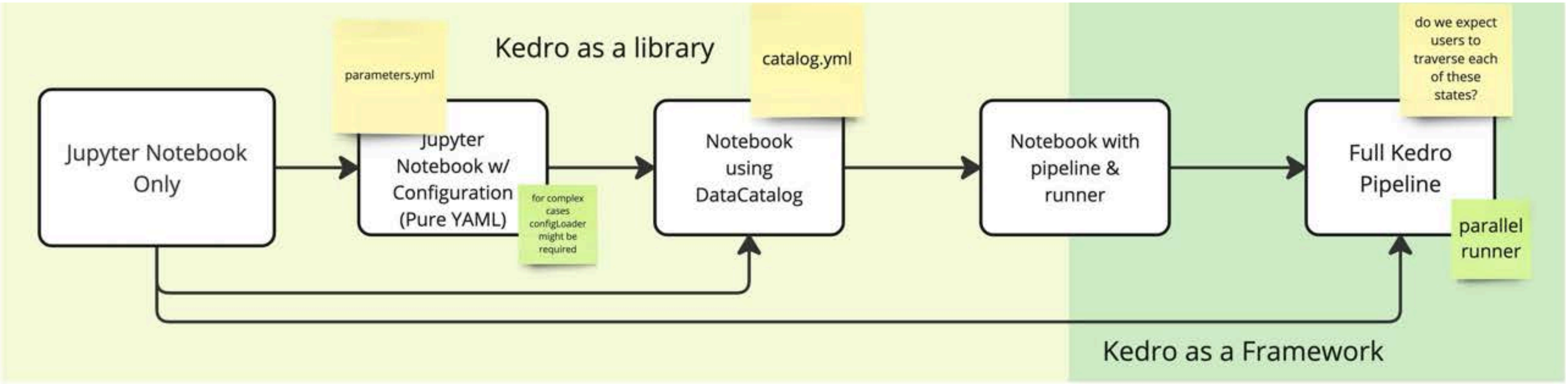
Goal 1a: Minimal Kedro
Allow Kedro to be used as minimally as possible

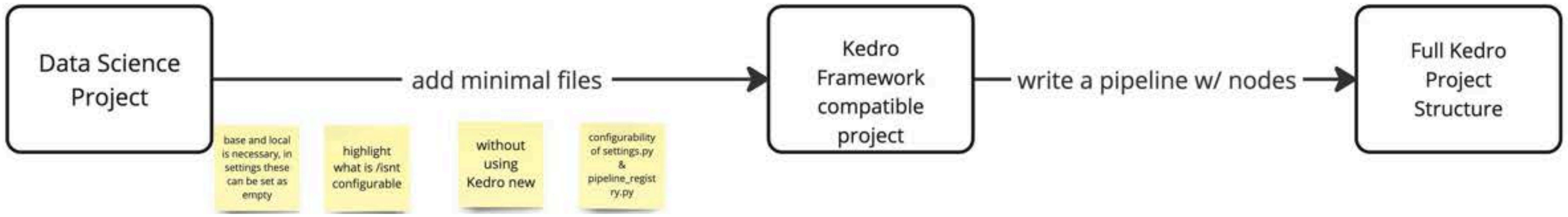
Goal 1b: Incremental Kedro
Allow Kedro to be integrated gradually into an existing project

!!! Would this exacerbate the fragmentation?

Kedro as a library allows users to pick and choose between Kedro features and utility (notably DataCatalog) without needing to use the full framework.



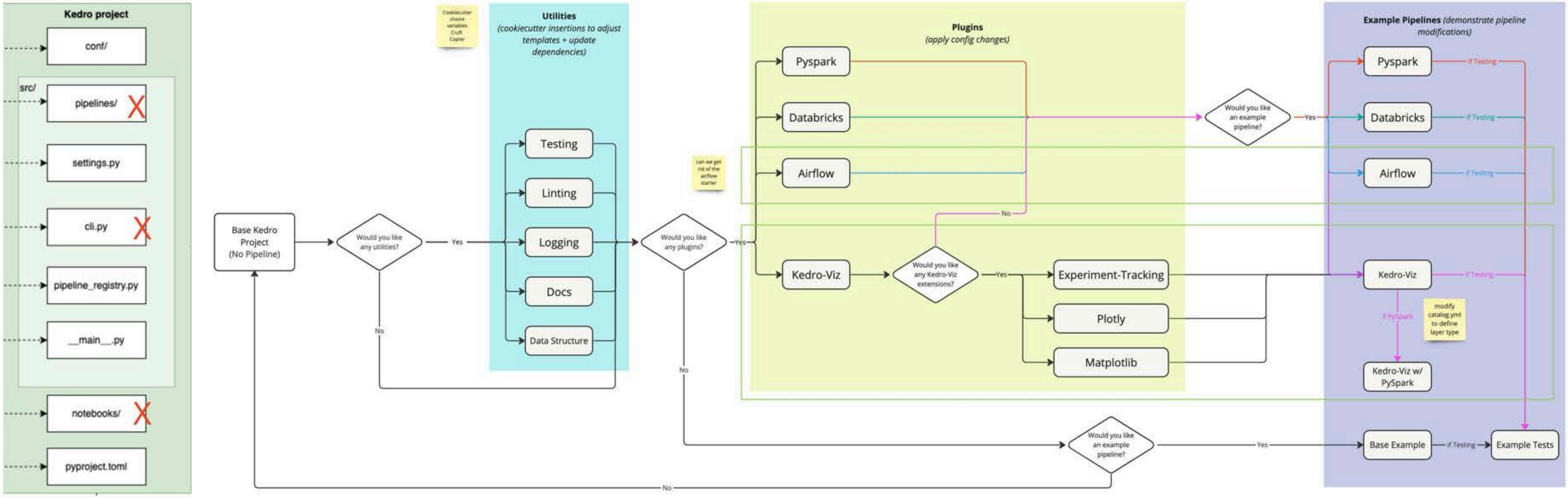




Improve Onboarding

Goal 2: Make Kedro flexible to multiple entry pathways

1. Strip the project template of unused unnecessary or advanced components
2. Create flow for adding in advanced/ custom components
3. Integrate starters selection into this new project creation flow



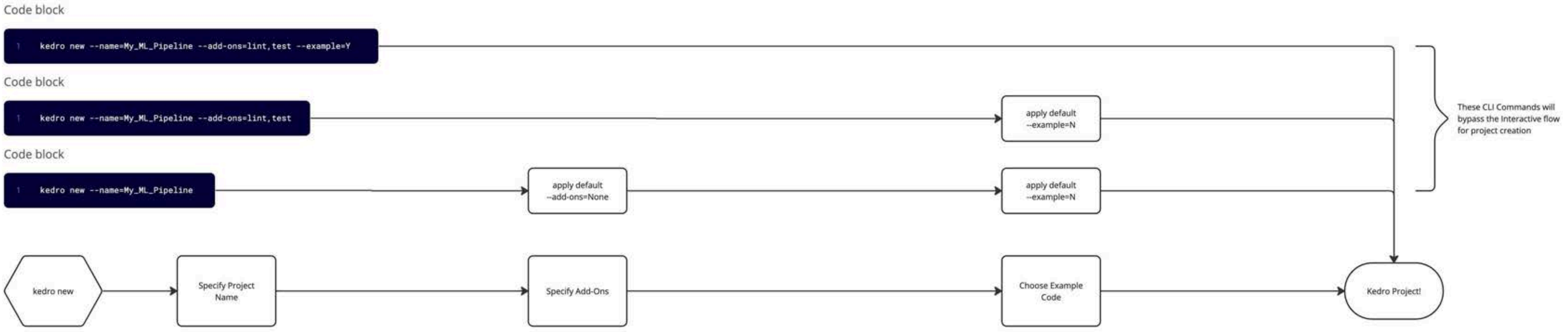
Driving Adoption

Improve Onboarding

The Prototype: A Modular Kedro

The **kedro new** now brings up a creation wizard guiding users through the process of augmenting the base template to suit their needs. Flags can be applied to skip parts of the wizard.

The **kedro new** command now has the optional flags:
--name=<pipeline-name>
--add-ons=lint,test,log,docs,pyspark,kedro-viz
--example=Y/N
--starter=spaceflights-pandas



Code block

```
kedro new
```

Code block

```
Project Name
============
Please enter a human readable name for your new project.
Spaces, hyphens, and underscores are allowed.
To skip this step in future use --name

[New Kedro Project]: My ML pipeline
```

Code block

```
Project Add-Ons
===============
Select which add-ons you'd like to include.
To skip this step in future use --add-ons
To read more about these add-ons and what they do visit: kedro.org/

Add-Ons
1) Lint:         Provides a basic linting set up with Black, Ruff
2) PyTest:         Provides basic testing set up with pytest
3) Log:          Provides more logging options, environment specific,
4) Docs:         Provides basic documentations setup with Sphinx
6) PySpark:      Provides set up configuration for working with PySpark
8) Kedro-Viz:    Provides Kedro's native visualisation tool

Which add-ons would you like to include in your project? [None/1-4/1,3/all]:
```

Code block

```
Example Pipeline
================
Select whether you would like an example spaceflights
pipeline included in your project.
To skip this step in the future use --example=True/False
To read more about how examples work visit: kedro.org/

Would you like to include an example pipeline? [y\n]:
```

The New Starters

- spaceflights-pandas
- spaceflights-pyspark
- spaceflights-pandas-viz
- spaceflights-pyspark-viz

How does it work?

Add-Ons	Corresponding Example Pipeline
1. Lint	1. spaceflights-(pandas/pyspark)
2. Test	2. spaceflights-(pandas/pyspark)
3. Log	3. spaceflights-(pandas/pyspark)
4. Docs	4. spaceflights-(pandas/pyspark)
5. PySpark	5. spaceflights-pyspark
6. Kedro-Viz	6. spaceflights-(pandas/pyspark)-viz

New starters

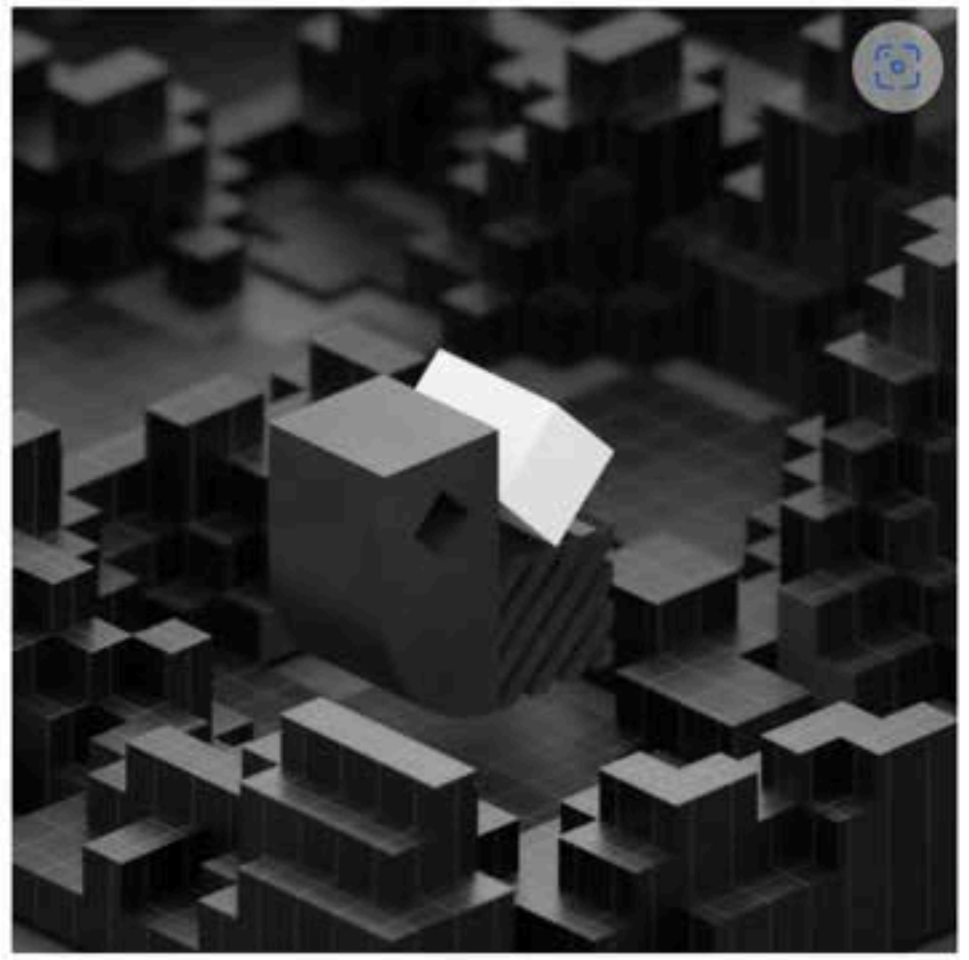
```
kedro new --starter=spaceflights-pandas
```

Code block

```
Congratulations!
Your project My ML Pipeline has been created in
directory /my_ml_pipeline
You selected the following add-ons: Lint, Test
It has been created with an example pipeline.
```

Kedro news — 10 min read

Your new Kedro project. Your way.



We've made changes to Kedro in the new 0.19 release to tackle one of the most commonly perceived pain points. Find out more!

24 Jan 2024 (last updated 28 Jan 2025)

Kedro has a wide range of users, each with different goals and skills. Developing a cohesive tool that caters to all these needs is a challenge, and we've previously received feedback about Kedro that it has a steep learning curve and that it's opinionated or inflexible. In this post we explain how we have made changes to Kedro in the new 0.19 release to tackle one of the most commonly perceived pain points: "There's a lot of boilerplate!"

The Kedro project structure

One of the core value propositions of Kedro is its role as a framework for

Create a new Kedro project using a stepwise interactive flow

In the CLI, navigate to the directory in which you would like to create your new Kedro project, and run the following command: `kedro new`

This will start the new project creation workflow. The first prompt asks you to input a project name.

You are then asked to select which tools to include. Choose from the list using comma separated values `(1,2,4)`, ranges of values `(1-3,5-7)`, a combination of the two `(1,3-5,7)`, or the key words `all` or `none`. Skipping the prompt by entering no value will result in the default selection of `none`. Further information about each of the tools is described in the Kedro documentation that discusses the Kedro tools.

```
Project Tools
=============
These optional tools can help you apply software engineering best practices.
To skip this step in future use --tools
To find out more: <https://docs.kedro.org/en/stable/starters/new_project_tools

Tools
1) Lint: Basic linting with Ruff
2) Test: Basic testing with pytest
3) Log: Additional, environment-specific logging options
4) Docs: A Sphinx documentation setup
5) Data Folder: A folder structure for data management
6) PySpark: Configuration for working with PySpark
7) Kedro-Viz: Kedro's native visualisation tool

Which tools would you like to include in your project? [1-7/1,3/all/none]:
 [none]:
```

Driving Adoption

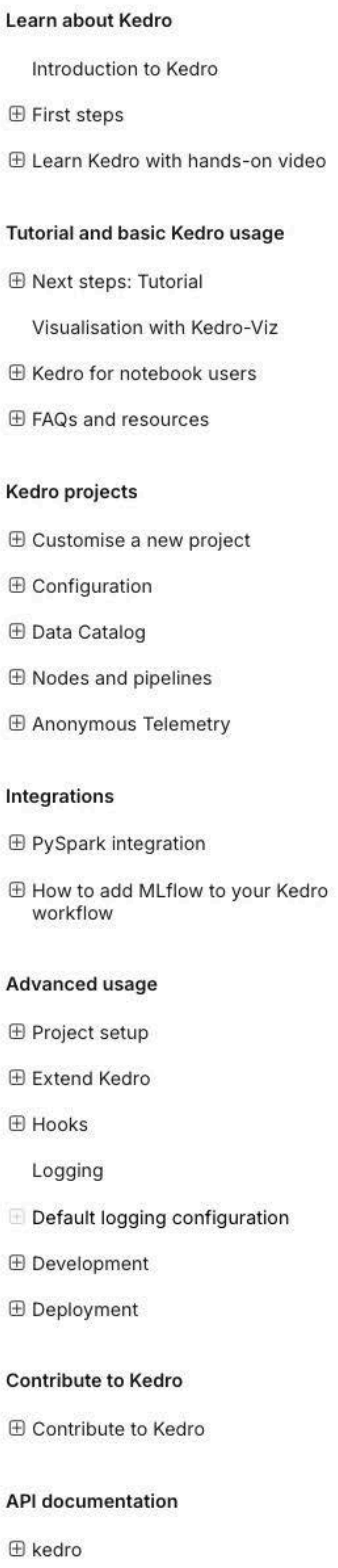
Improving Documentation

Research Insights: Search vs Navigation

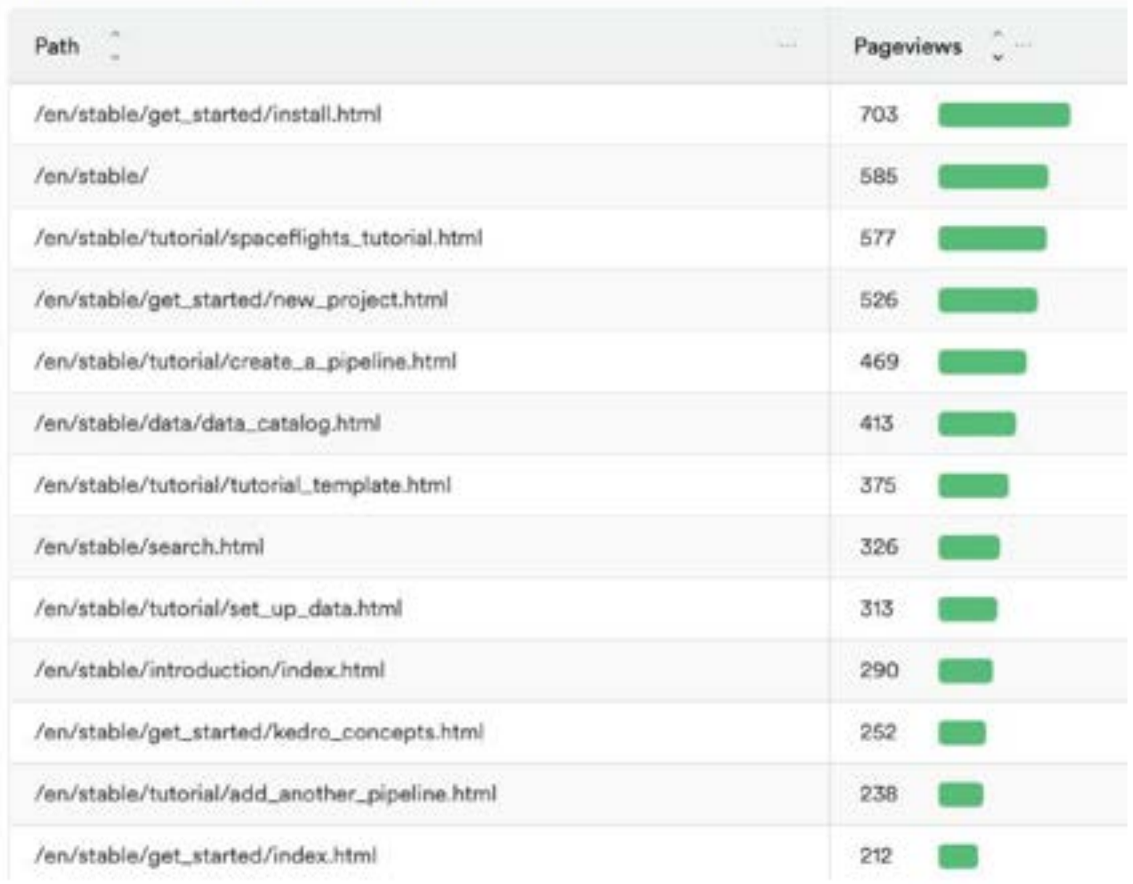
- Telemetry showed that interaction with the navigation bar was **higher** than interaction with in-built search
- **BUT** the 60% of the time people were landing on non "home" pages suggesting that they were coming from google search or direct link.
- **Interviews** showed that users found in-built search hard to use, using google search as a workaround

Actions:

- **Simplify sidebar** to reduce scroll
- **Improve search** functionality
- **Adjusting landing pages and sitemap** based on telemetry on site traffic
- **Standardising language** across documentation written by different people over a number of years.

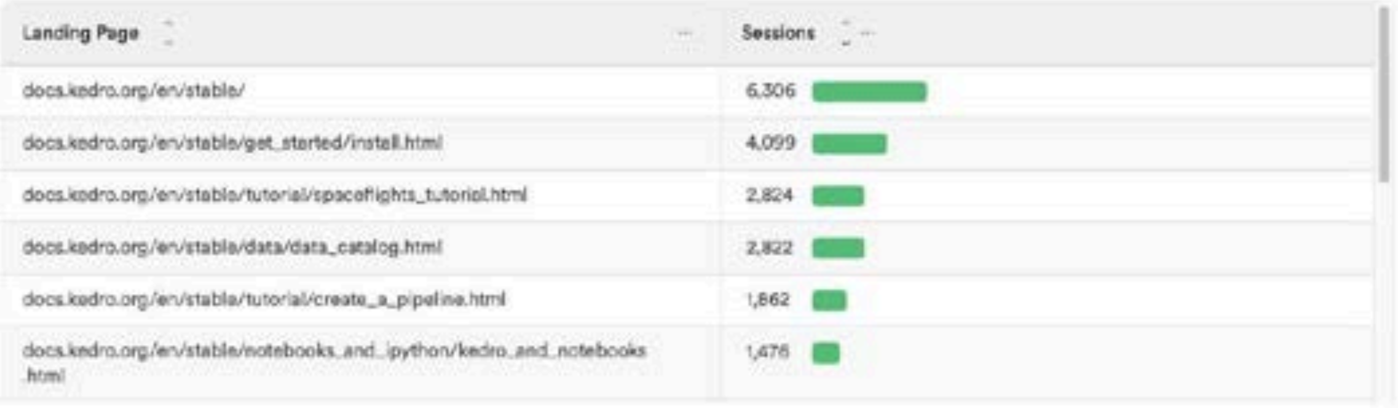


Most Commonly Viewed Pages



Path	Pageviews
/en/stable/get_started/install.html	703
/en/stable/	585
/en/stable/tutorial/spaceflights_tutorial.html	577
/en/stable/get_started/new_project.html	526
/en/stable/tutorial/create_a_pipeline.html	469
/en/stable/data/data_catalog.html	413
/en/stable/tutorial/tutorial_template.html	375
/en/stable/search.html	326
/en/stable/tutorial/set_up_data.html	313
/en/stable/introduction/index.html	290
/en/stable/get_started/kedro_concepts.html	252
/en/stable/tutorial/add_another_pipeline.html	238
/en/stable/get_started/index.html	212

What are our top landing pages?

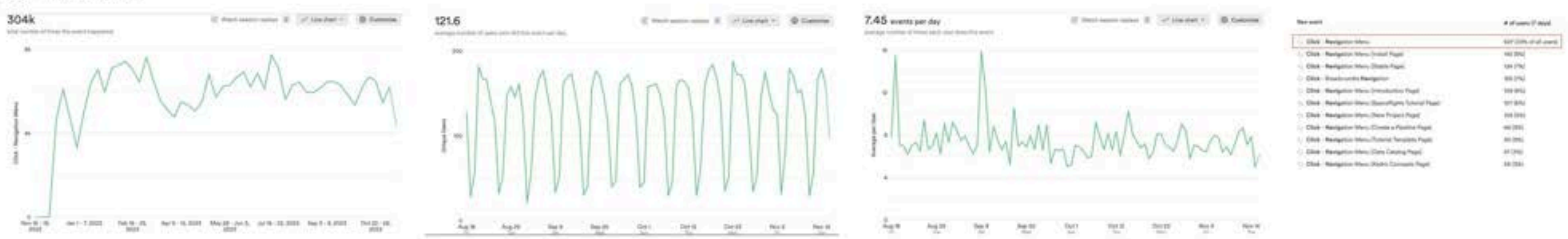


Landing Page	Sessions
docs.kedro.org/en/stable/	6,306
docs.kedro.org/en/stable/get_started/install.html	4,099
docs.kedro.org/en/stable/tutorial/spaceflights_tutorial.html	2,824
docs.kedro.org/en/stable/data/data_catalog.html	2,822
docs.kedro.org/en/stable/tutorial/create_a_pipeline.html	1,862
docs.kedro.org/en/stable/notebooks_and_ipython/kedro_and_notebooks.html	1,476

The Data

Kedro Website to Documentation Interaction

Engagement with the Nav Bar



Engagement with the Search Bar

Driving Adoption

Improving Kedro-Viz

Kedro's pipeline visualisation UI

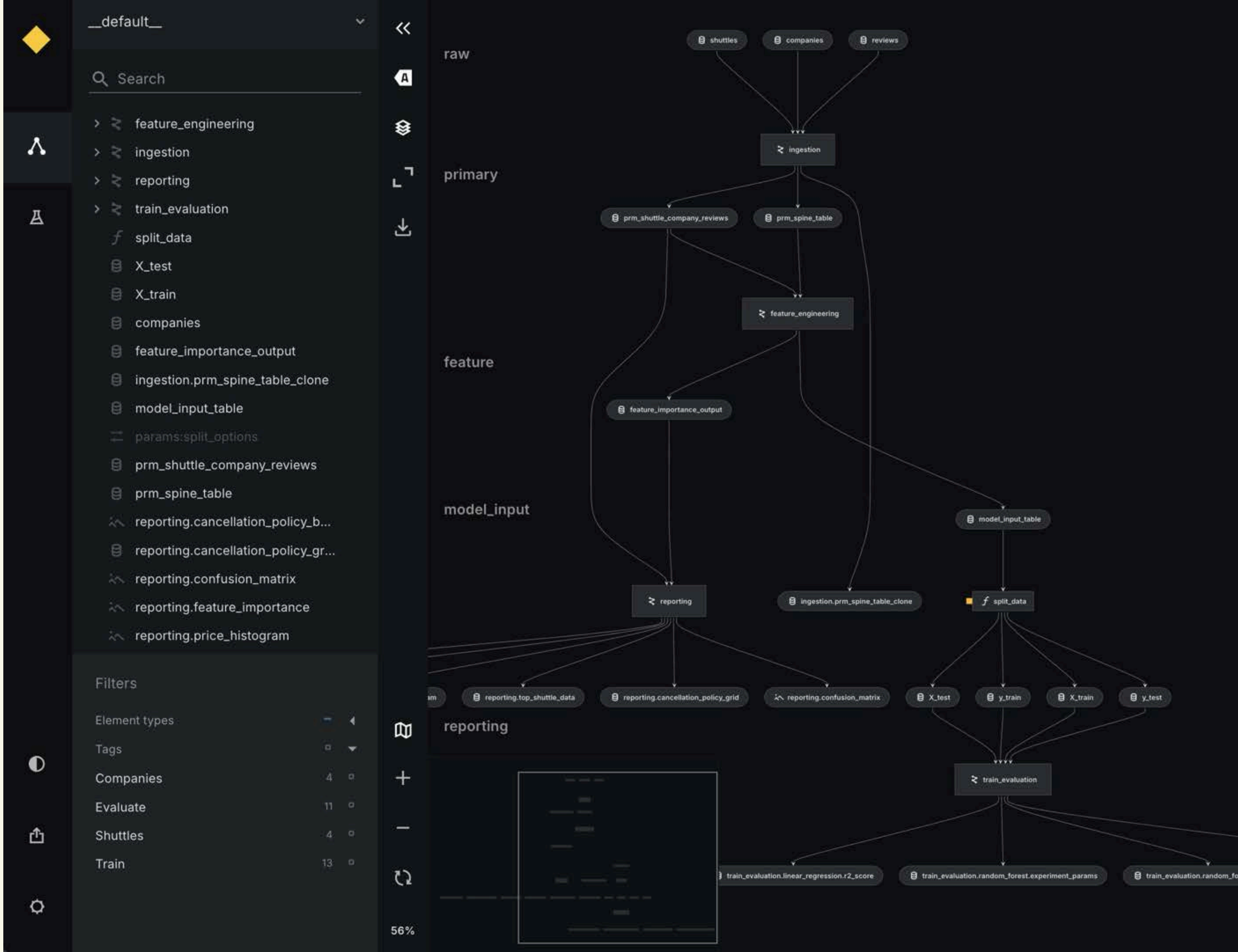
Kedro's pipeline visualisation UI that could be run locally to help users visualise the pipeline they were creating.

The Problem

Kedro-Viz was **difficult to share** with others, users sharing screenshots or walking remote stakeholders through how to pull and build the project just to open Kedro-Viz.

The Solution

Make Kedro-Viz **shareable using a link**, by allowing users to deploy and host their instance of Kedro-Viz using their hosting platform of choice.



Driving Adoption

Improving Kedro-Viz

User Interviews and Surveys

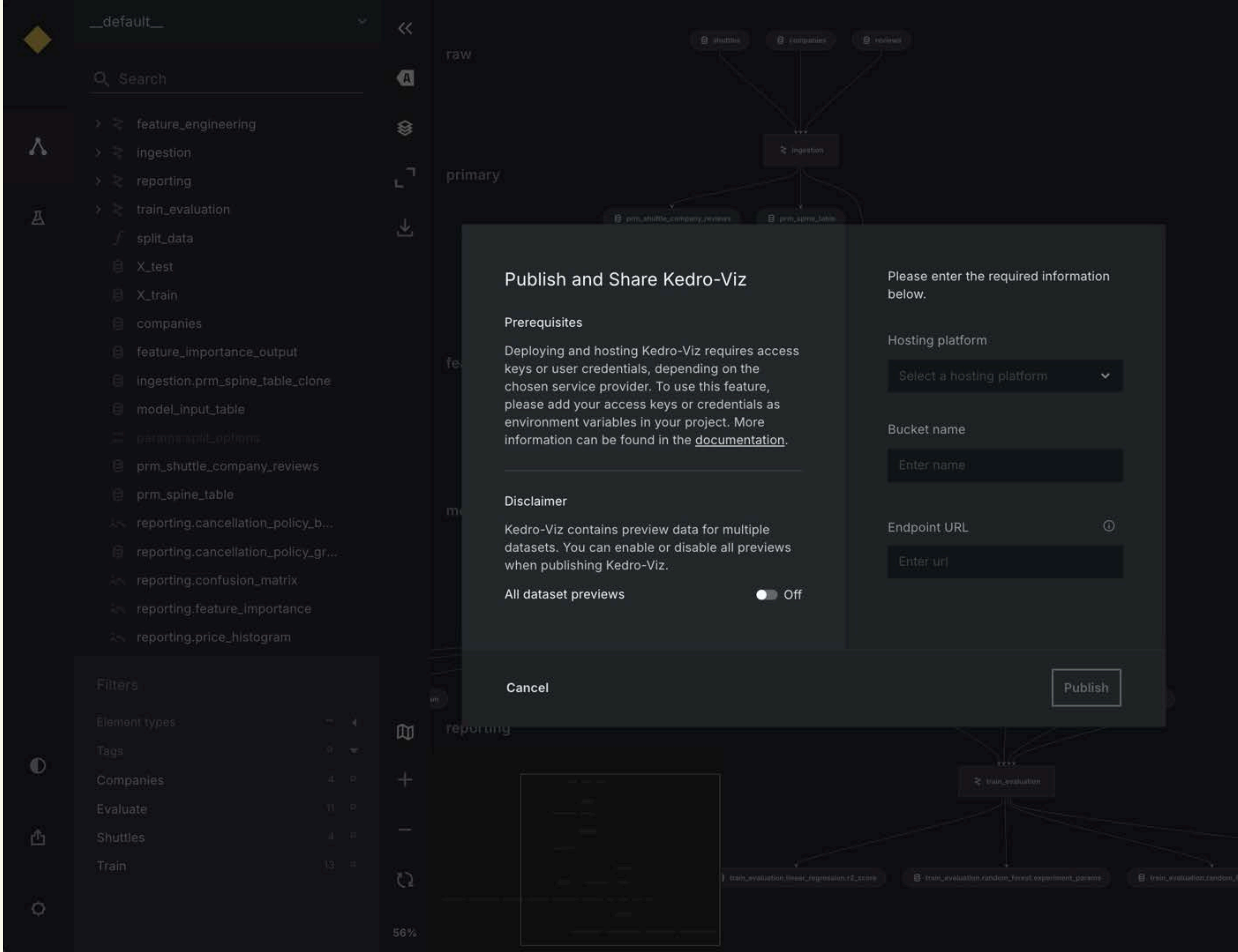
- Uncovered issue with users needing specific credentials to host
- Used to identify which hosting platforms to support first (prioritise)

Journey Mapping

- In collaboration with devs, mapped the different steps a users needed to take to deploy Kedro-Viz.
- Identify UI touchpoints and requirements

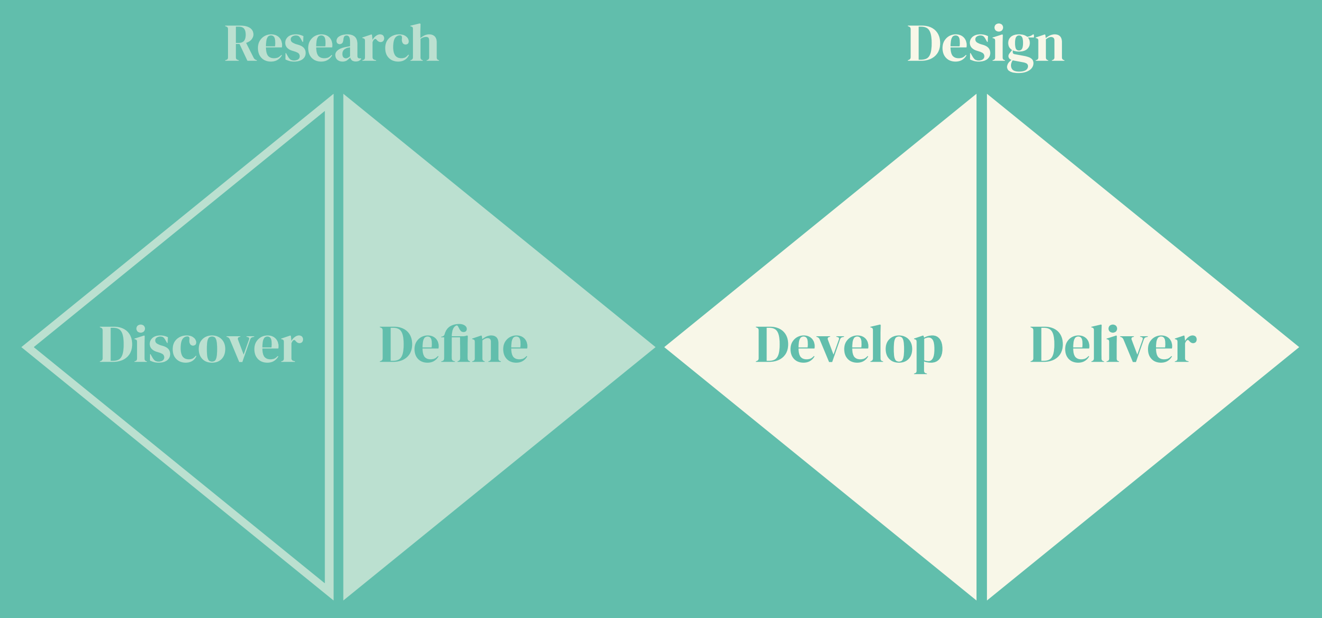
UI Design

- Used existing component library
- Developed options for the UI flow
- Wizard, Modal, Menu, Walkthrough etc
- Options for discoverability



3/ Performant, real time web UIs for traders

I joined Maven Securities as their first product designer.
I lead the design on a greenfield project to built out an internal trading platform



What is it?

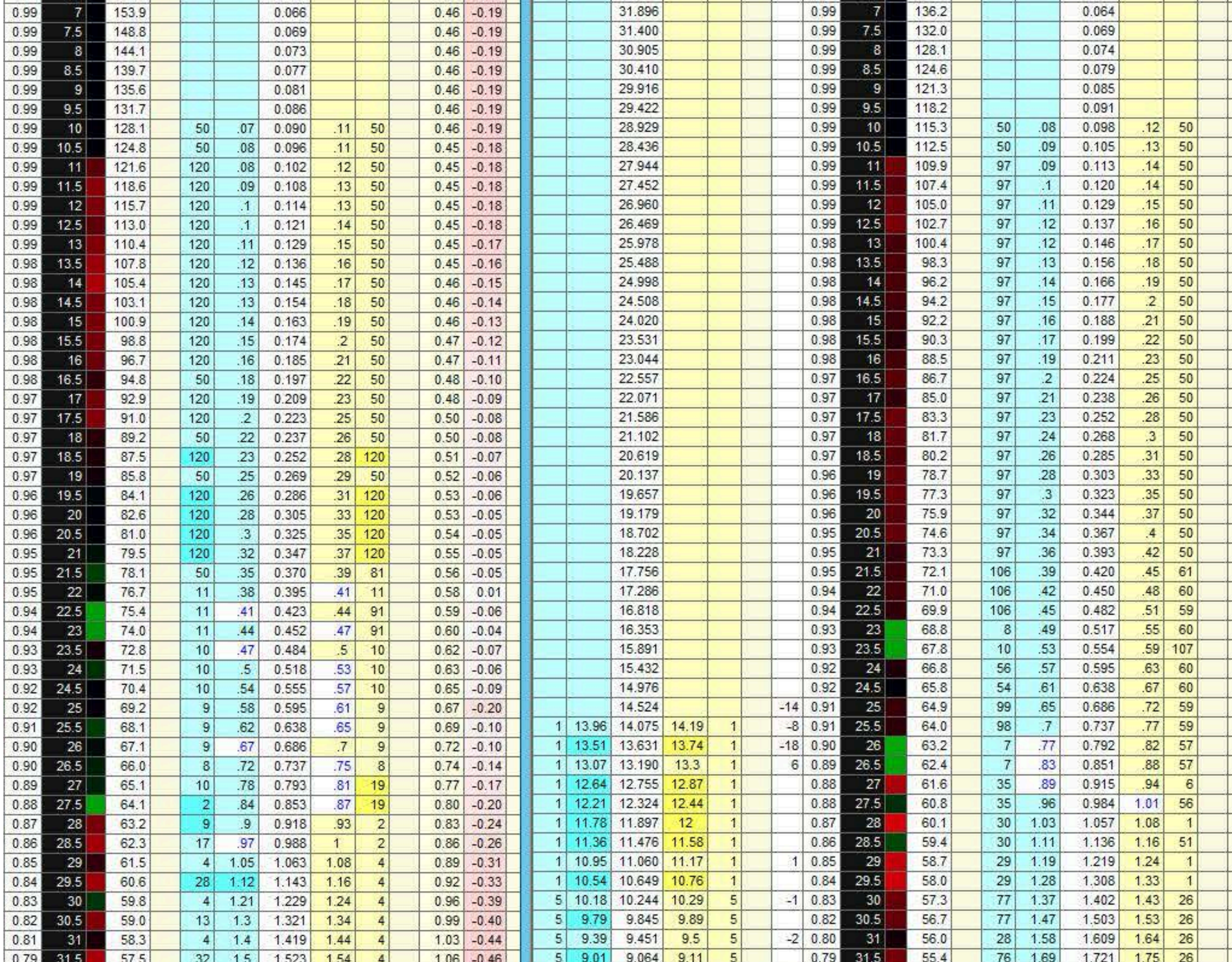
A **data-heavy** application used to:

- buy/sell stock options
- monitor the stock market
- monitor the state of company trading infrastructure i.e. what trading algorithms are running

Why build it?

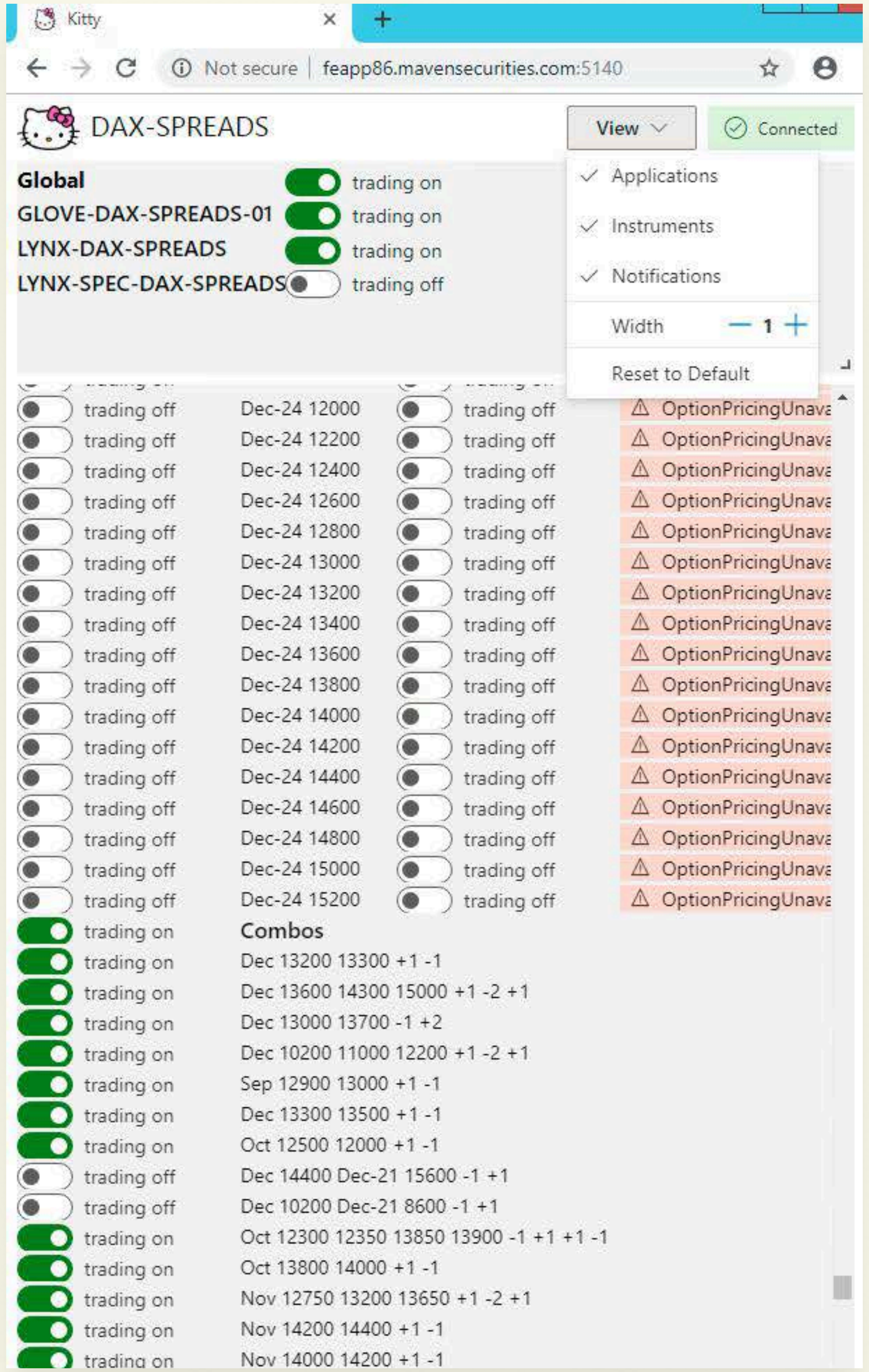
Status Quo: Third party solution, popular amongst trading firms

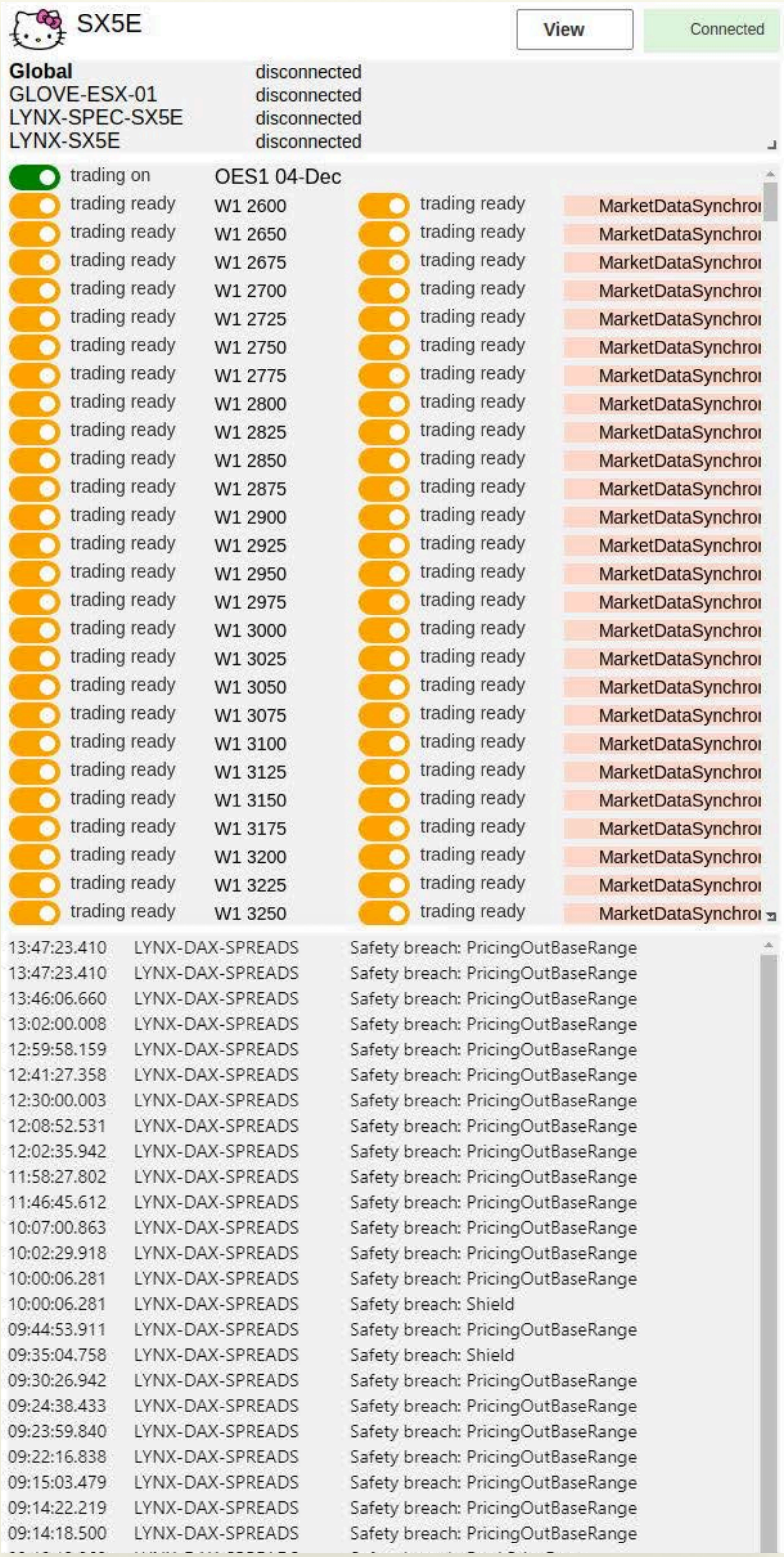
Vision: In-house version that better caters to specific needs and integrated with company systems



Where it started

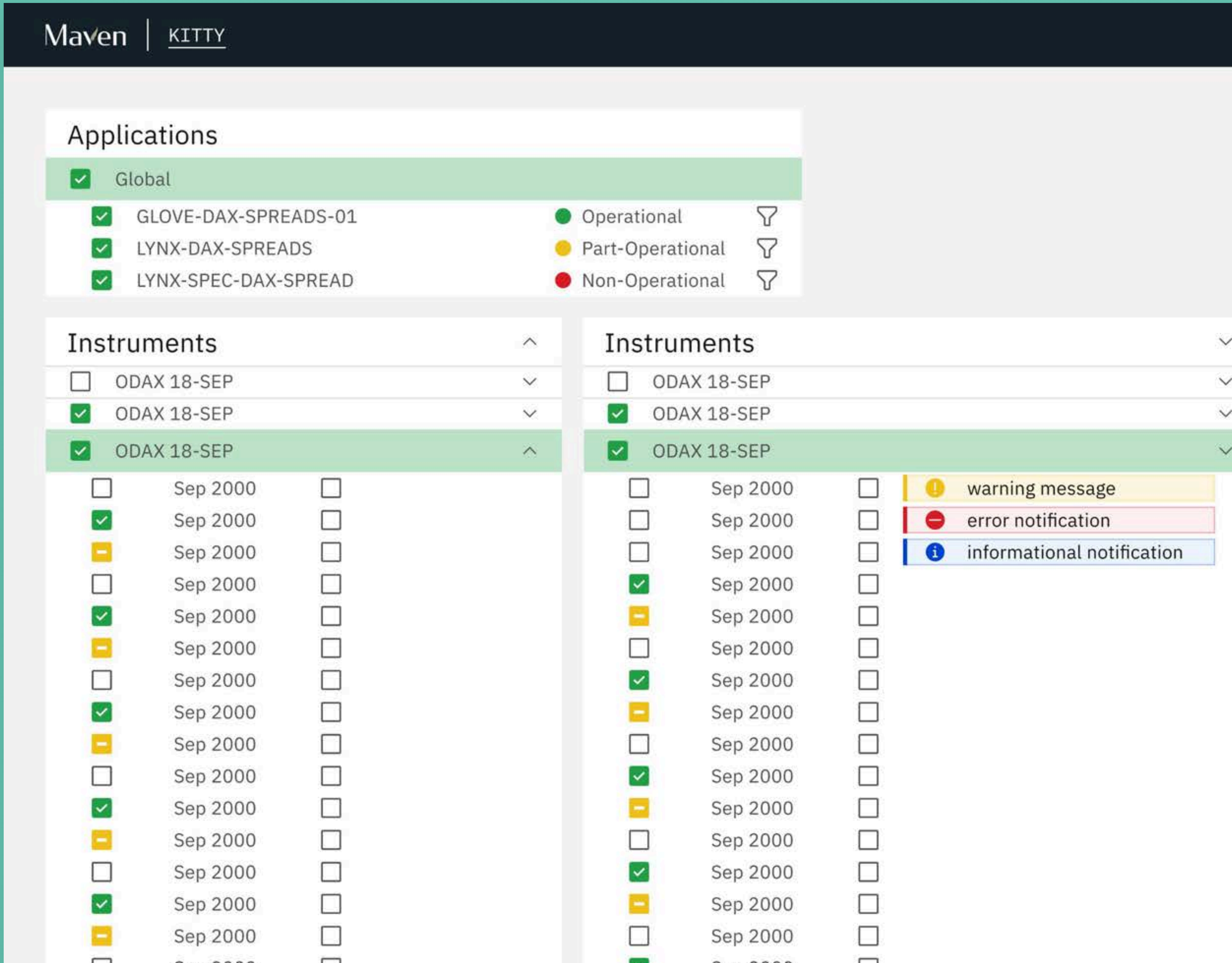
- A basic prototype built with Fluent UI components
- Only supported 1 key function





First Steps

- Understand how third-party solution works, what it does and how its used
- **Shadow and Interview** traders to understand their regular workflows
- Redesign prototype to validate impact of design improvements
- Extend design to include new features



Then I got some *Unconventional* Feedback

Interactions must be fast **BUT** minimise human error

"I want to perform any action in under 2 clicks"

"I can't do anything by mistake, but checking is too slow"

Whitespace is the enemy

"Everything is too far apart, I want to see as much information as possible onscreen"

Traders want to be expert users

"I will memorise shortcuts and hotkeys to increase efficiency"

"I know that menu exists, there's no need for a button"

Usability ≠ Easy to use

"Good traders need good eyesight, make the font smaller"

"Some things shouldn't be easy to do, we want to encourage thinking"

Re-evaluating my approach

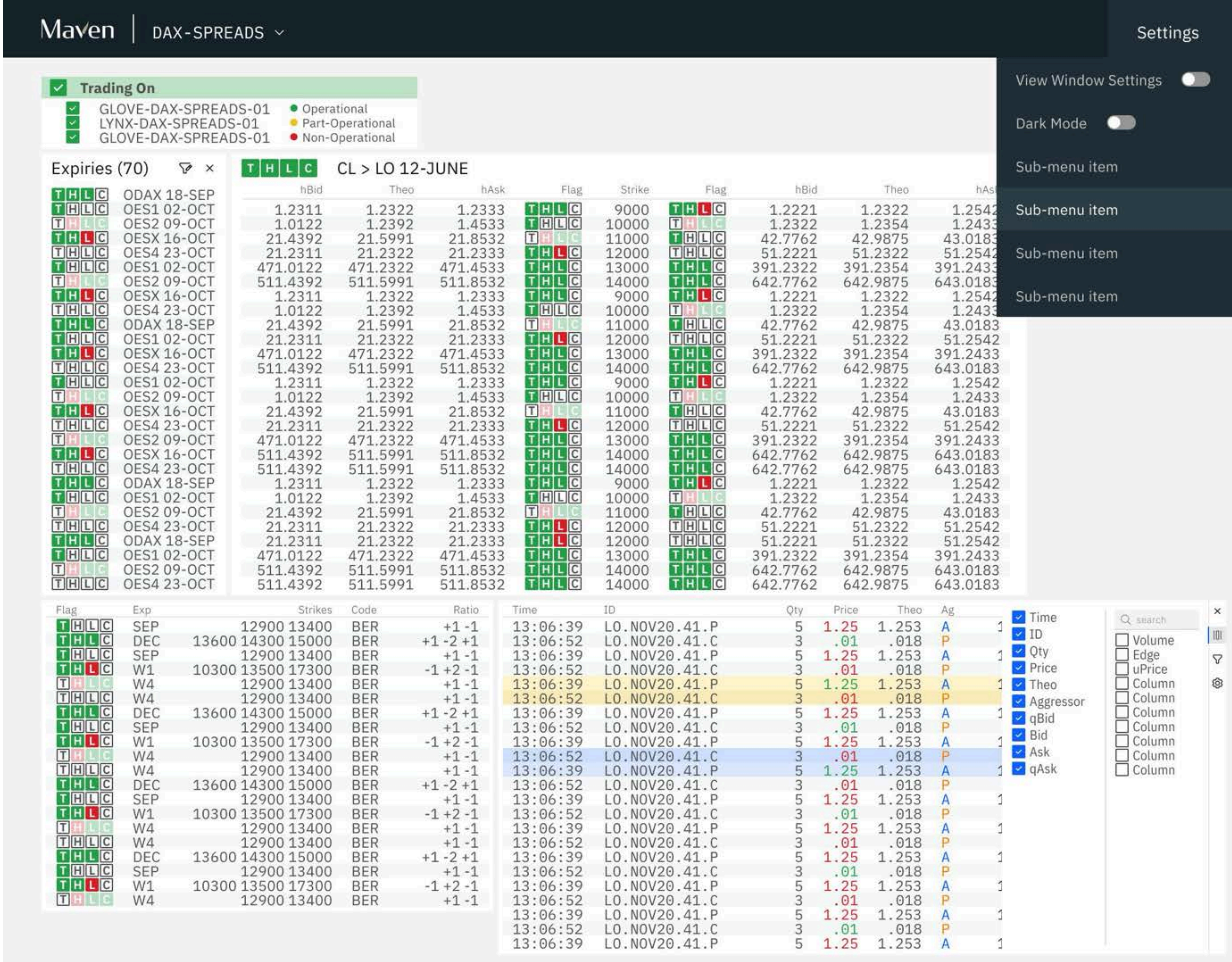
Immersing myself into trader workflows, I summarised the traders' priorities as:

1/ Condensed
2/ Fast
3/ Reliable

These 3 principles were the focus of my designs and I had to ensure they were always addressed

Key design choices

- monospaced font for numbers
- condensed rows with odd row highlights
- reduce visual clutter i.e. line separators
- prioritise information over context



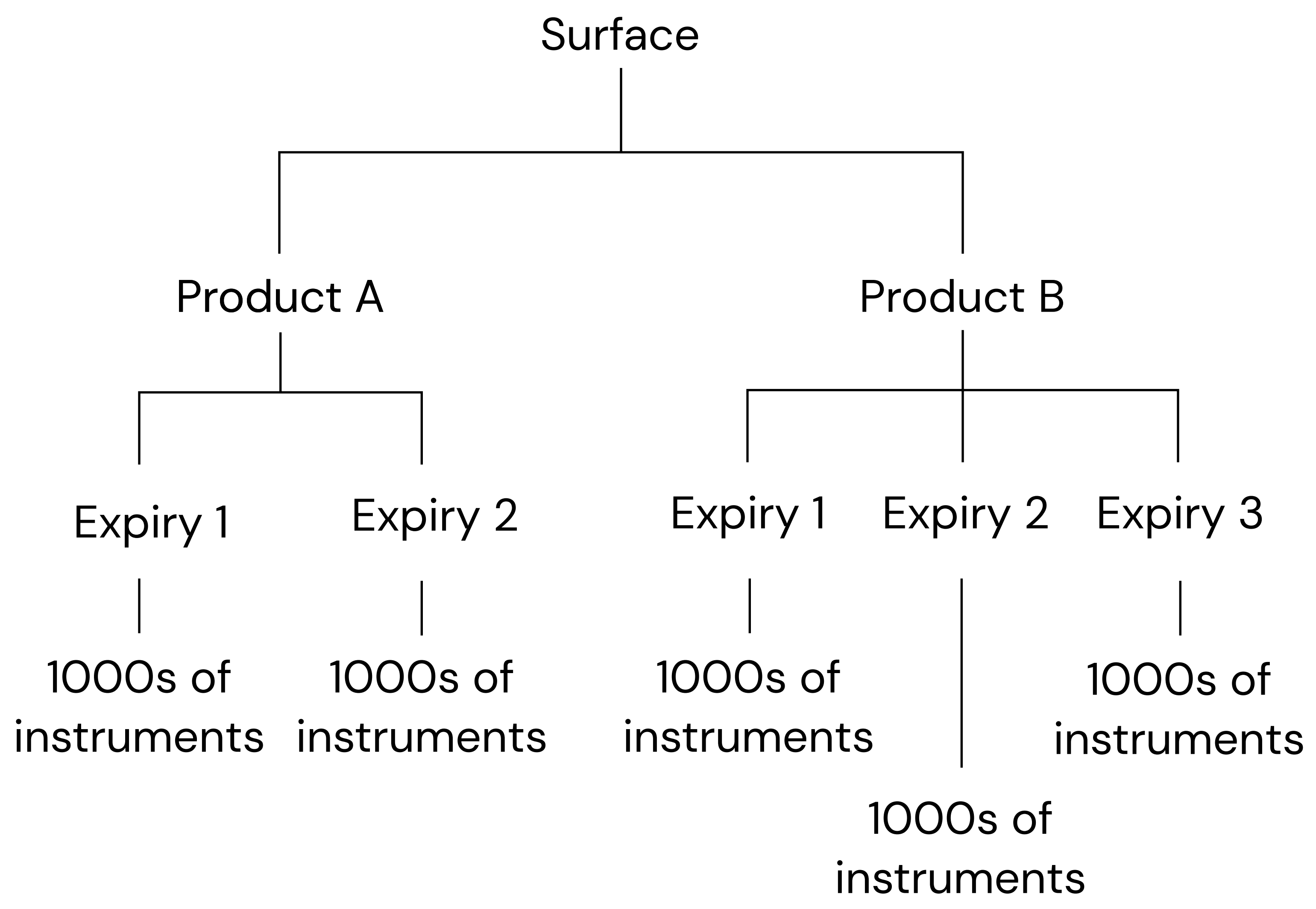
An example

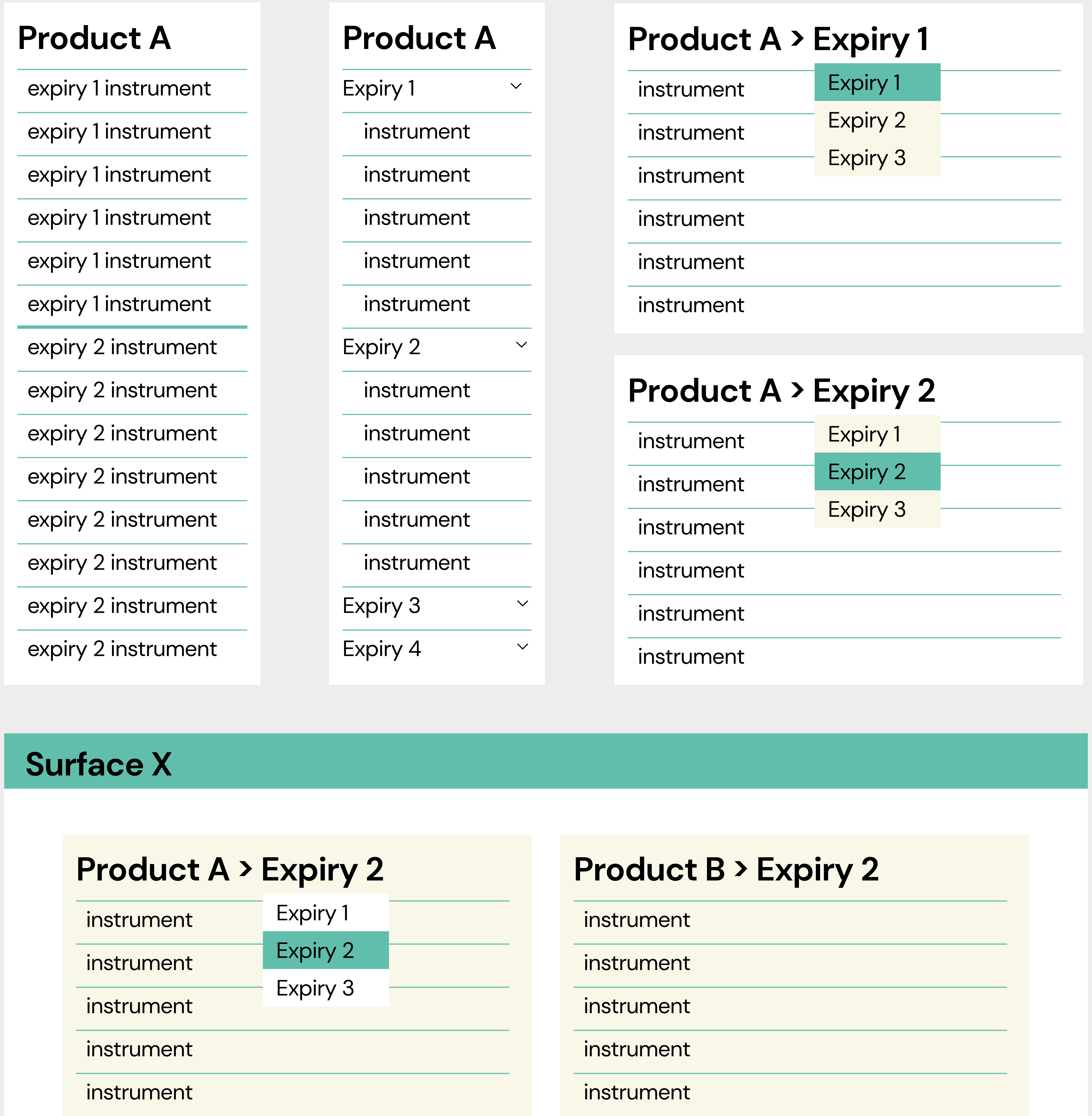
I found their tables displayed hierarchical data in an inconvenient way because traders had said they wanted to “see everything at once”.

Instead I proposed a solution that involved more clicks, but demonstrably sped up interaction time for the basic tasks they wanted to do.

The concepts

Each instance of the UI displayed the data for 1 surface. 1 team = 1 surface.





What it looks like now

The first release of the UI is now live. Features include:

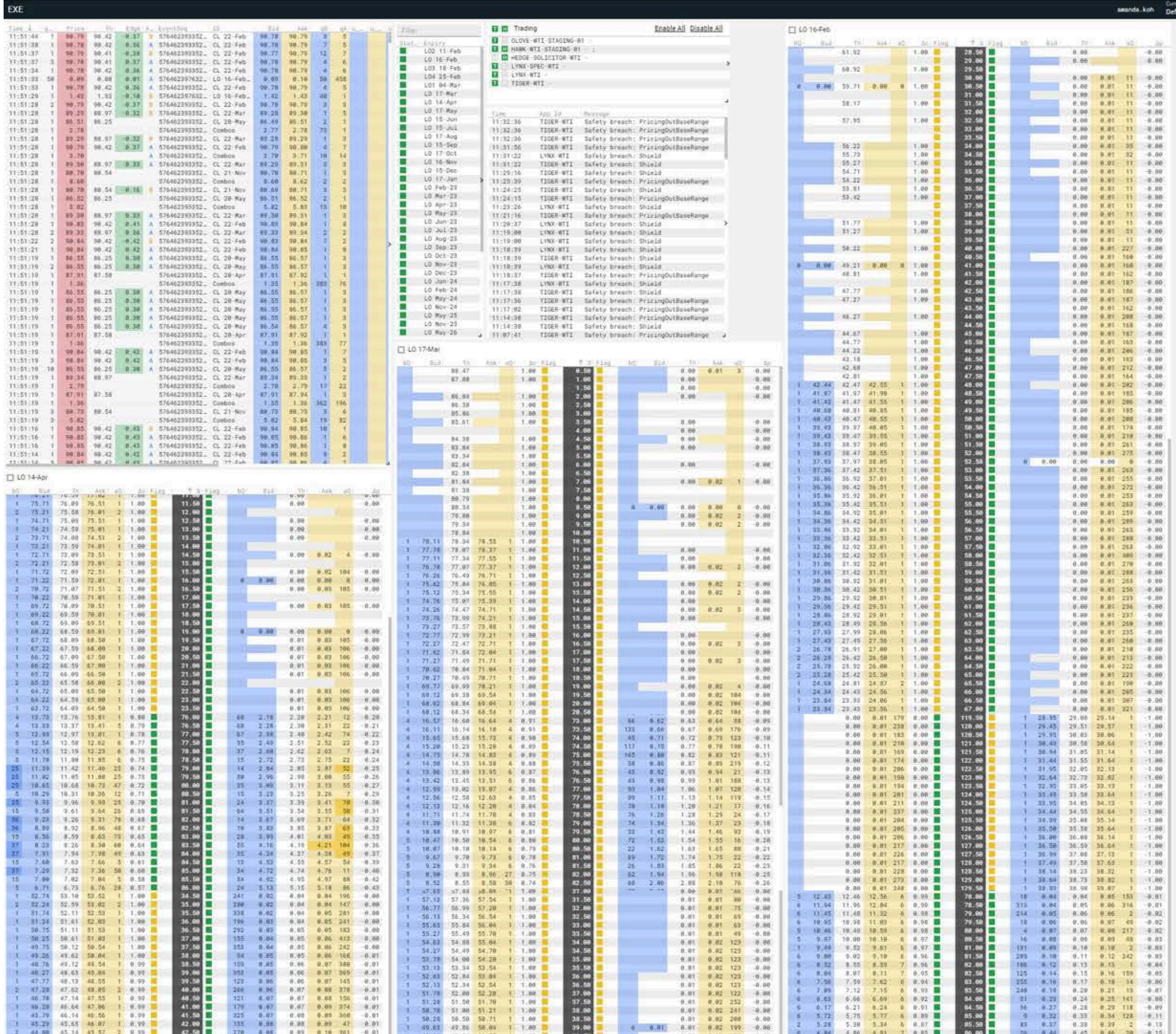
- window/workspace management
- customisable tables and layout saving to allow the fast adjustment of data being viewed.
- live data and status updates
- dynamic highlighting

Addressing Performance

One of the biggest challenges after the initial concept development and design was the adjustments that needed to be made to accomodate or improve performance concerns.

Key considerations:

- adjusting the update/refresh rate
- number of visible windows
- balancing trader's expectations



Other Contributions

Creating consistency

Introduced concept of company-wide component library to encourage consistency across internal applications

Technical contribution

Participate in decision-making about the tech stack, library choice, testing and validation.

Consolidating standards

Defined conventions for displaying data in certain formats and colours.

Prototyping with code

Build out prototypes in React to demonstrate basic functionality with real data. Apply style to features build by other front-end developer

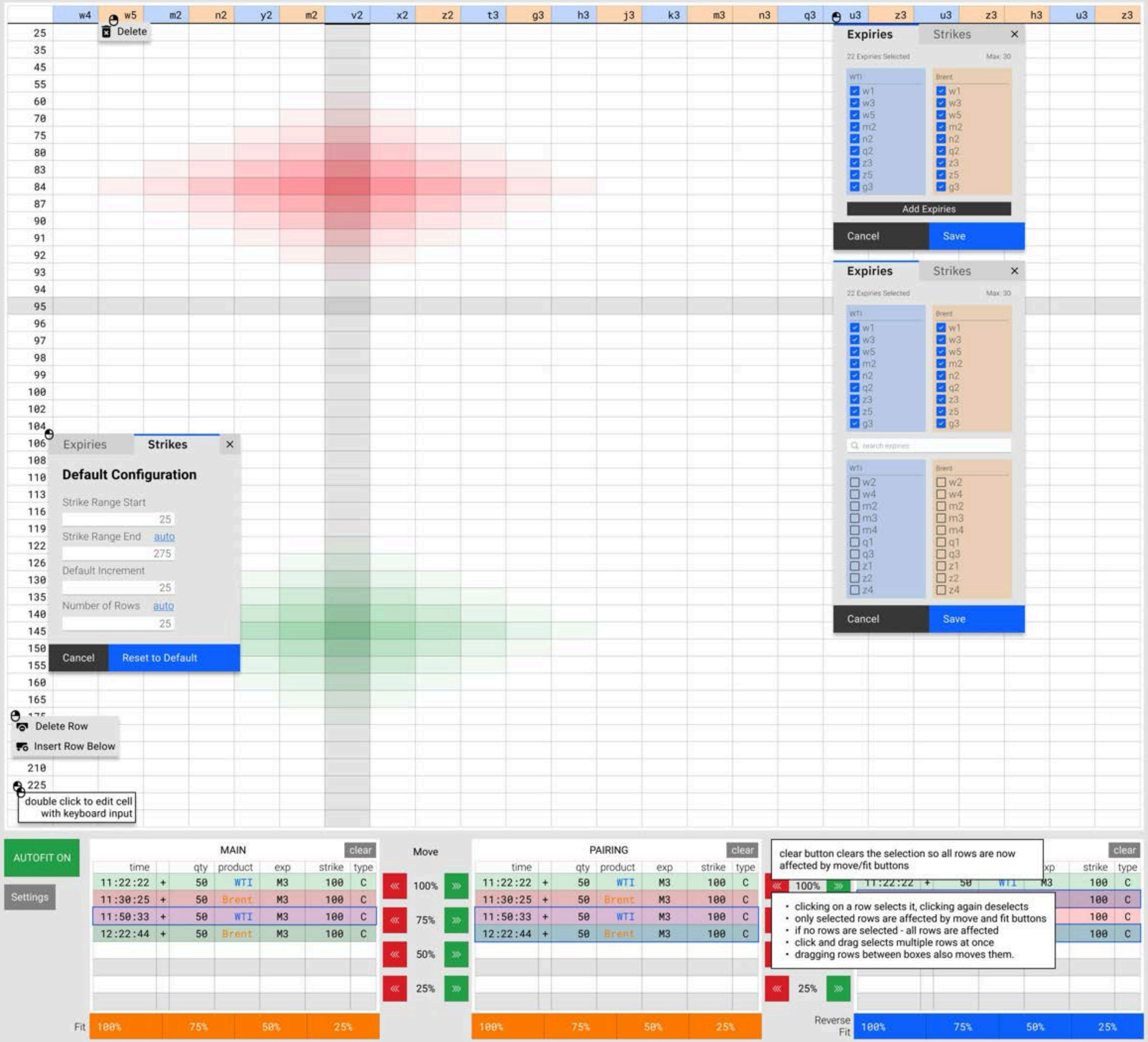
The Design System makes the rounds

Having established a new design system for the EXE UI project. I started to roll out the design system on all new UI projects I worked on. The idea was to continue to grow the component library, while bringing visibility to its utility.

Communicating Interaction

The interactions in trading UIs were often very specific, with many 'hidden' functionalities. Communicating these UI requirements piecemeal to the dev team was often a challenge.

- Interactive Prototypes
- Annotated Wireframes



Create New Shape

Brent Weighted Vol	−	0	+
Weighted Vol	−	0	+
Weighted Vol	−	0	+
Weighted Vol	−	0	+
Weighted Vol	−	0	+
Weighted Vol	−	0	+
Weighted Vol	−	0	+
Weighted Vol	−	0	+
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Weighted Vol	−	0	+
Weighted Vol	−	0	+
Weighted Vol	−	0	+
Weighted Vol	−	0	+
Weighted Vol	−	0	+

Submit Changes

Reset All Values

Proposed Fit Change

	n1	n2	n3	n4	n5
vol					
skew			####		
kurt					
cs					
ps					

Current Fit

	n1	n2	n3	n4	n5
vol	####	####	####	####	####
skew	####	####	####	####	####
kurt	####	####	####	####	####
cs	####	####	####	####	####
ps	####	####	####	####	####

Current Risk

	n1	n2	n3	n4	n5
vol	####	####	####	####	####
skew	####	####	####	####	####
kurt	####	####	####	####	####
cs	####	####	####	####	####
ps	####	####	####	####	####

Proposed Fit Change

	n1	n2	n3	n4	n5
vol					
skew			####		
kurt					
cs					
ps					

Current Fit

	n1	n2	n3	n4	n5
vol	####	####	####	####	####
skew	####	####	####	####	####
kurt	####	####	####	####	####
cs	####	####	####	####	####
ps	####	####	####	####	####

Current Risk

	n1	n2	n3	n4	n5
vol	####	####	####	####	####
skew	####	####	####	####	####
kurt	####	####	####	####	####
cs	####	####	####	####	####

	w4	w5	m2	n2	y2	m2	v2	x2	z2	t3	g3	h3	j3	k3	m3	n3	q3	u3	z3	u3	z3	h3	u3	z3
vol																								
skew																								
kurt																								
cs																								
ps																								

	w4	w5	m2	n2	y2	m2	v2	x2	z2	t3	g3	h3	j3	k3	m3	n3	q3	u3	z3	u3	z3	h3	u3	z3
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Create New Shape
Brent Weighted Vol
Weighted Vol
Weighted Vol
Weighted Vol
Create New Shape
Name
Some New Shape
Edit Shape
Name
Weight Vol
n1 n2 n3 n4 n5
vol
skew
kurt
cs
ps
####
Cancel
Save
Risk
Proposed Fit Change
Current Fit
Current Risk
vol
skew
kurt
double click
to edit cell
click to show weightings view
click to show param overrides
w4 w5 m2 n2 y2 m2 v2 x2 z2 t3 g3 h3 j3 k3 m3 n3 q3 u3 z3 u3
n1 0.01 0.98 0.36
n2 0.02 0.63 0.25
n3 0.01 0.65 0.39 0.05
n4 0.10 0.60 0.76 0.24 0.04
0.01 0.19 0.76 0.96 0.93 0.76 0.38 0.10
Delete
25 35 45 55 60 70 75 80 83 84 87 90 91 92 93 94 95
130 135 140 145 160 165 175 185 195
Expiries
Strikes
Default Configuration
Strike Range Start
25
Strike Range End
auto
275
Default Increment
25
Number of Rows
auto
25
Cancel
Reset to Default
Delete Row
Insert Row Below
double click
to edit cell
Expiries
Strikes
22 Expiries Selected
Max: 30
Surface 1
Surface 2
w1 w3 w5 m2 n2 q2 z3 z5 g3
Add Expiries
Cancel
Save
search expiries
w2 w4 m2 m3 m4 q1 q3 z1 z2 z4
Cancel
Save

Trading by Tablet

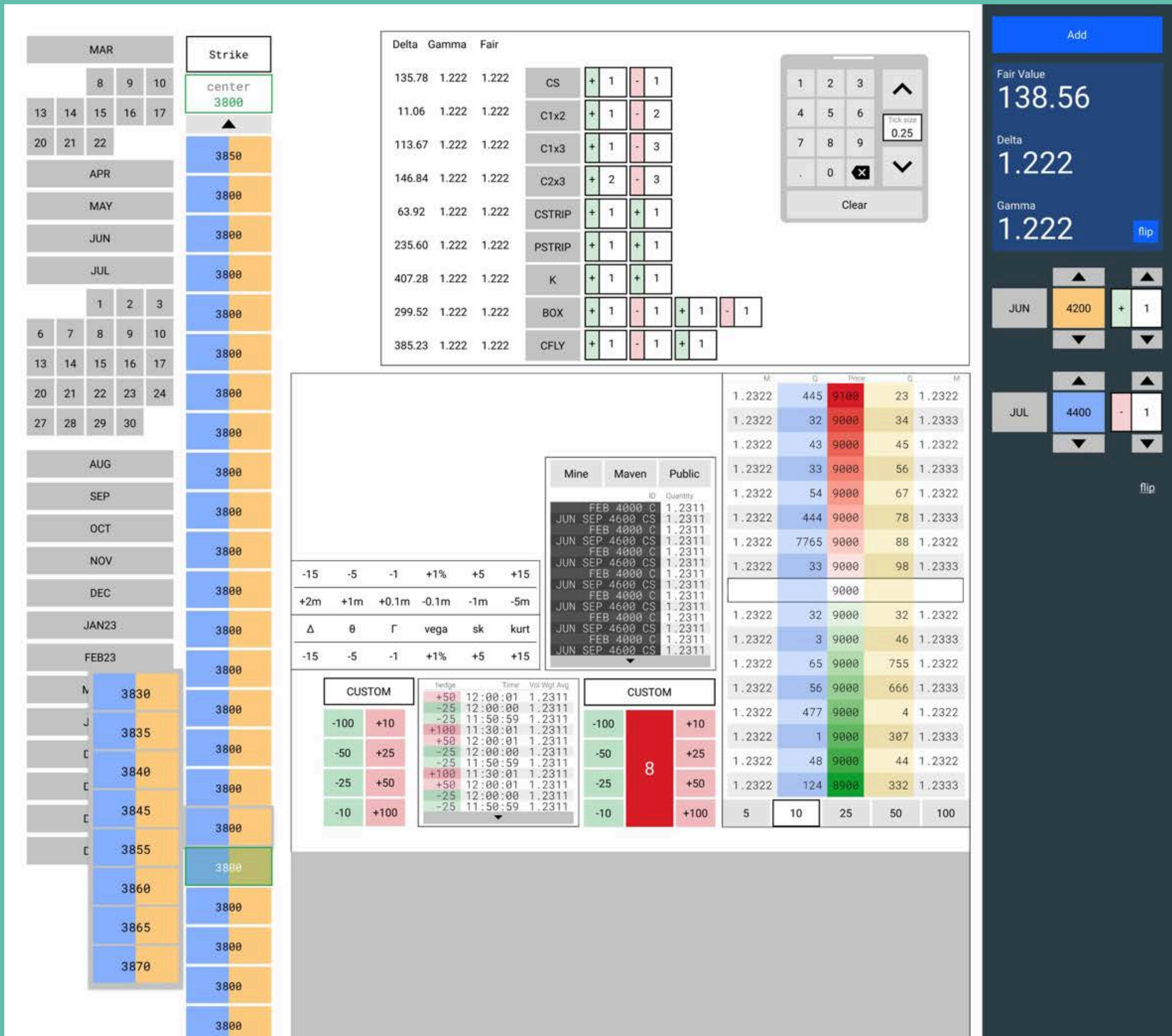
A tablet-based pricing interface for use by traders on the floor of the stock exchange.

Speed and efficient complex inputs is a priority. Predictive or context-based UIs to narrow scope of visible options.

Collaborative Design

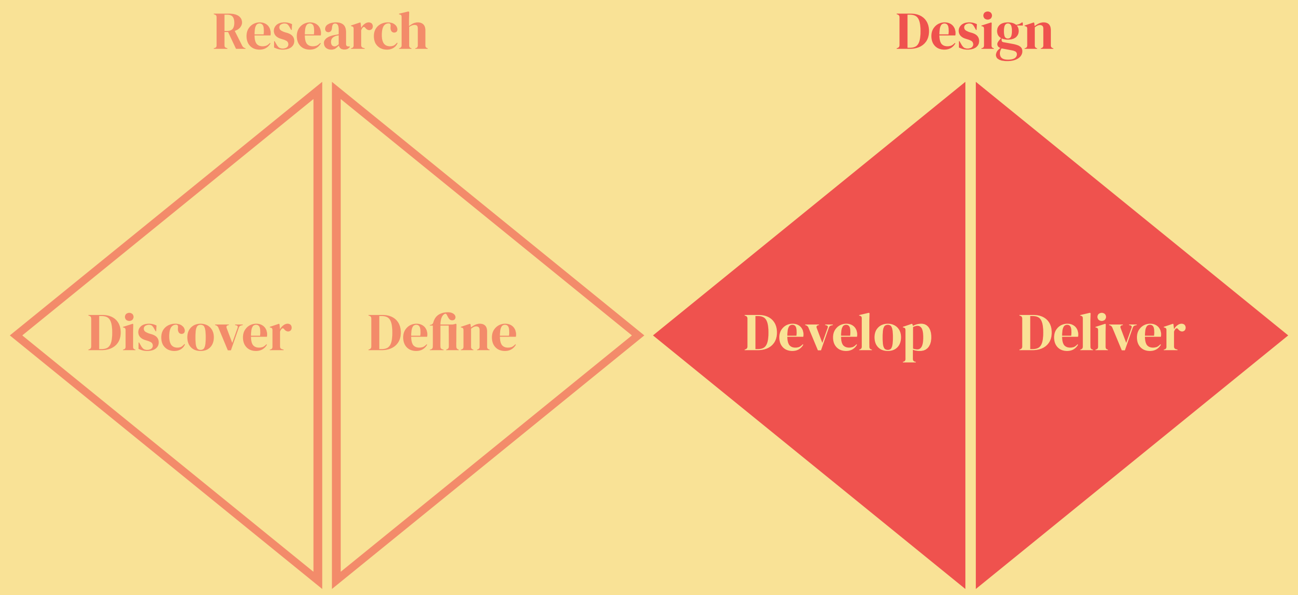
I worked with floor traders to iterate on the designs.

- **Collaborative** process where my role is more to bring their ideas to life because of the significant level of expert knowledge required.
- **User workshops** for detailed requirements gathering for 100s of actions and live sketching.
- **Interactive prototypes** help traders gauge efficiency of UI.



4/ User management for cloud deployments

As a UX Engineer on Improbable's Web UI team, I worked alongside our designer, contributing to the designs of our developer-facing UIs



The Context

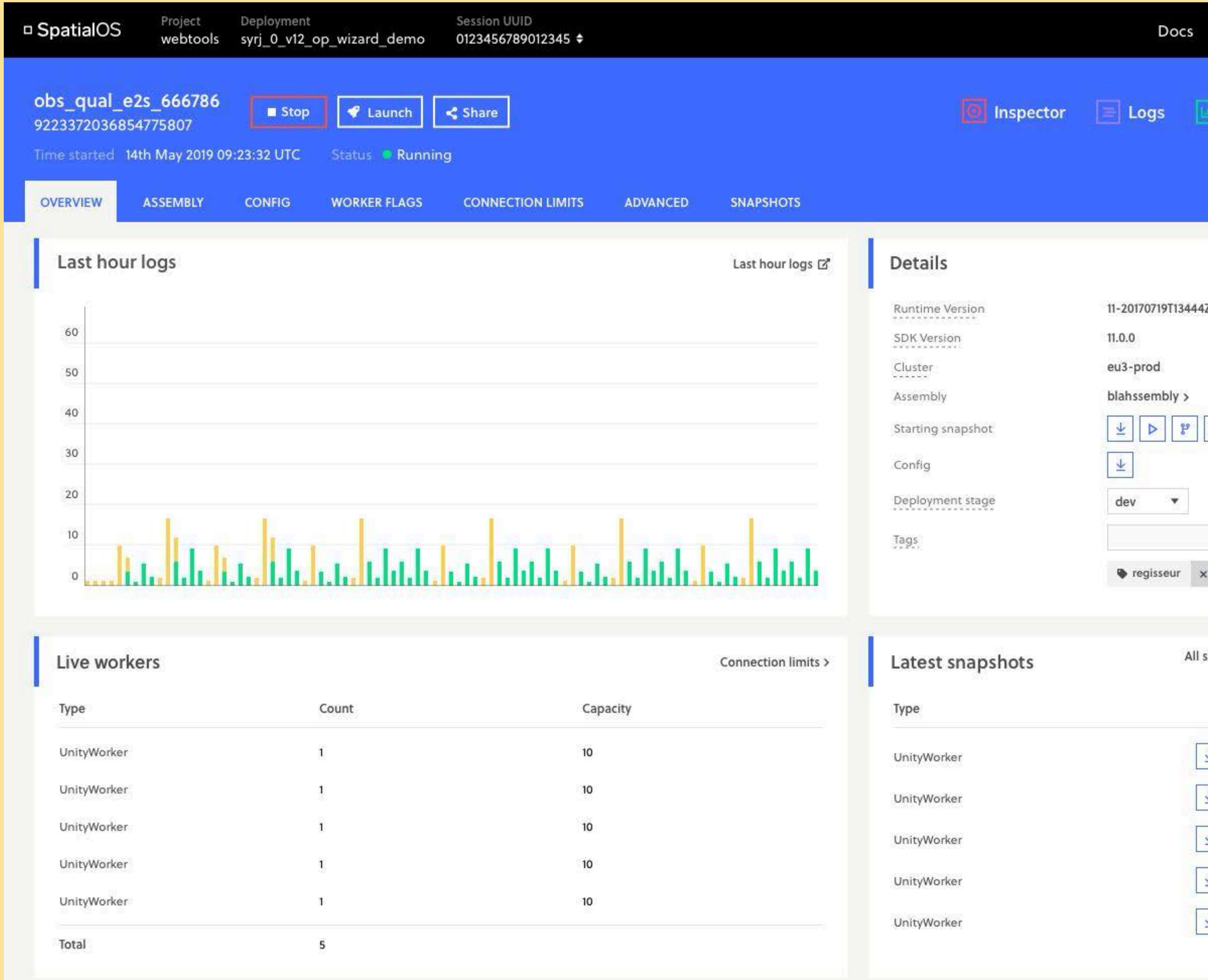
Improbable was building a new admin platform. Areas needing design exploration included:

- Organisation Management
- Permission Management
- Site Navigation
- Data Visualisation

The Project

Improbable had built a command line tool for improved permissions management. This functionality needed to be added to the web interface to allow non-technical users to interact with it.

The goal was to bring a controlled level of permissions management to the UI, not port the full power of the command-line to the web.



The Problem

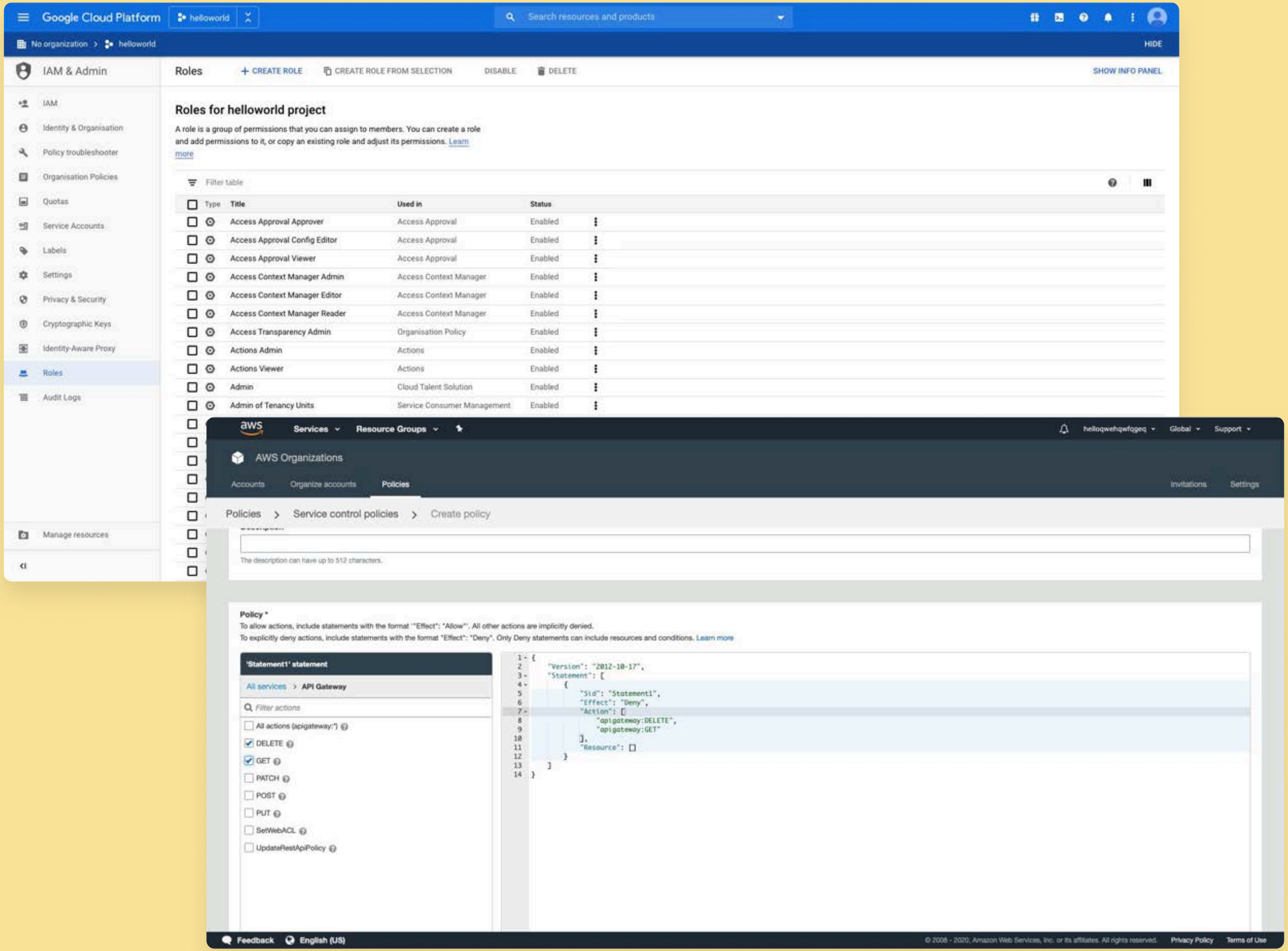
The system was designed for the command-line. It was very complex and very customisable, but the relationships it created were difficult to visualise.

First Steps

1/ Understand the technology
2/ Analyse existing systems
3/ Identify assumptions

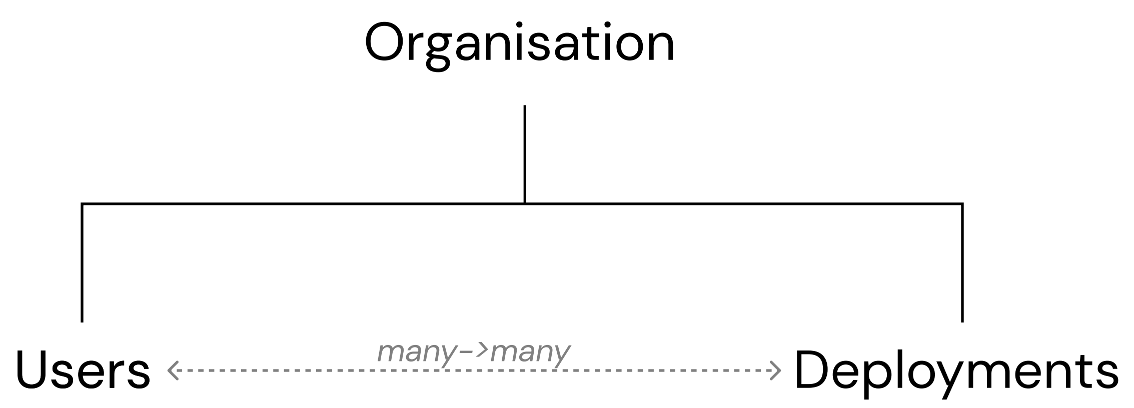
Involving the Engineers

The target user for this system was assumed to have some technical knowledge. It was crucial to include them in the initial discovery and feature scoping phase.



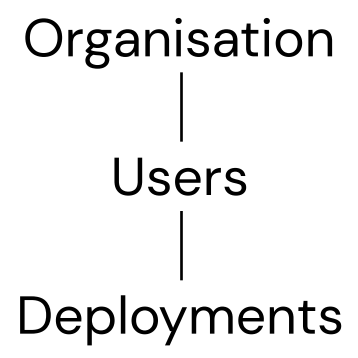
competitor analysis

Simple Hierarchy

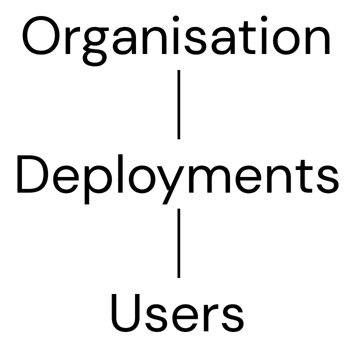


Defining User Actions

User Centric:
- view deployment per user
- add/remove deployments to users
- view all users

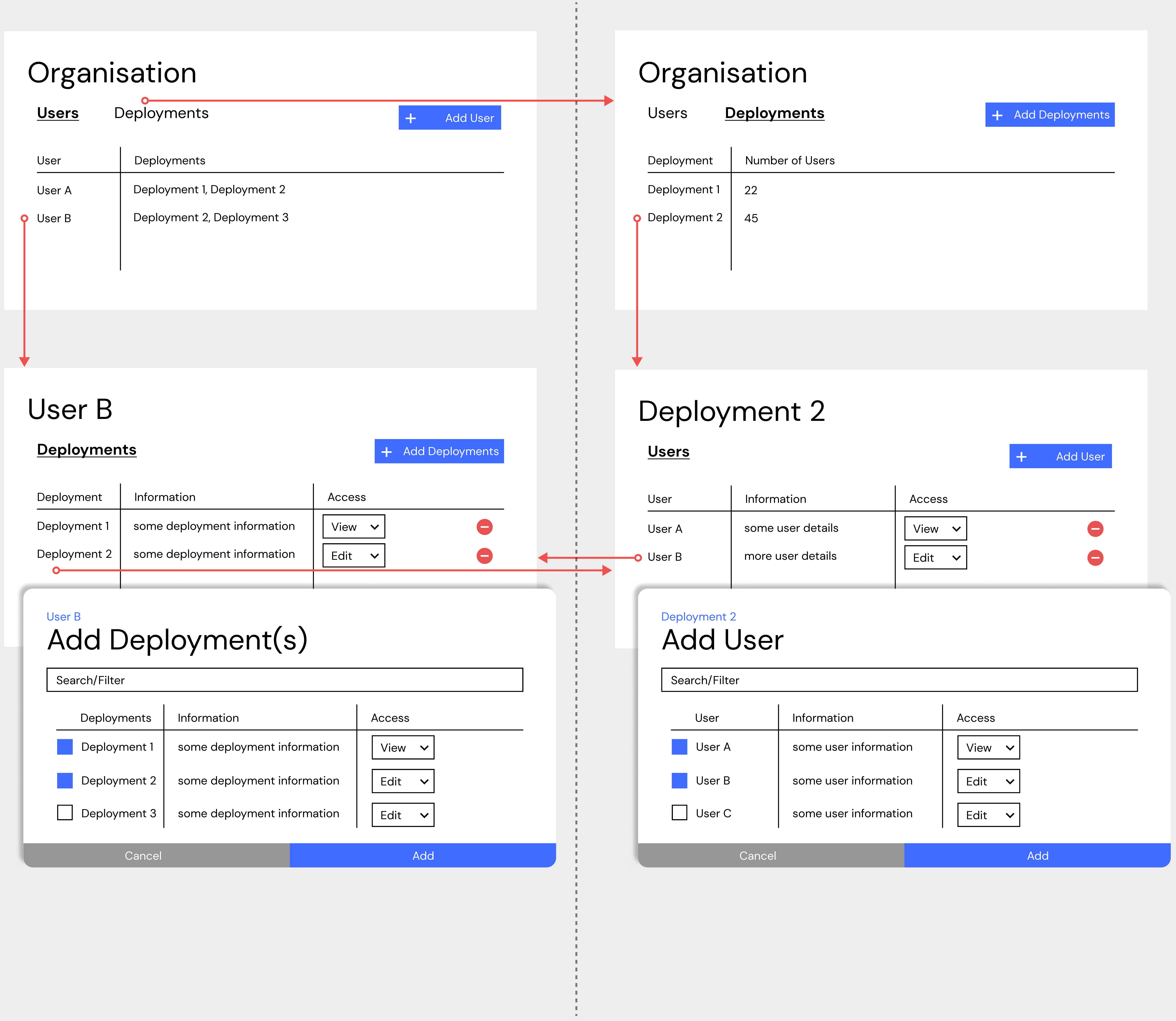


Deployment Centric:
- view users per deployments
- add/remove users to deployments
- view all deployments

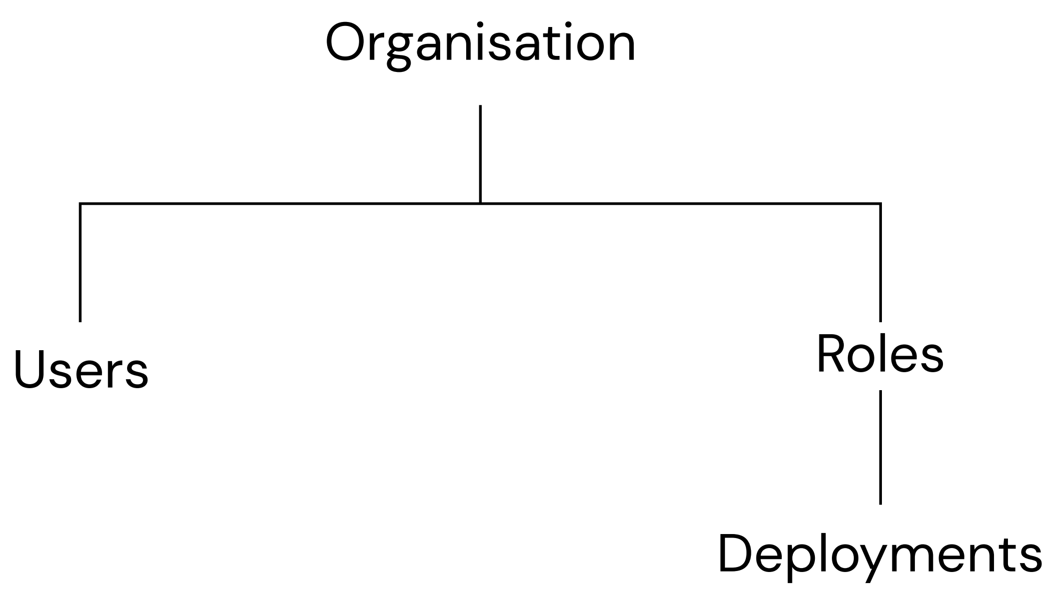


Things to think about

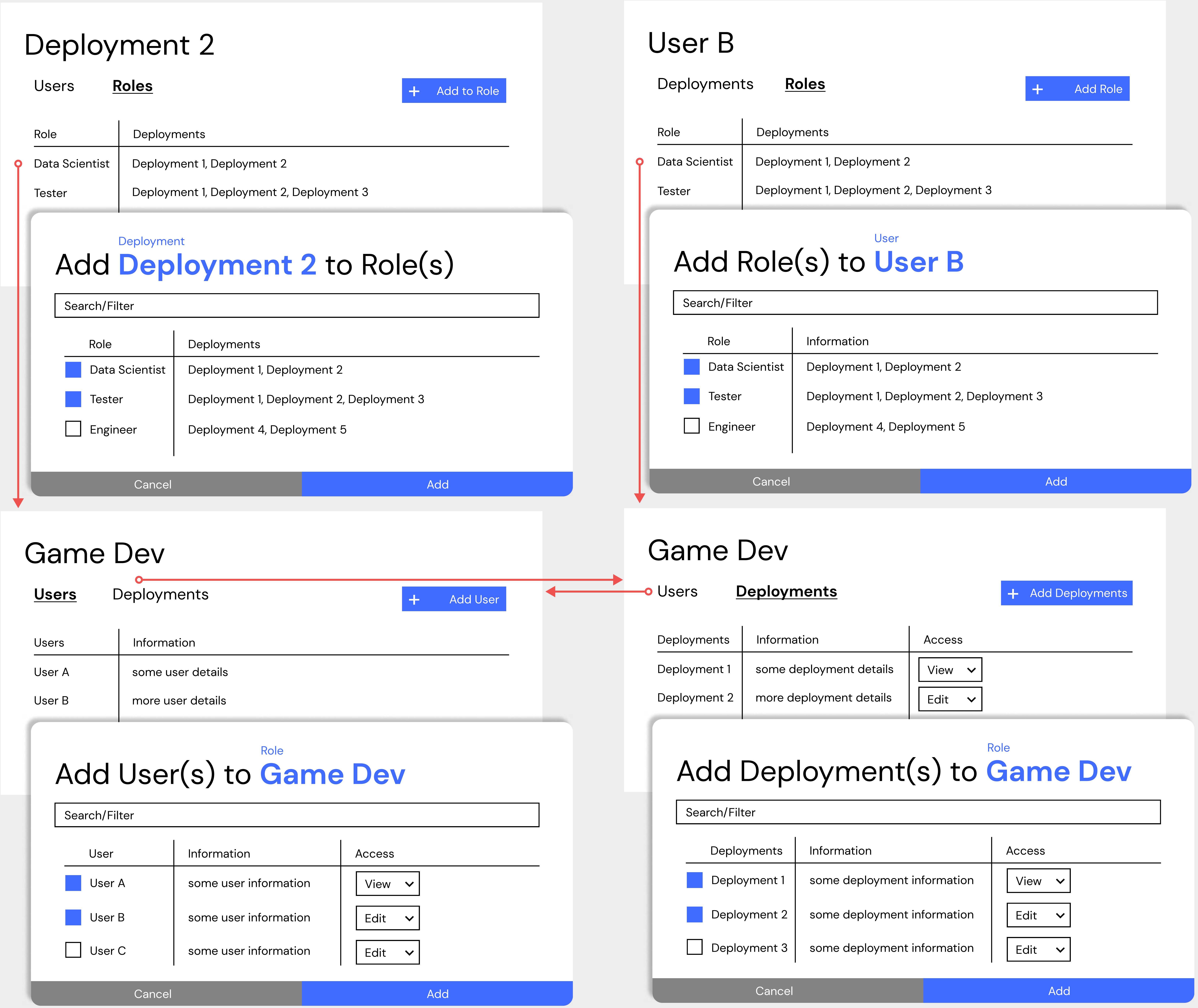
- permissions for different environments i.e. an intern might not have access to production deployments
- common/repeated actions - admin wants to give User B, C, D access to 10 deployments, the add deployment flow has to be repeated 3 time, or the add user flow 10 times.



Introducing Roles

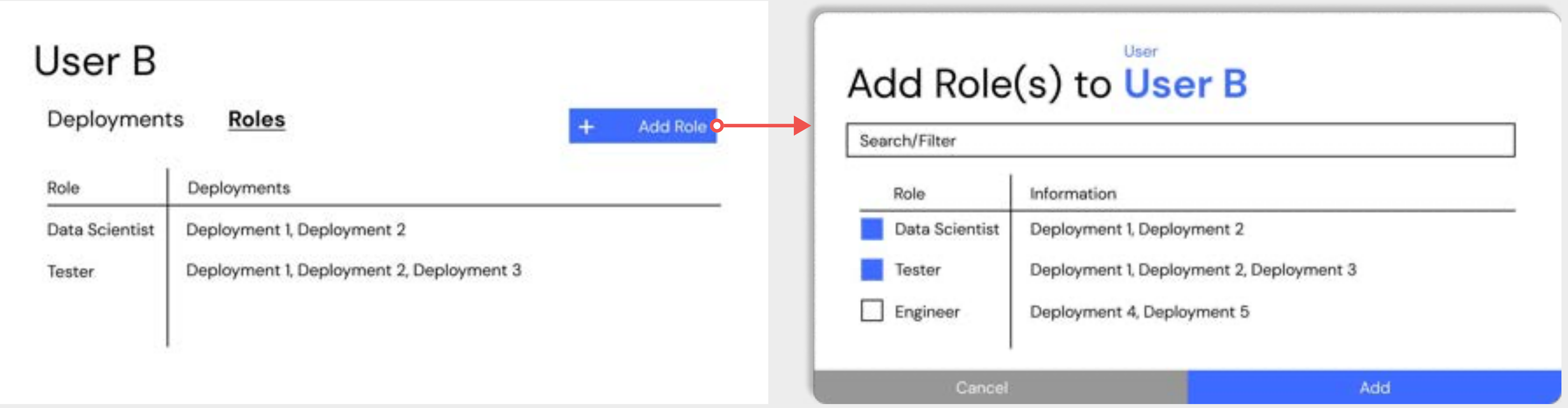


Allow the grouping of deployments into Roles. These can be differentiated by job role, project, environment and many other factors.



Target Journey: Admin wants to give User B access to Deployment 4

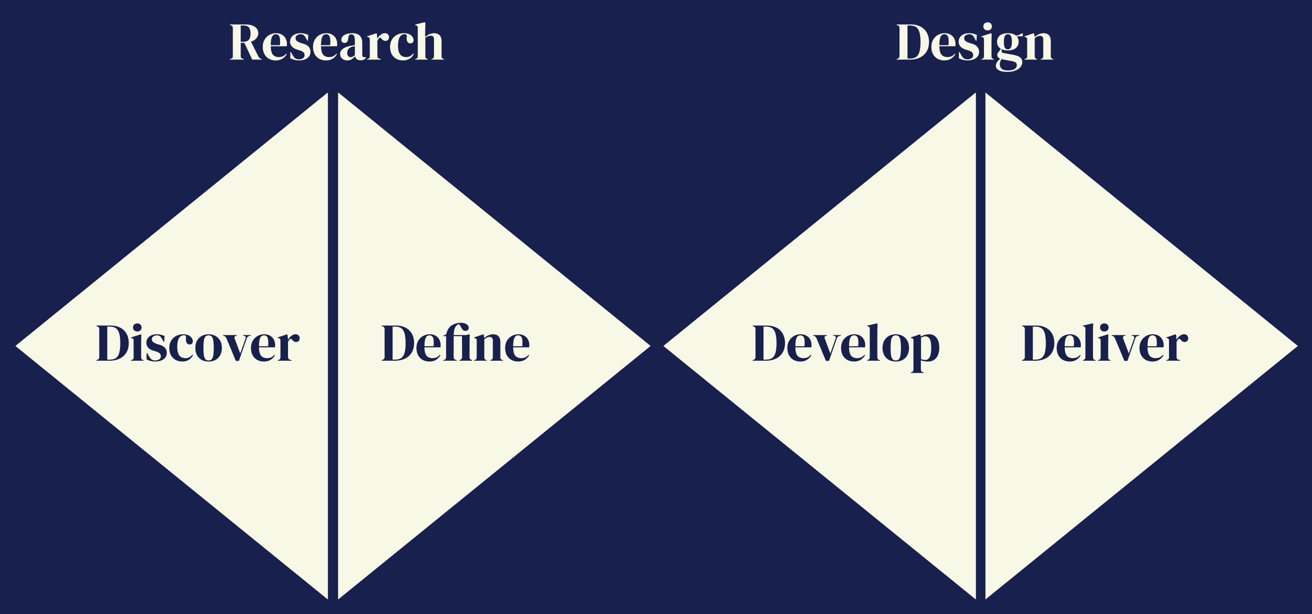
Option 1: Assign role containing Deployment 4 to User B



Option 2: Assign Deployment 4 to Role User B already has

Option 3: Create a new Role containing Model 4, then assign it to User B

I am a designer who



- enjoys new problems
- tackles complex technical designs
- is research-driven
- prototypes and iterates quickly
- has a long-term design vision