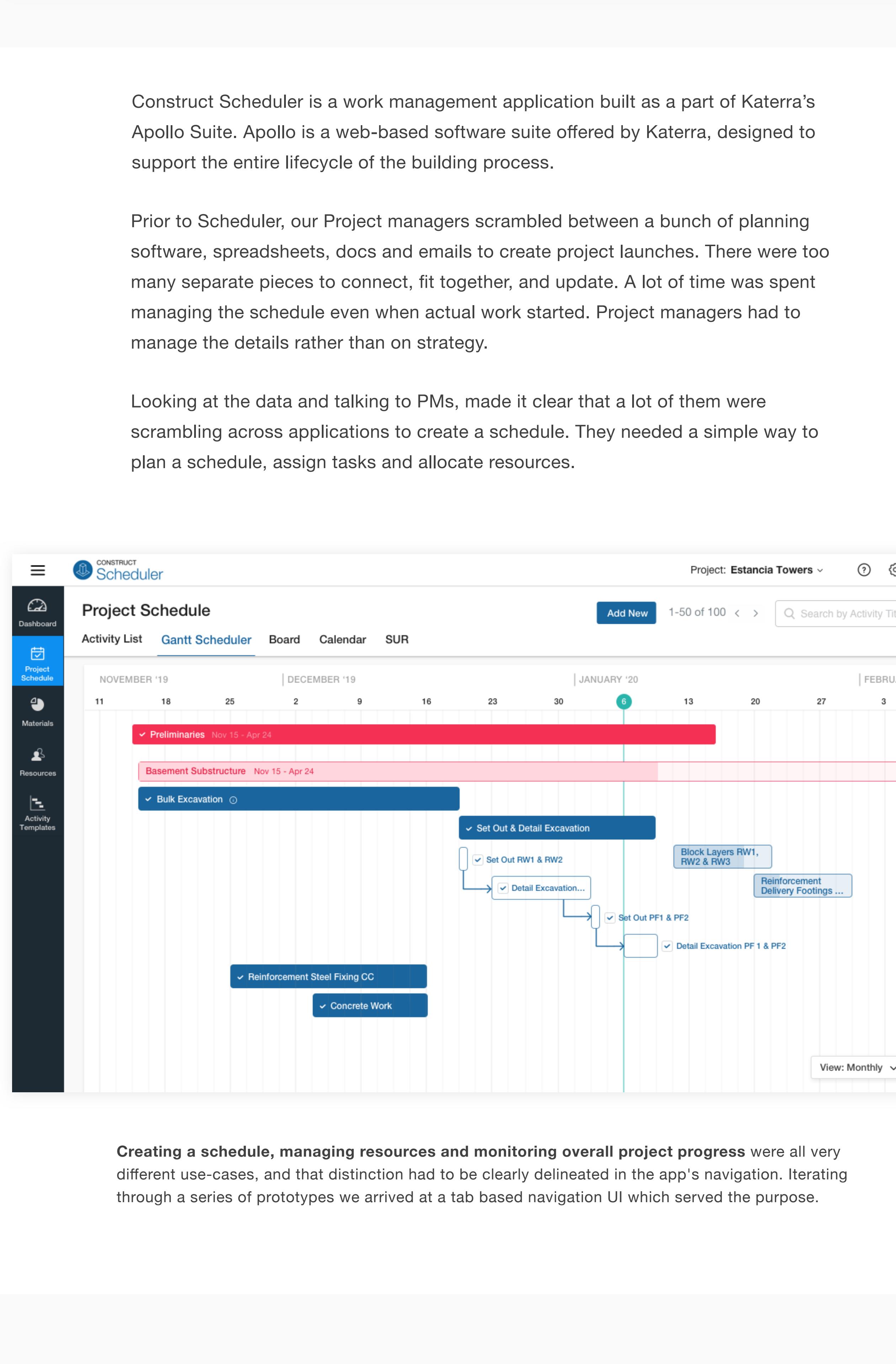


## How do we make managing a project schedule and identifying inefficiencies simple

Product/Client: Construct Scheduler Platform: Web Timeline: April 2019 - June 2019

### Role/Responsibility

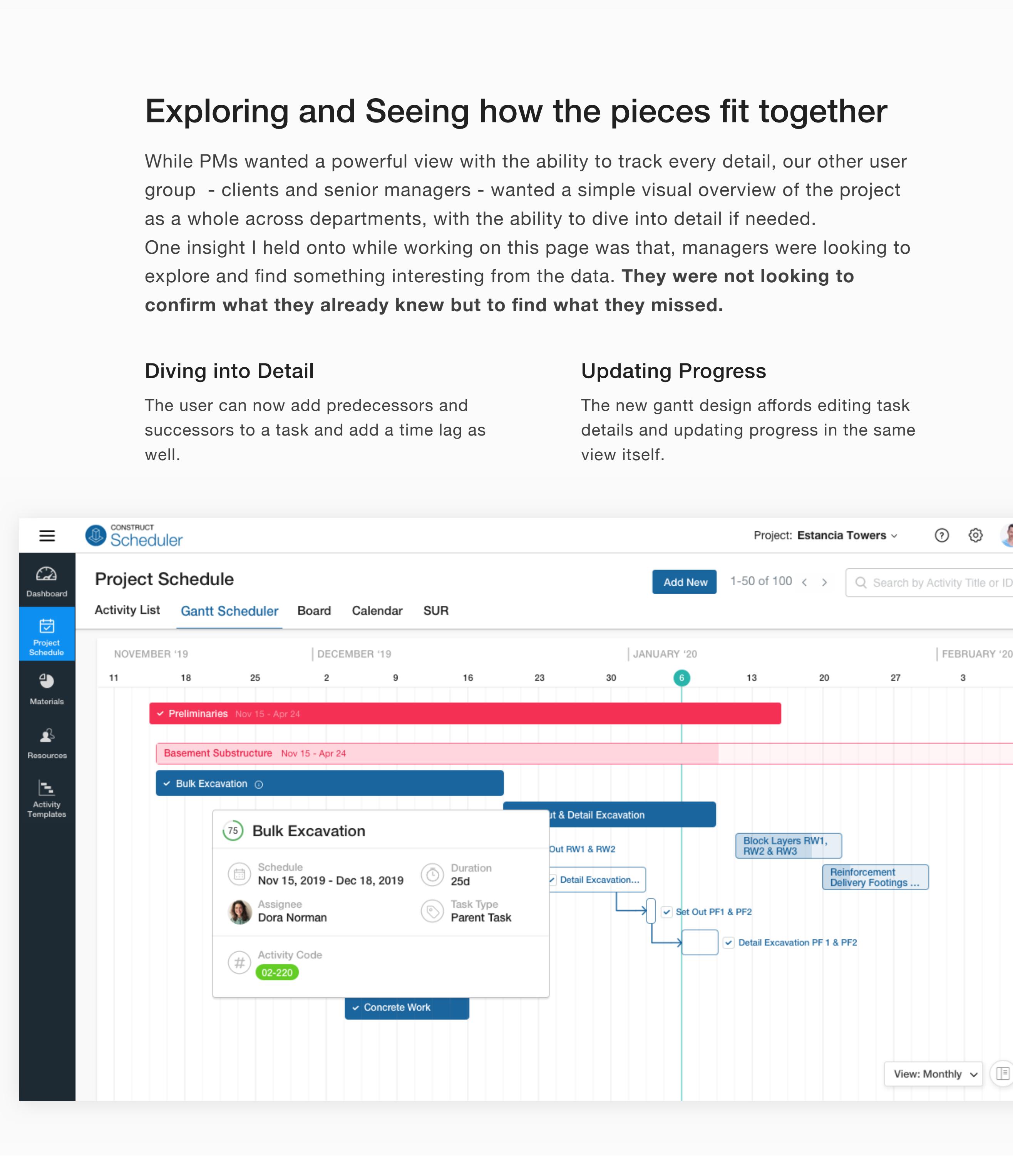
User Research, Interaction Design, Visual Design, Product Strategy, Prototyping  
Designed the UI and the UX workflows for Web, iOS, Android and browser extensions,  
and established the ground work to unify the experience across these platforms.



Construct Scheduler is a work management application built as a part of Katerra's Apollo Suite. Apollo is a web-based software suite offered by Katerra, designed to support the entire lifecycle of the building process.

Prior to Scheduler, our Project managers scrambled between a bunch of planning software, spreadsheets, docs and emails to create project launches. There were too many separate pieces to connect, fit together, and update. A lot of time was spent managing the schedule even when actual work started. Project managers had to manage the details rather than strategy.

Looking at the data and talking to PMs, made it clear that a lot of them were scrambling across applications to create a schedule. They needed a simple way to plan a schedule, assign tasks and allocate resources.



### Activity List

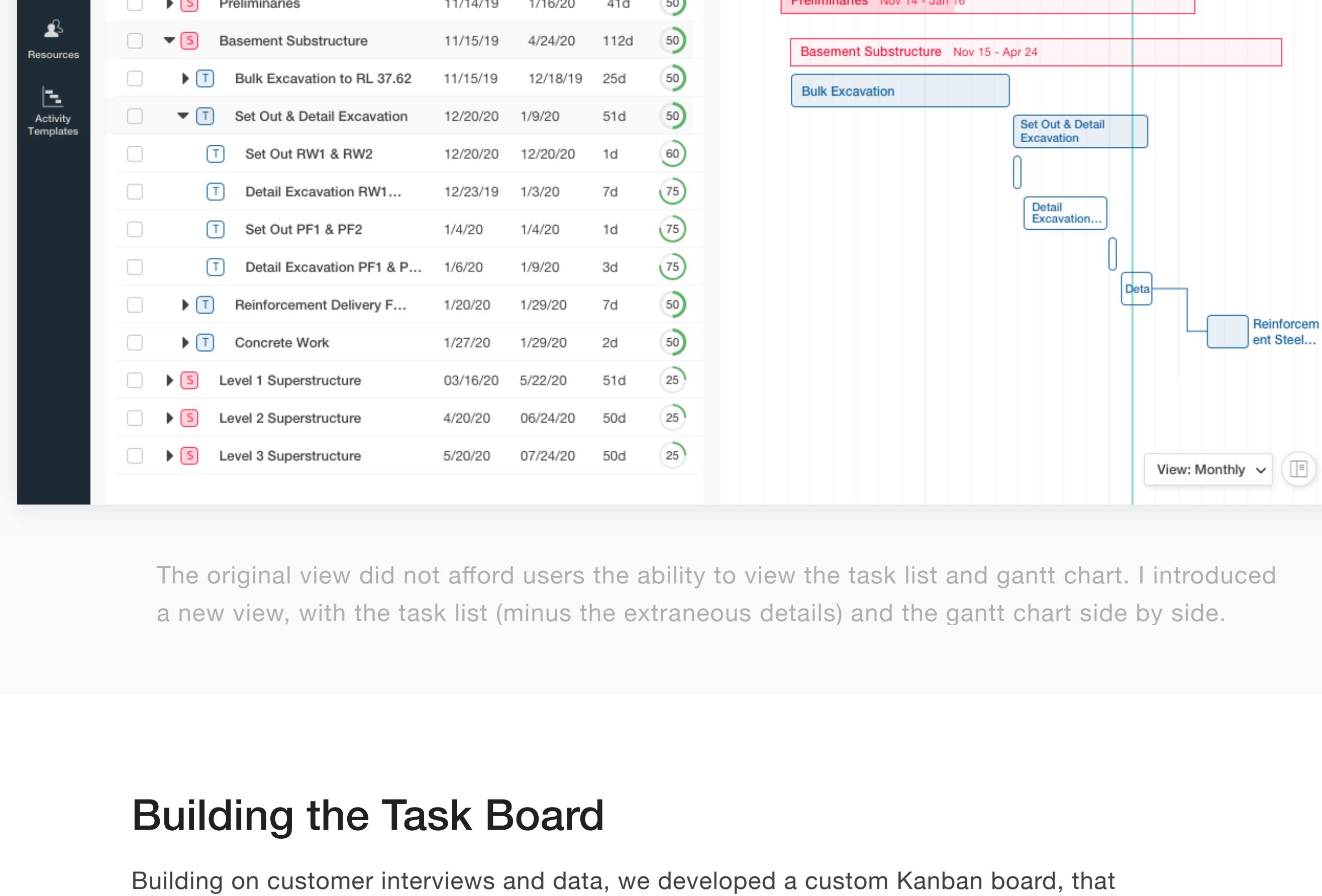
The users needed a view that allowed them to track every detail of every task or activity. They needed a single source of truth. The key challenge for me was to accommodate all the data points without losing the simplicity and scannability. I took special care to ensure that the important data points stood out.

#### Easy start

We introduced **Activity Templates**, to allow users to quickly start mapping out a project plan or schedule. After importing the template, he can customise it any which way.

#### Adding Cues to track every detail

I added visual cues where necessary to make each detail stand out. Since every field was meaningful and had to be incorporated, getting the visual hierarchy right was crucial. I introduced icons where possible to reduce the clutter and make the page more breathable and scannable.



The day on which an activity starts or ends was an important detail that was missing in the old design. Incorporating this small detail saved our users from having to switch back and forth to the calendar page.

## Exploring and Seeing how the pieces fit together

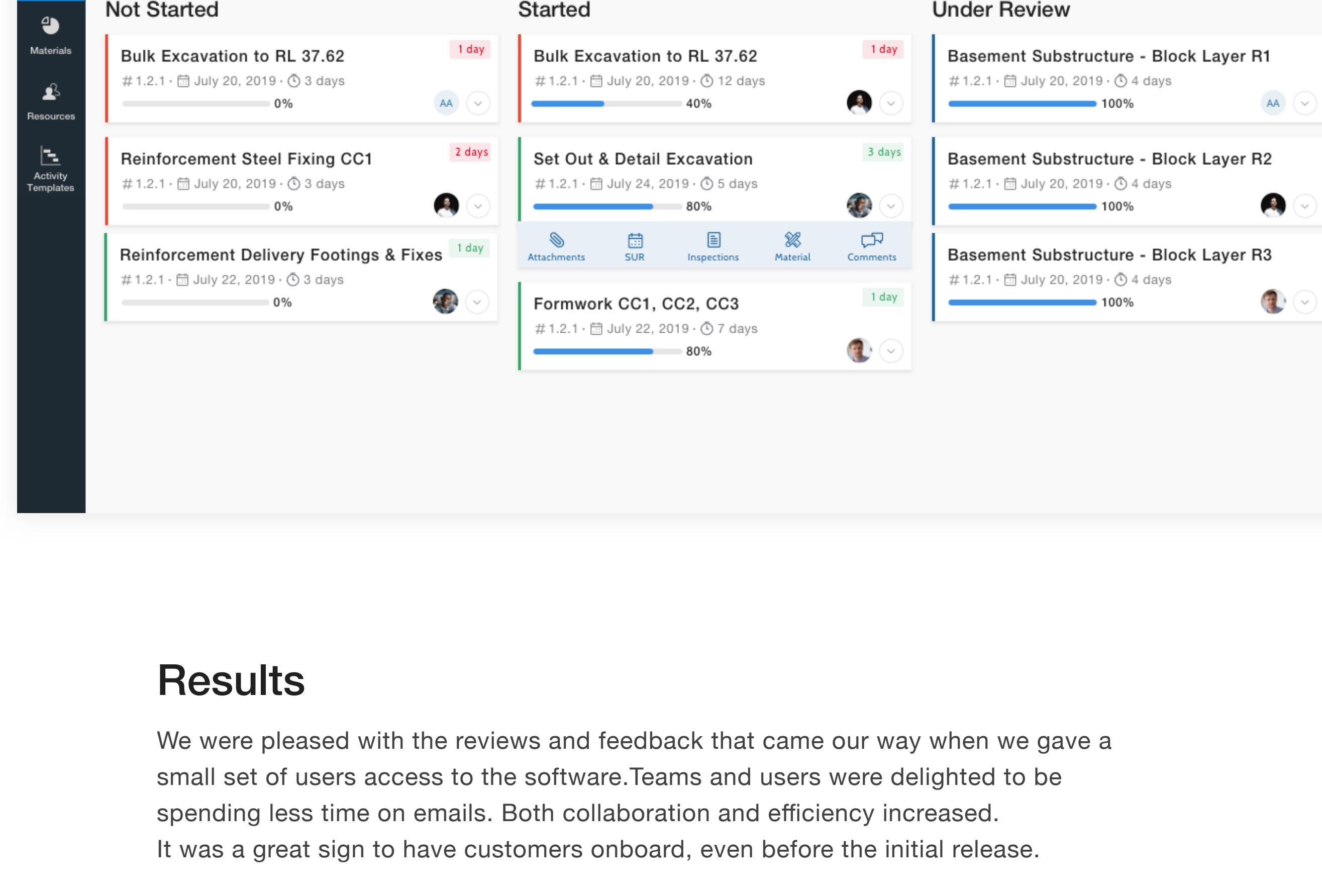
While PMs wanted a powerful view with the ability to track every detail, our other user group - clients and senior managers - wanted a simple visual overview of the project as a whole across departments, with the ability to dive into detail if needed. One insight I held onto while working on this page was that, managers were looking to explore and find something interesting from the data. They were not looking to confirm what they already knew but to find what they missed.

#### Diving into Detail

The user can now add predecessors and successors to a task and add a time lag as well.

#### Updating Progress

The new gantt design affords editing task details and updating progress in the same view itself.



## Results

We were pleased with the reviews and feedback that came our way when we gave a small set of users access to the software. Teams and users were delighted to be spending less time on emails. Both collaboration and efficiency increased. It was a great sign to have customers onboard, even before the initial release.

Understanding how the information will be used, helped me create better information visualizations for our end users.

