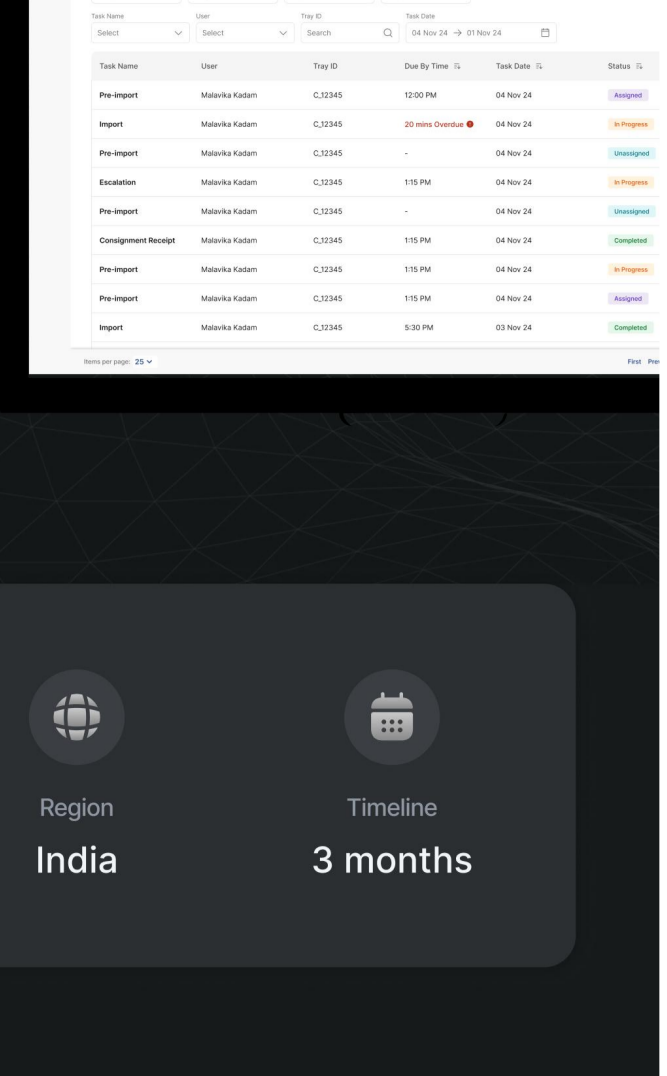
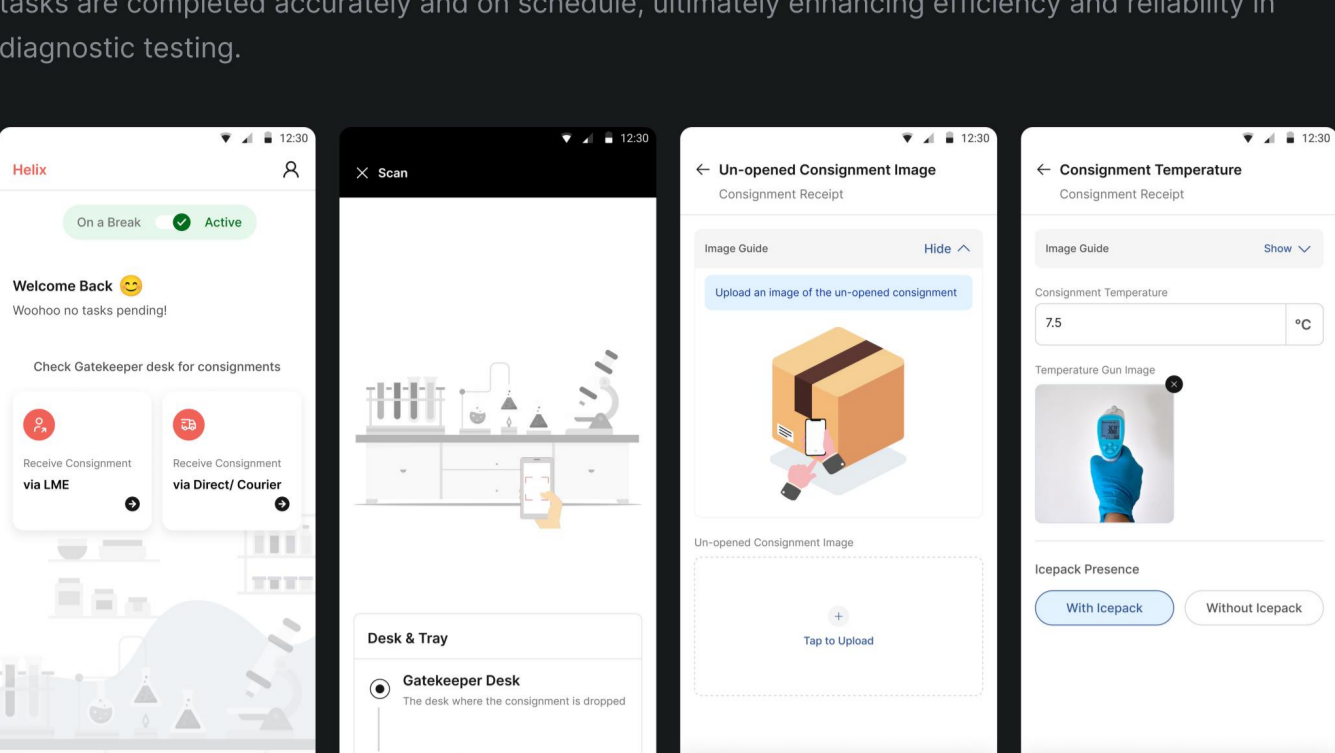


Live

# Helix: Optimising Lab Operations!

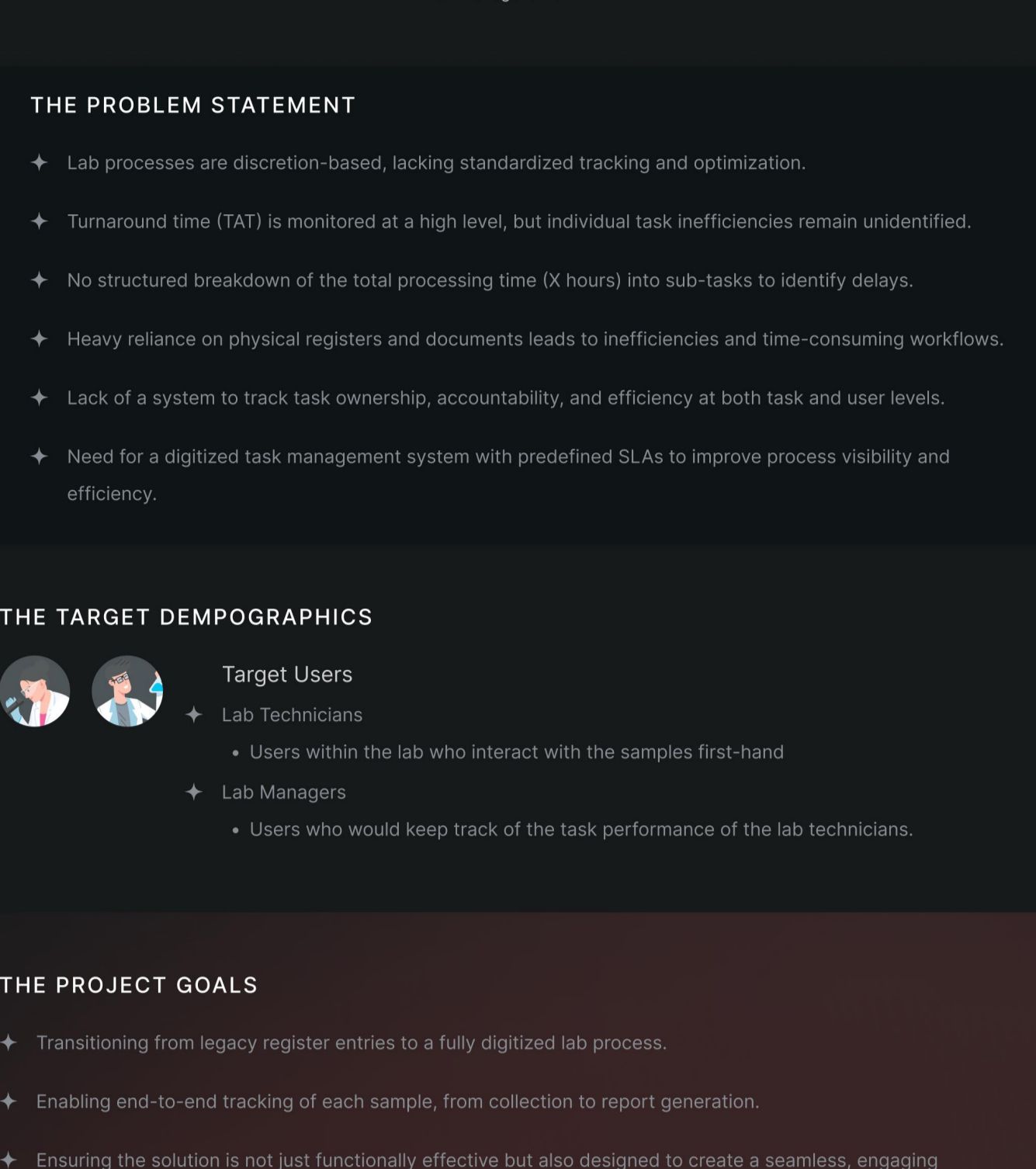


Core Product Designer

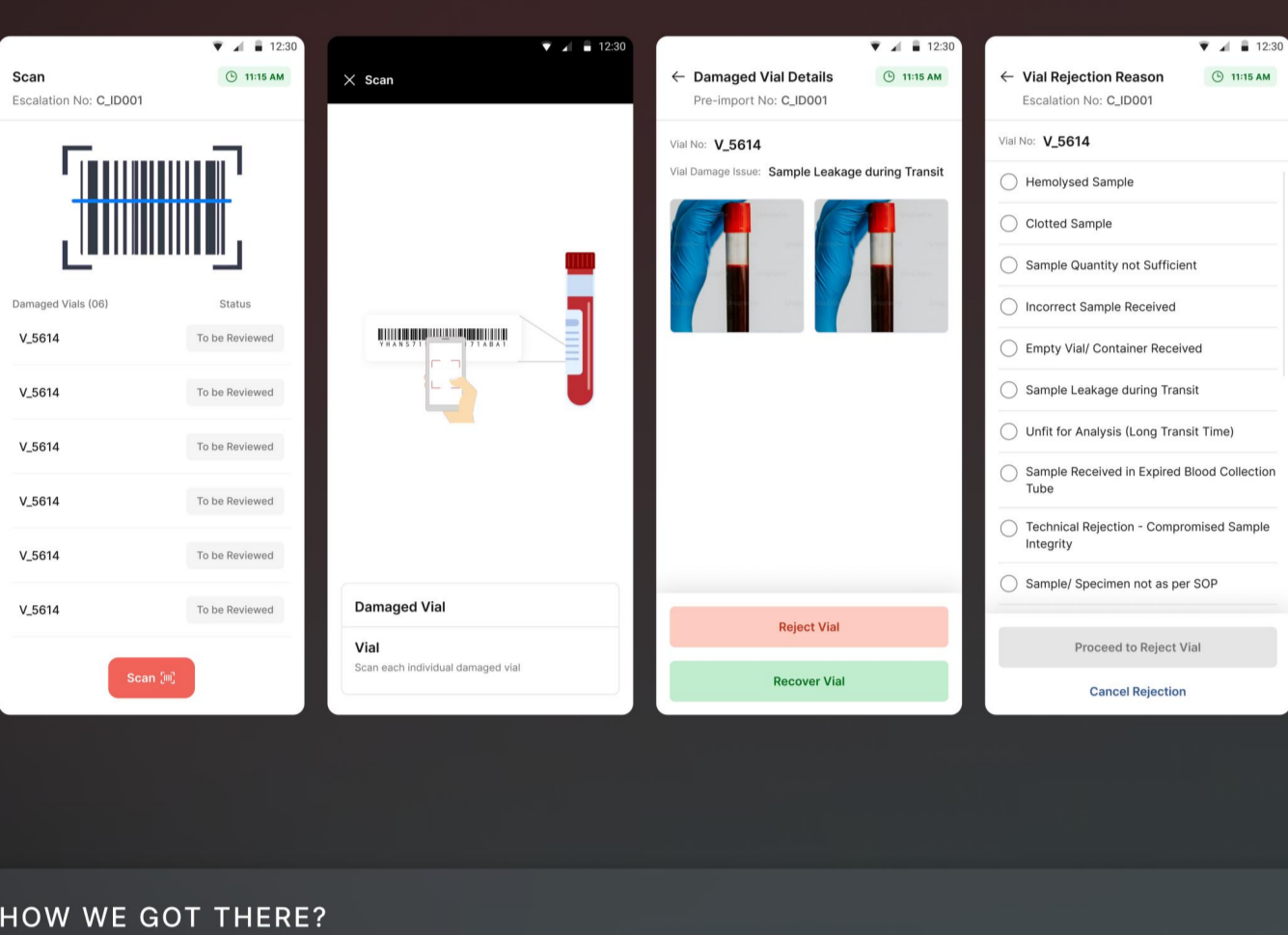


## ABOUT THE PLATFORM

Helix is a digital platform designed for lab technicians to streamline the entire journey of blood and other test samples. By digitizing the process, Helix ensures seamless tracking, allowing patients to stay informed about their sample's status without any hassle. Lab managers can oversee operations in real time, ensuring tasks are completed accurately and on schedule, ultimately enhancing efficiency and reliability in diagnostic testing.



Lab Technician screens

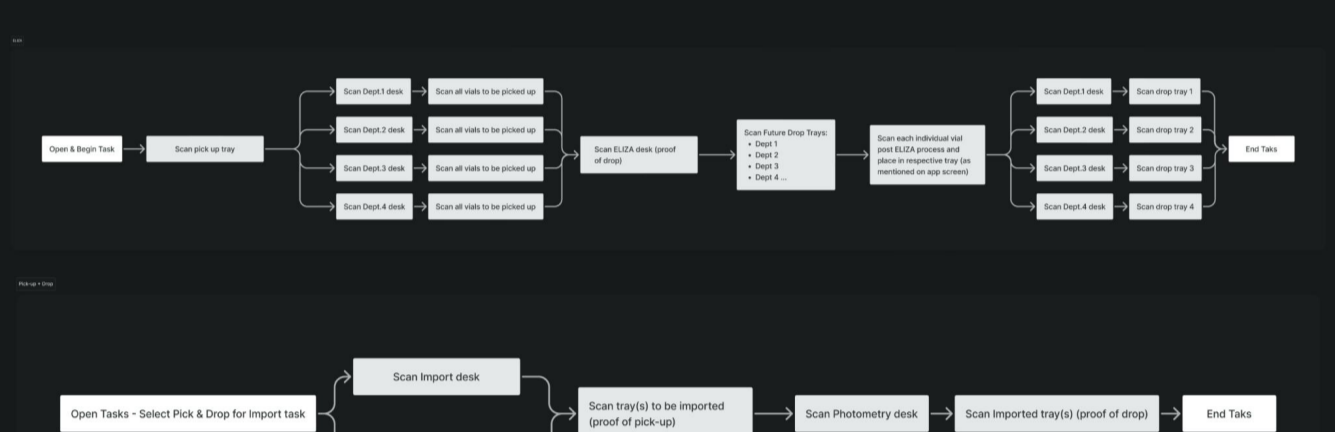


Lab Manager screen

## THE PROBLEM STATEMENT

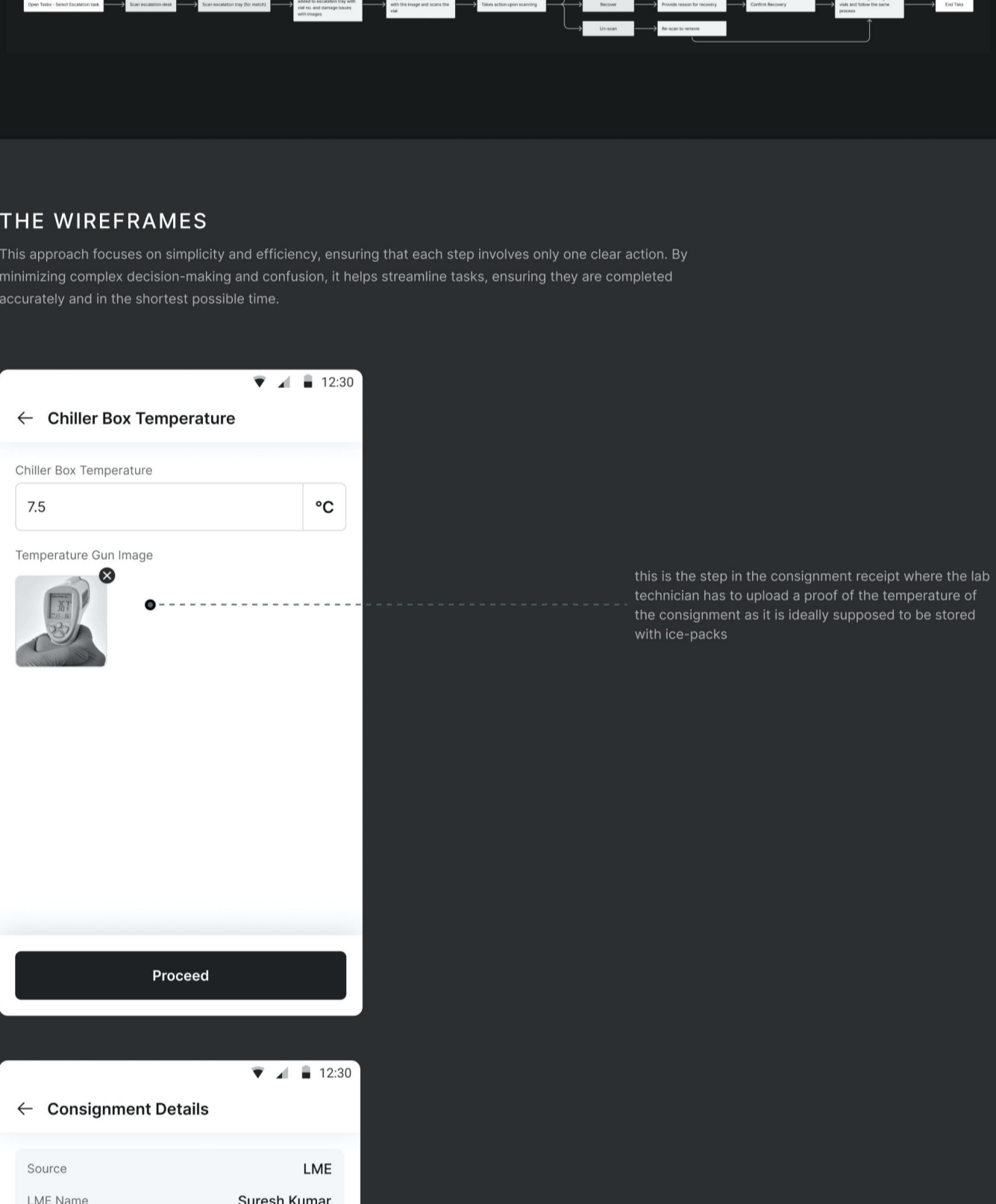
- Lab processes are discretion-based, lacking standardized tracking and optimization.
- Turnaround time (TAT) is monitored at a high level, but individual task inefficiencies remain unidentified.
- No structured breakdown of the total processing time (X hours) into sub-tasks to identify delays.
- Heavy reliance on physical registers and documents leads to inefficiencies and time-consuming workflows.
- Lack of a system to track task ownership, accountability, and efficiency at both task and user levels.
- Need for a digitized task management system with predefined SLAs to improve process visibility and efficiency.

## THE TARGET DEMOGRAPHICS

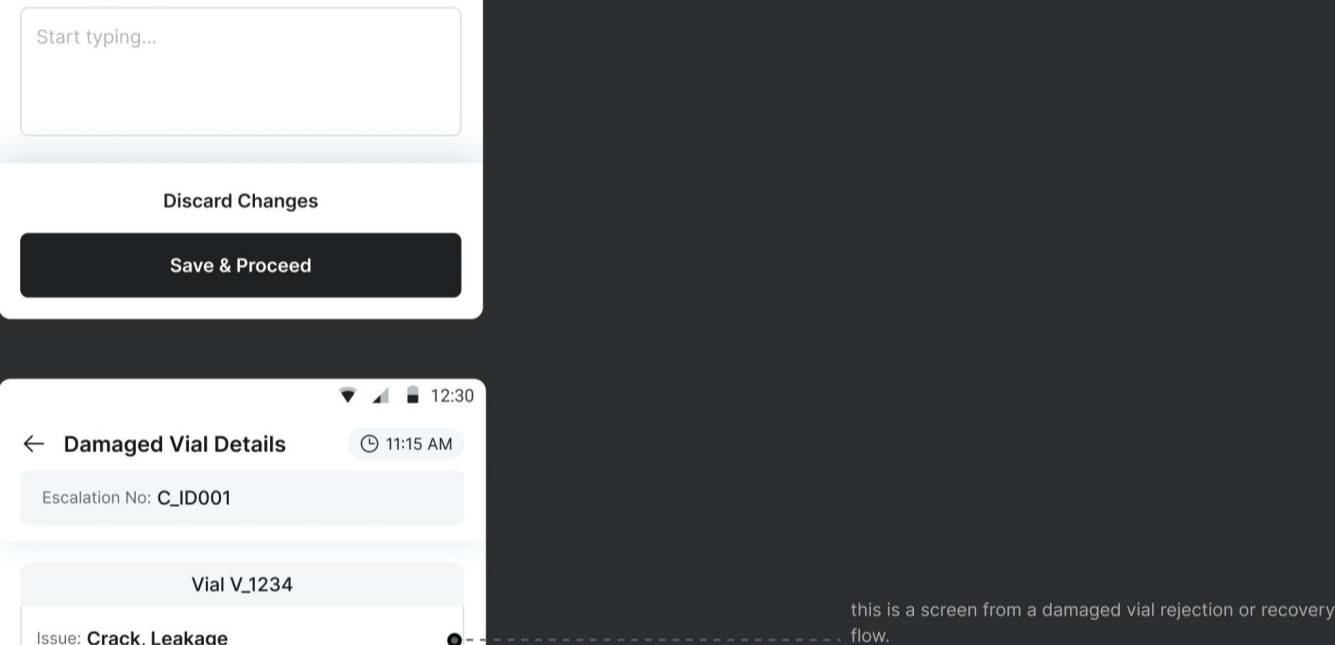


## THE PROJECT GOALS

- Transitioning from legacy register entries to a fully digitized lab process.
- Enabling end-to-end tracking of each sample, from collection to report generation.
- Ensuring the solution is not just functionally effective but also designed to create a seamless, engaging experience that encourages users to adopt it effortlessly every day.



## HOW WE GOT THERE?

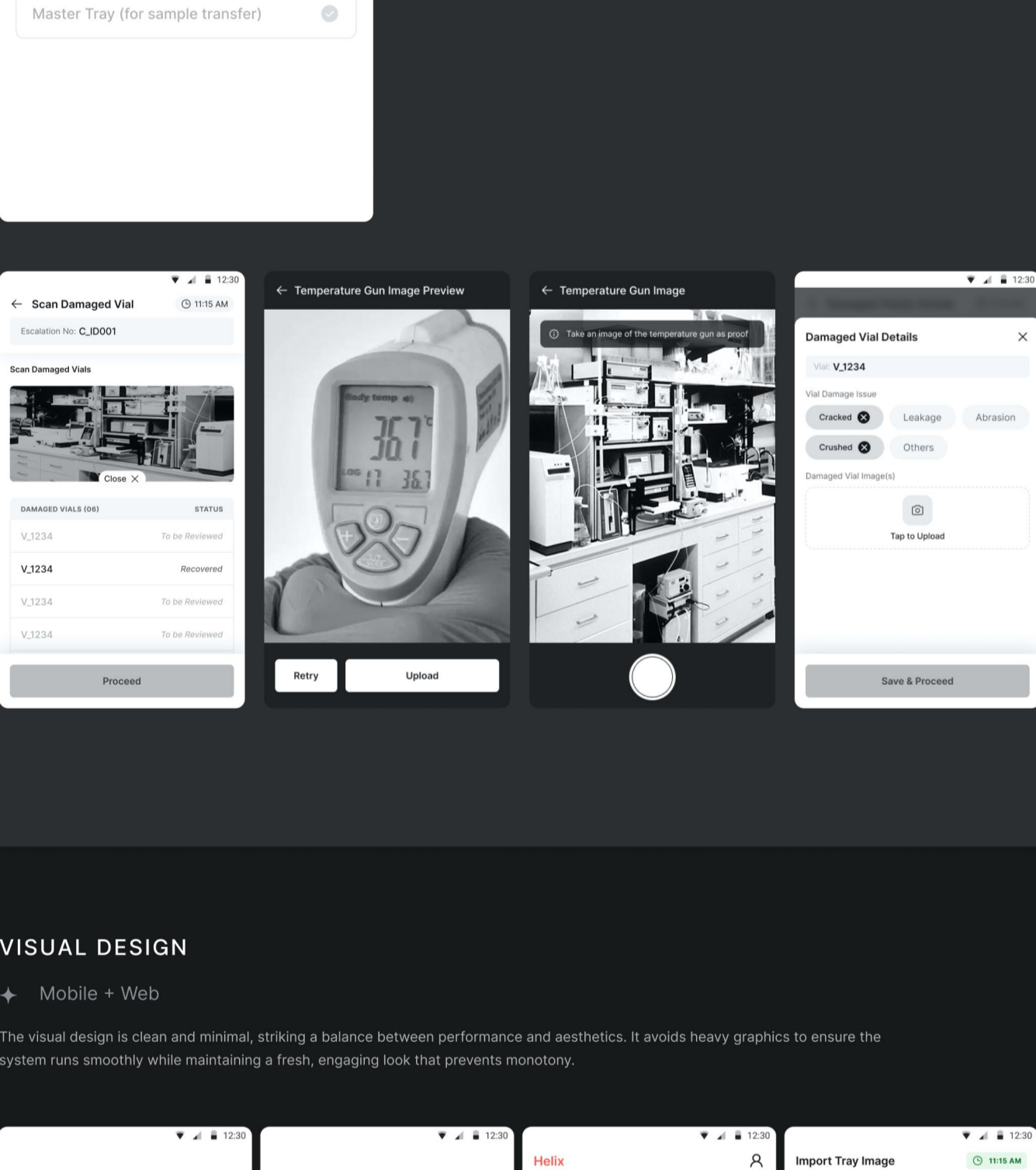


## CHALLENGES FACED AND HOW WE OVERCAME THEM

- The platform was built from the ground up, with no existing references to guide development.
- Our primary goal was to enhance efficiency for lab technicians without adding complexity. However, we observed that while certain tasks took a few extra minutes, errors were significantly reduced.
- Some design decisions, initially made to simplify workflows, often didn't work as expected. This led us to prioritize user testing after every new flow, ensuring that keeping the user at the center of our process made design decisions more effective.
- Acknowledging Imperfections: Recognizing the challenges of working in a less-than-ideal world, maintaining a positive outlook despite constraints. 🌟

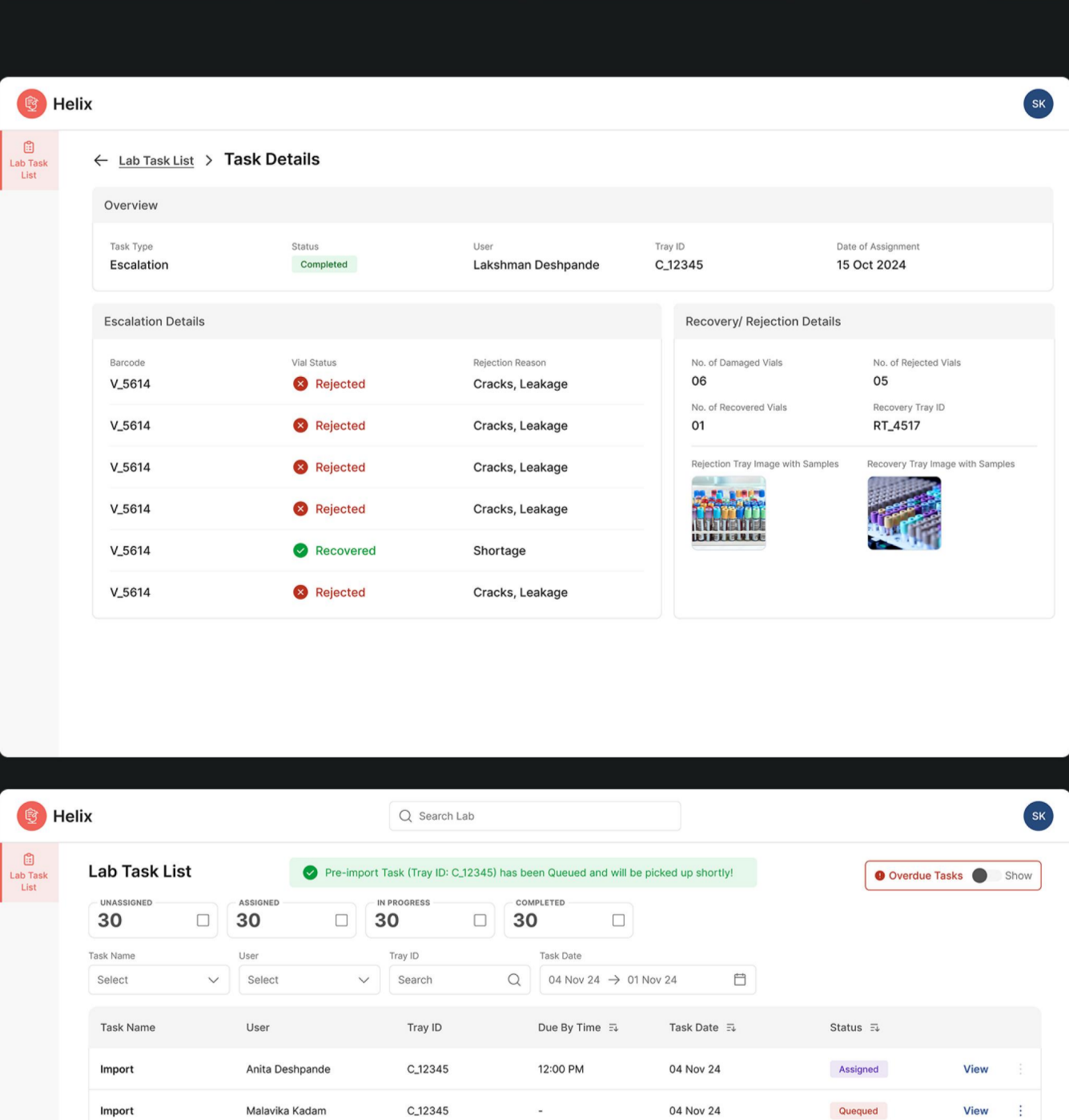
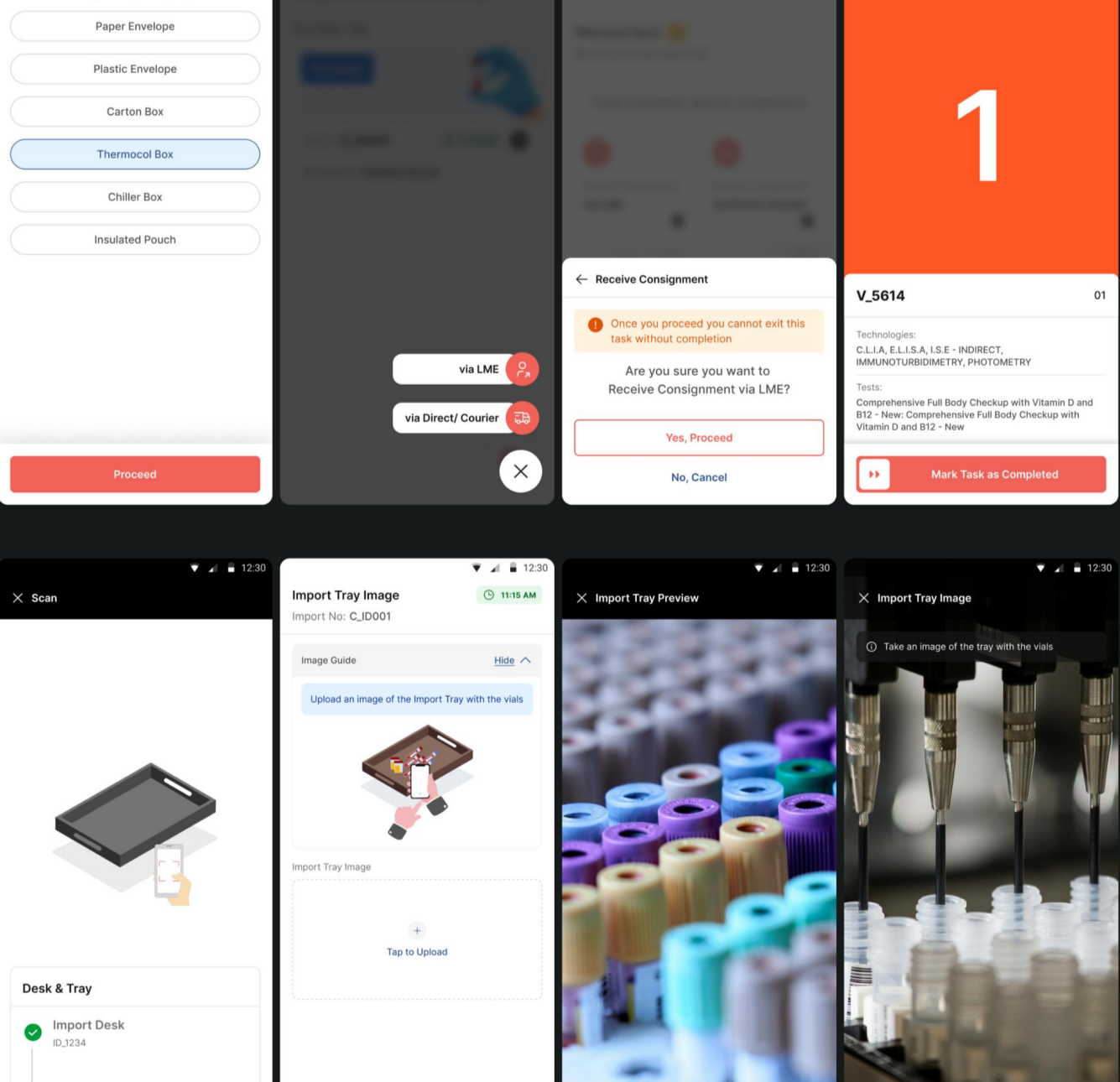
## THE INFORMATION ARCHITECTURE

The user flow and IA was done to understand each individual end-to-end and to create a product-wide journey flowing through these modules. This IA is mapped from the time the consignment is received at the lab up to its import into the departments.



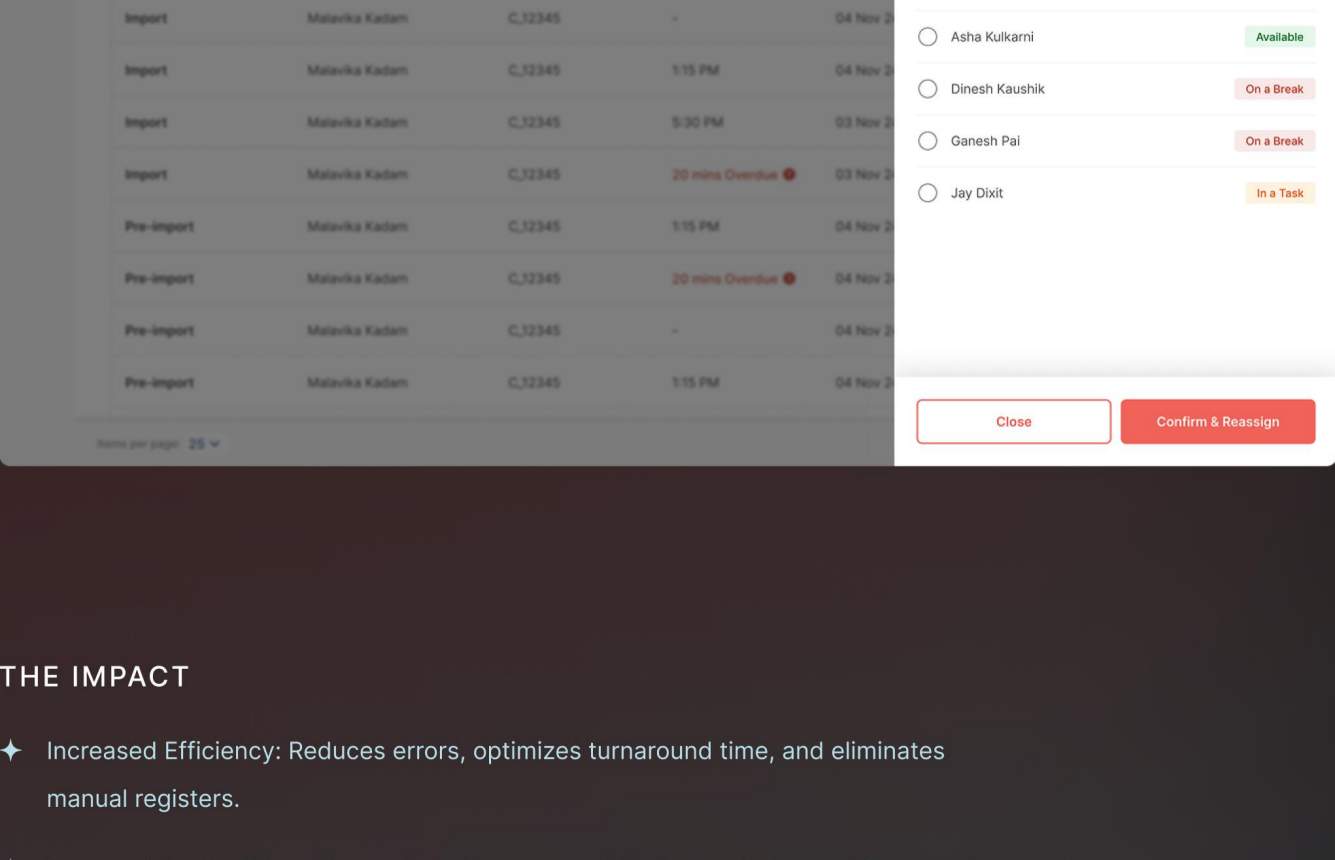
## THE WIREFRAMES

This approach focuses on simplicity and efficiency, ensuring that each step involves only one clear action. By minimizing complex decision-making and confusion, it helps streamline tasks, ensuring they are completed accurately and in the shortest possible time.



## VISUAL DESIGN

Mobile + Web  
The visual design is clean and minimalist, striking a balance between performance and aesthetics. It avoids heavy graphics to ensure the system runs smoothly while maintaining a fresh, engaging look that prevents monotony.



## THE IMPACT

- Increased Efficiency: Reduces errors, optimizes turnaround time, and eliminates manual registers.
- Improved Productivity: Clear task assignments, minimal complexity, and faster task completion.
- Better Monitoring: Real-time tracking, performance insights, and early issue detection.
- Enhanced Patient Experience: Transparent sample tracking, faster reports, and automated updates.
- Scalability & Growth: Digitized workflows, data-driven improvements, and future AI integration.

That's a wrap!