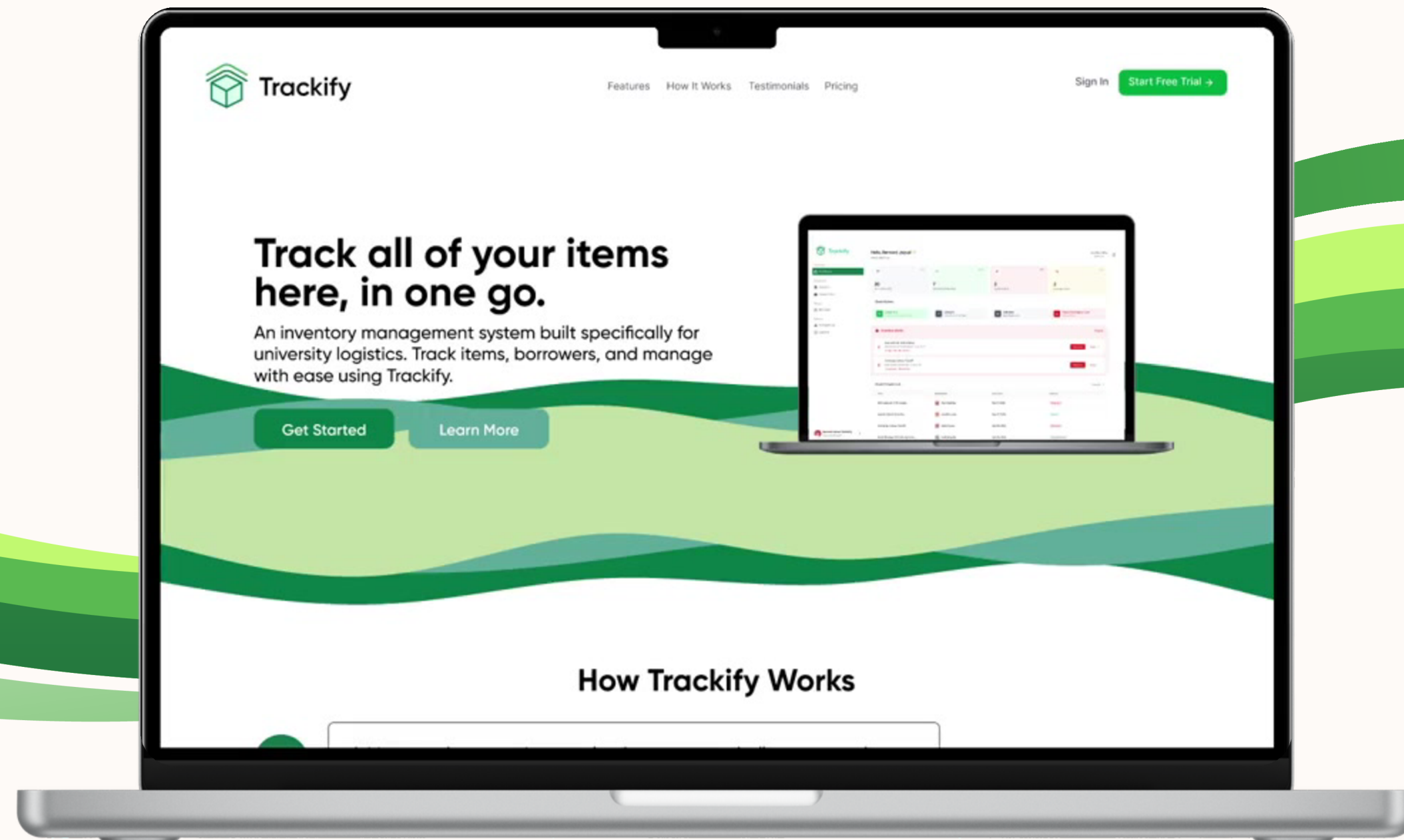




Trackify

An Inventory Management System for University Logistics

Bernard Jezua Tandang & Myle Balidoy (memoa.dev)

Meet Mars!



A property custodian in a private university based in the Philippines



Responsible for thousands of assets and currently relies on manual logs



Pain Points of Mars:

"Who currently has the item and when is it due?"

"How do I handle adding or checking out a massive queue without losing track?"

"How do I prove the item was returned broken?"

"Is the item going to the right person?"



How might we..

help property custodians manage a high volume of university equipment for an effortless tracking experience?



Pain Point #1:

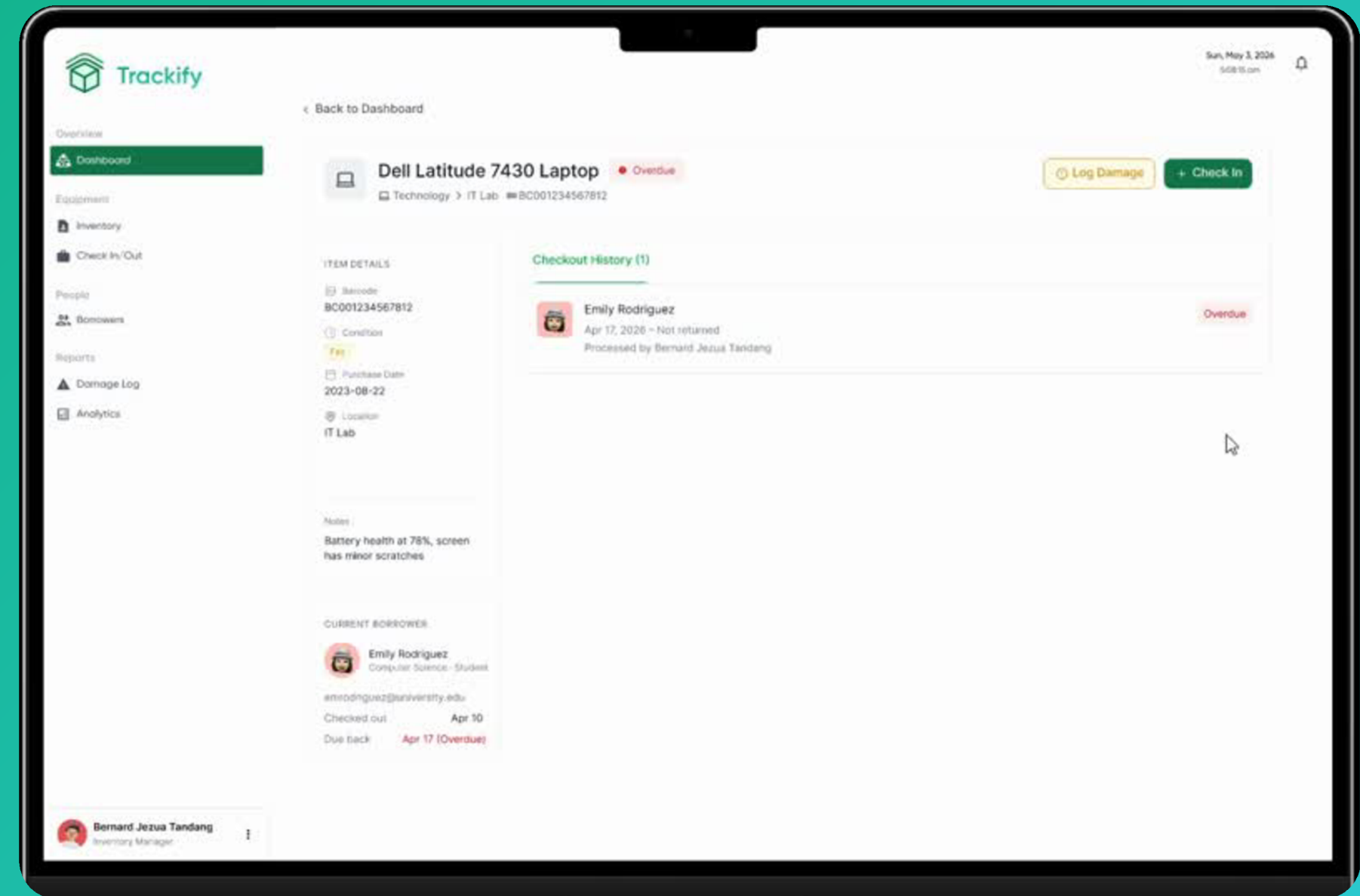
**“Who currently has the item and
when is it due?”**

Solutions for this:

- Real-Time Metadata - the system tracks the recent borrowers and status for every item.

Real-Time Metadata

- Overdue Alerts - the dashboard immediately flags late items to show urgent concern, with communication handled through emails.



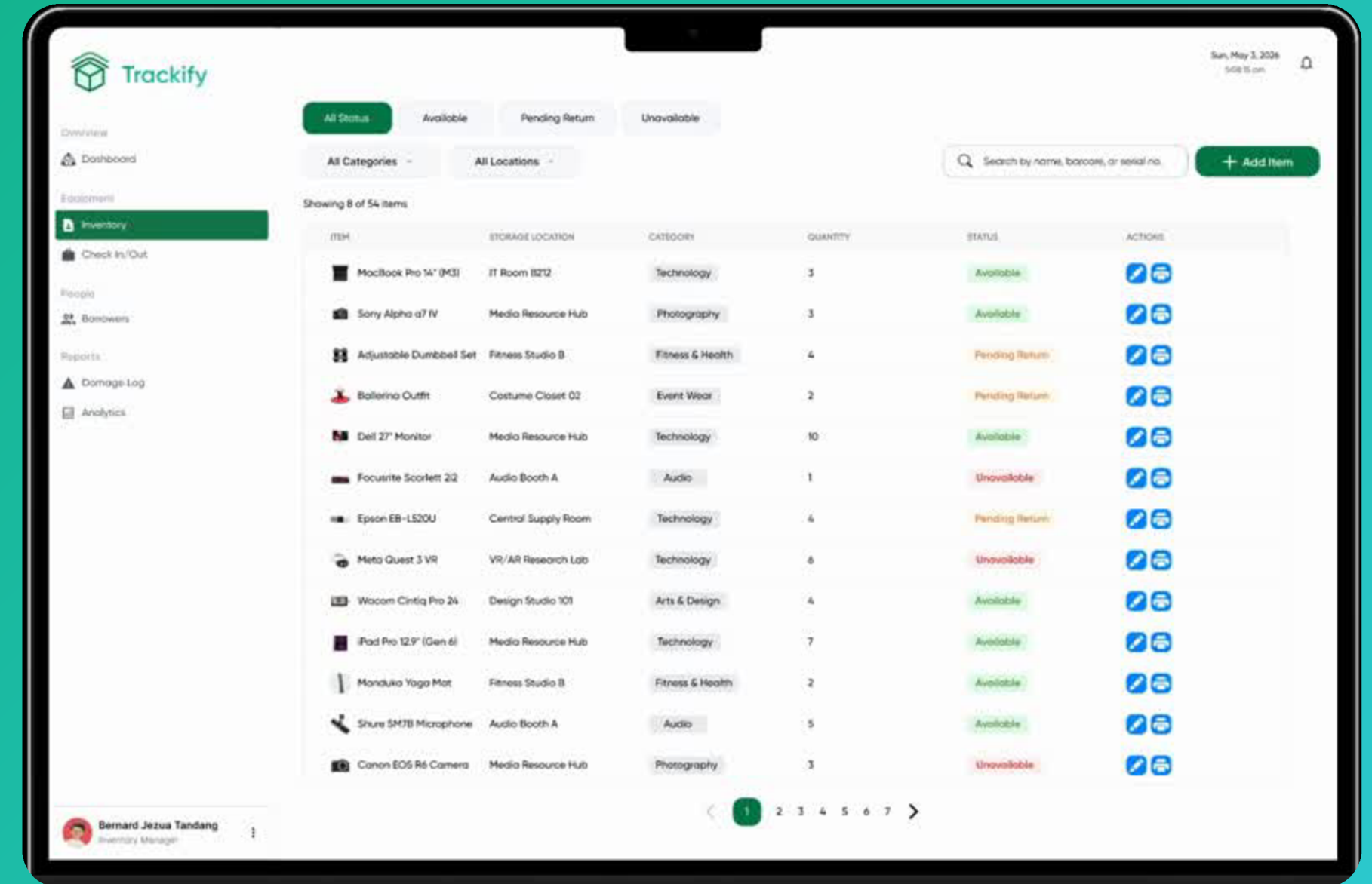


Pain Point #2:

“How do I handle adding or checking out a massive queue without losing track?”

Solutions for this:

- Barcode Generation & Scanning – quick identification through scanning of serial numbers replaces manual data entry.
- Bulk Actions – multiple checkouts and returns can be done simultaneously in seconds.





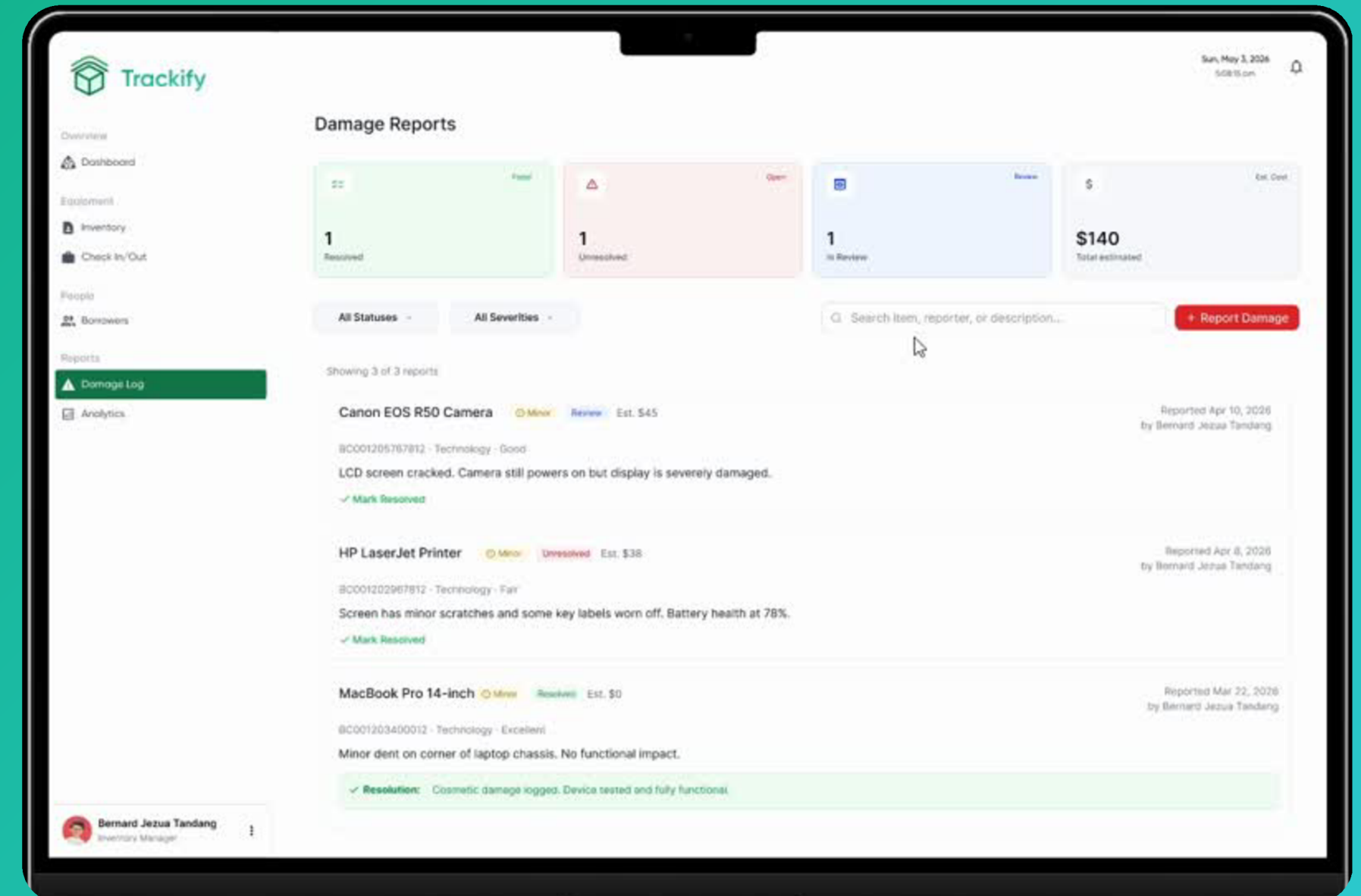
Pain Point #3:

**“How do I prove the item was
returned broken?”**

Solutions for this:

- Condition Logging – items upon returning can be logged directly to check for damages or if it was lost.
- Tracking of Item Condition – a history log of changes in condition and damages or loss can be the basis for checking.

Real-Time Metadata





Pain Point #4:

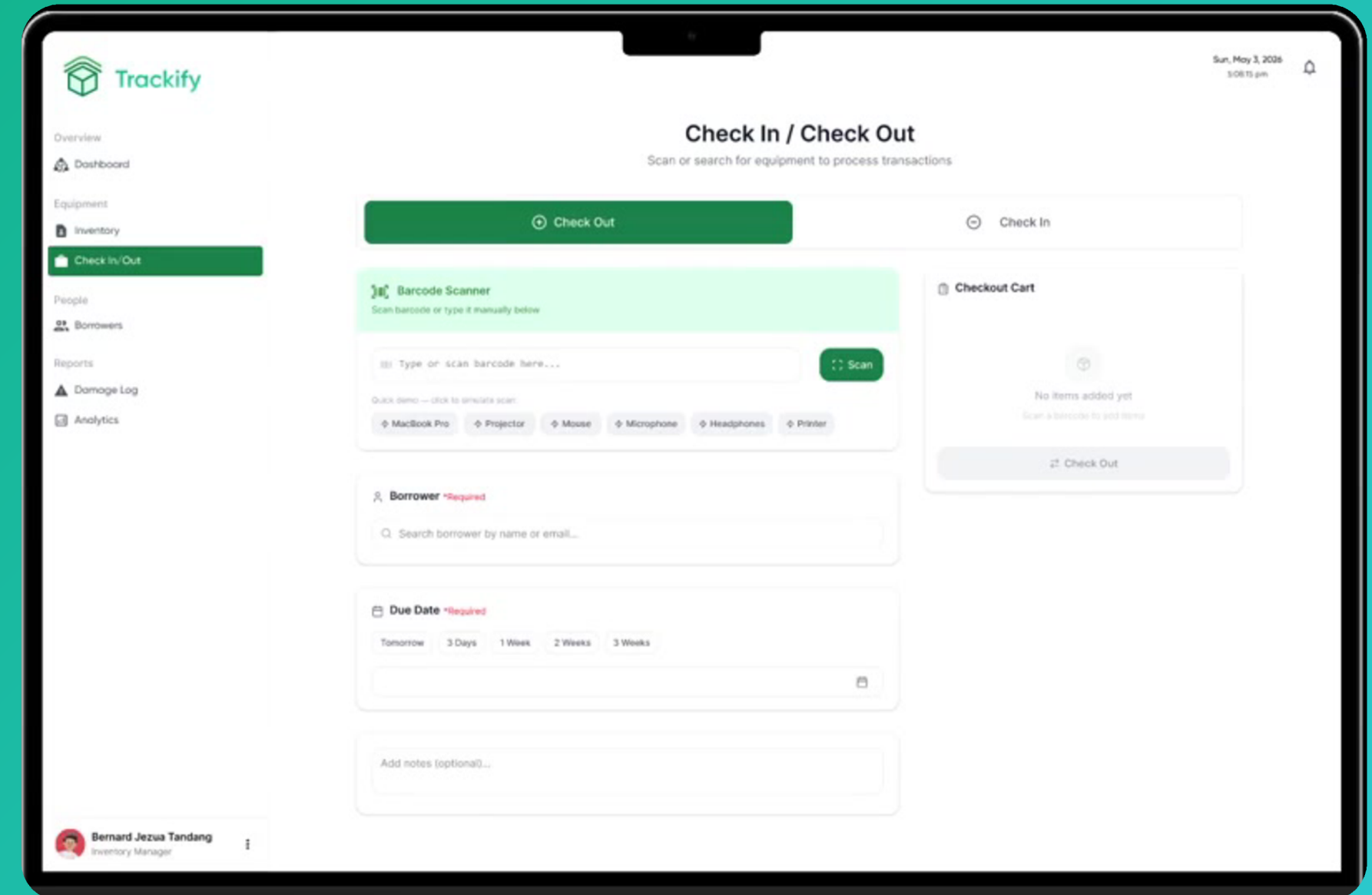
“Is the item going to the right person?”

Solutions for this:

- Required Details – the admin must input the borrower's name and email before a checkout is finalized.

Real-Time Metadata

- User Profiles – the admin can check a user's profile and past borrow logs to identify those consistently violating return periods or rules.



**"Wow! Managing
inventory never felt
so much easier."**



**"I wish I had this
before I started
my job."**

What we left out for v1 vs. later?

- We decided to focus more on the administrative side of the inventory management system rather than the borrowers side.
- The system is still up for further improvements such as User Account Views, Public Item Catalog (similar to online shopping apps), and a Reservation System.

**Thank you and that's all for
our presentation!**



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