

# Smarthub Summer Progress

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## Summary

This document provides an overview of the latest updates, including a redesigned UI, backend API development, and authentication improvements.

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## New UI

With this summer came a new mood and a new view on the project. I wanted to create something sleek, styled around modern SaaS principles, to create a familiar experience for users.

- **Color hierarchy:** Brightest colors (white) for primary components, soft gray tones for backgrounds.
- **Dashboard:** Central hub pointing users to all current features. Future versions may include graphs/data, but for alpha testing we're keeping it minimal.
- **Navigation bar:** Auto-folding, clearly labels the active tab, reduces clutter, and helps maintain user focus.



Screenshots:





## Quick Actions



### Recorder

Start recording a new test session



### Reviewer

Review and analyze test results



### Calibrator

Start calibrating your devices

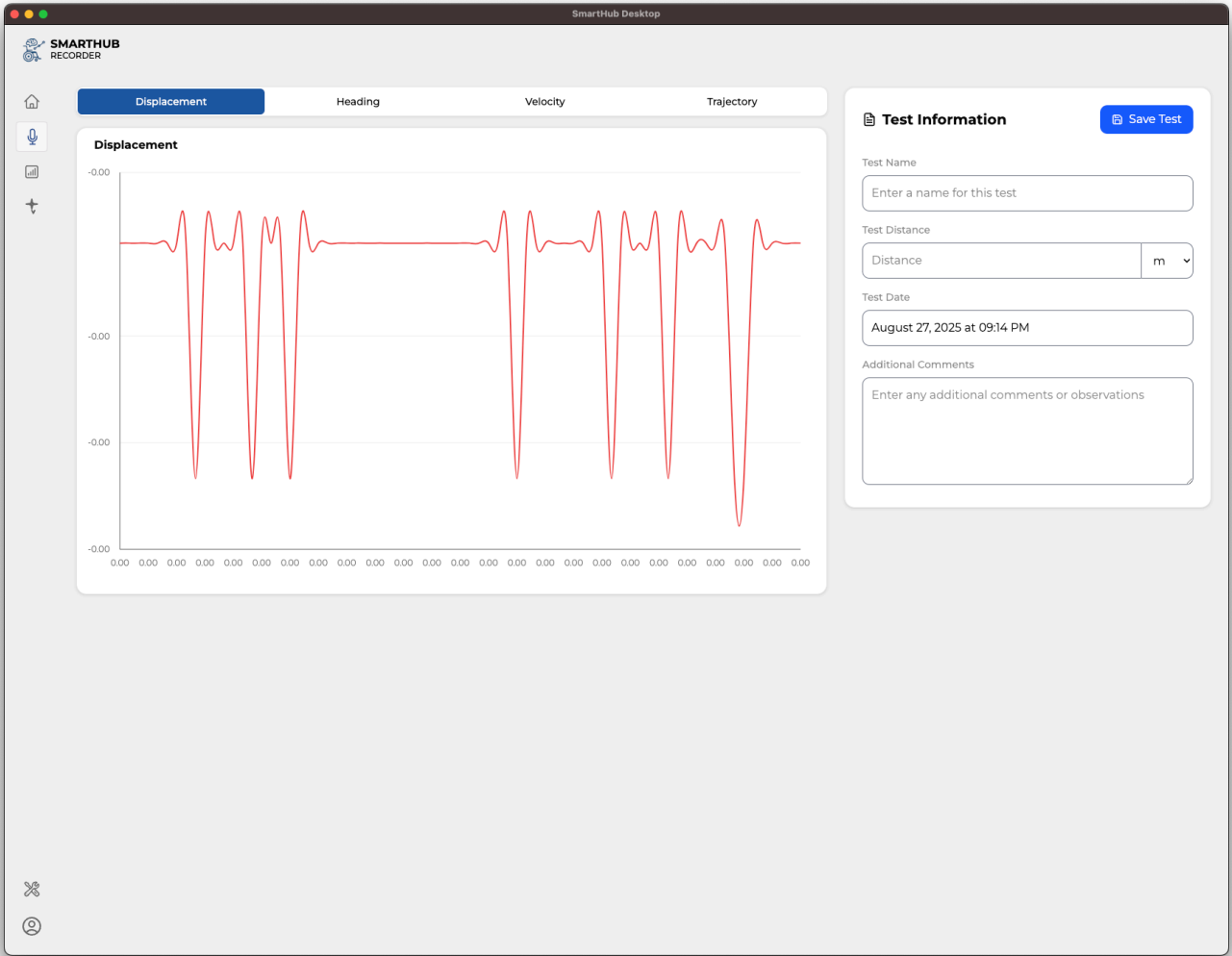
## Recent Tests

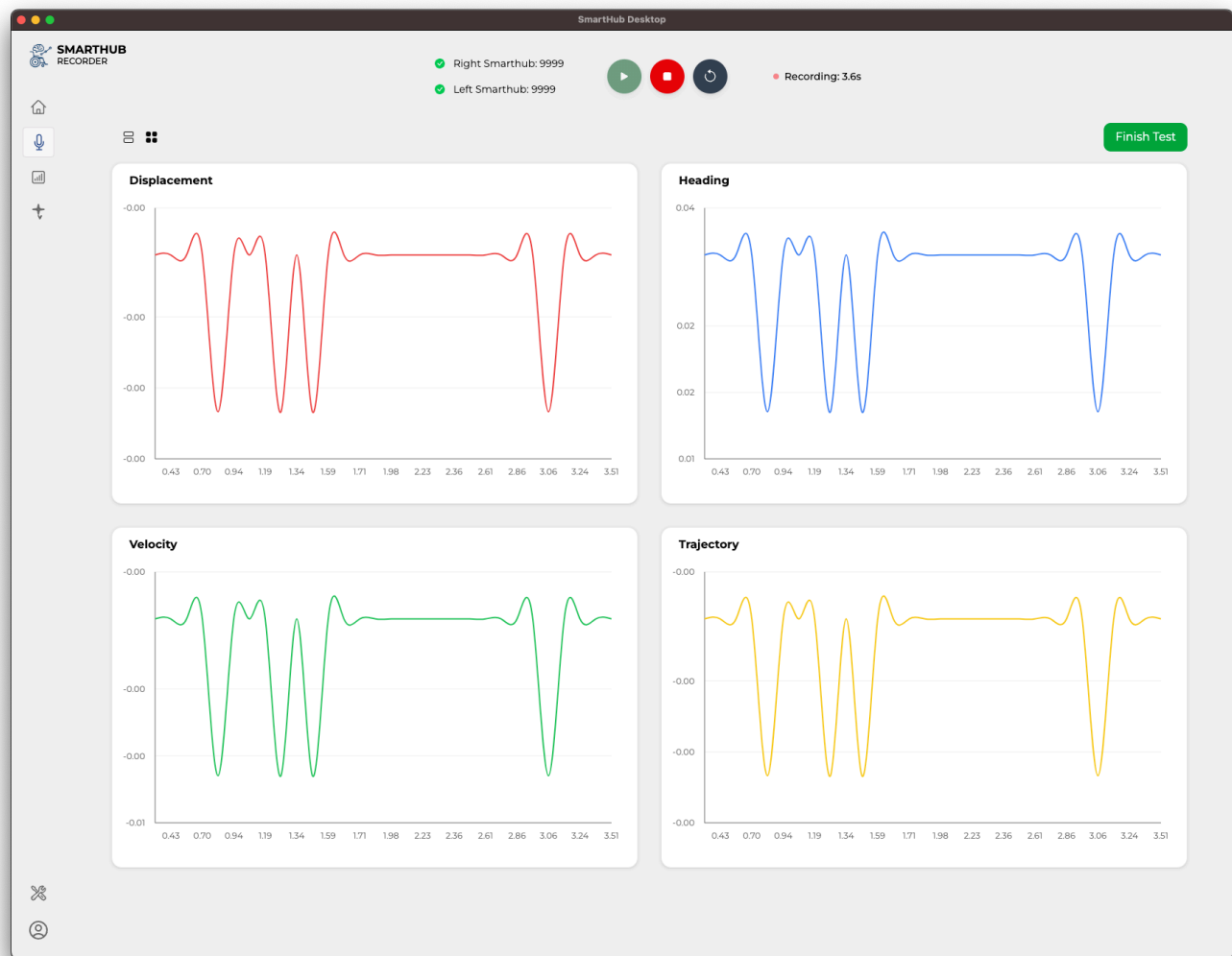
13 tests

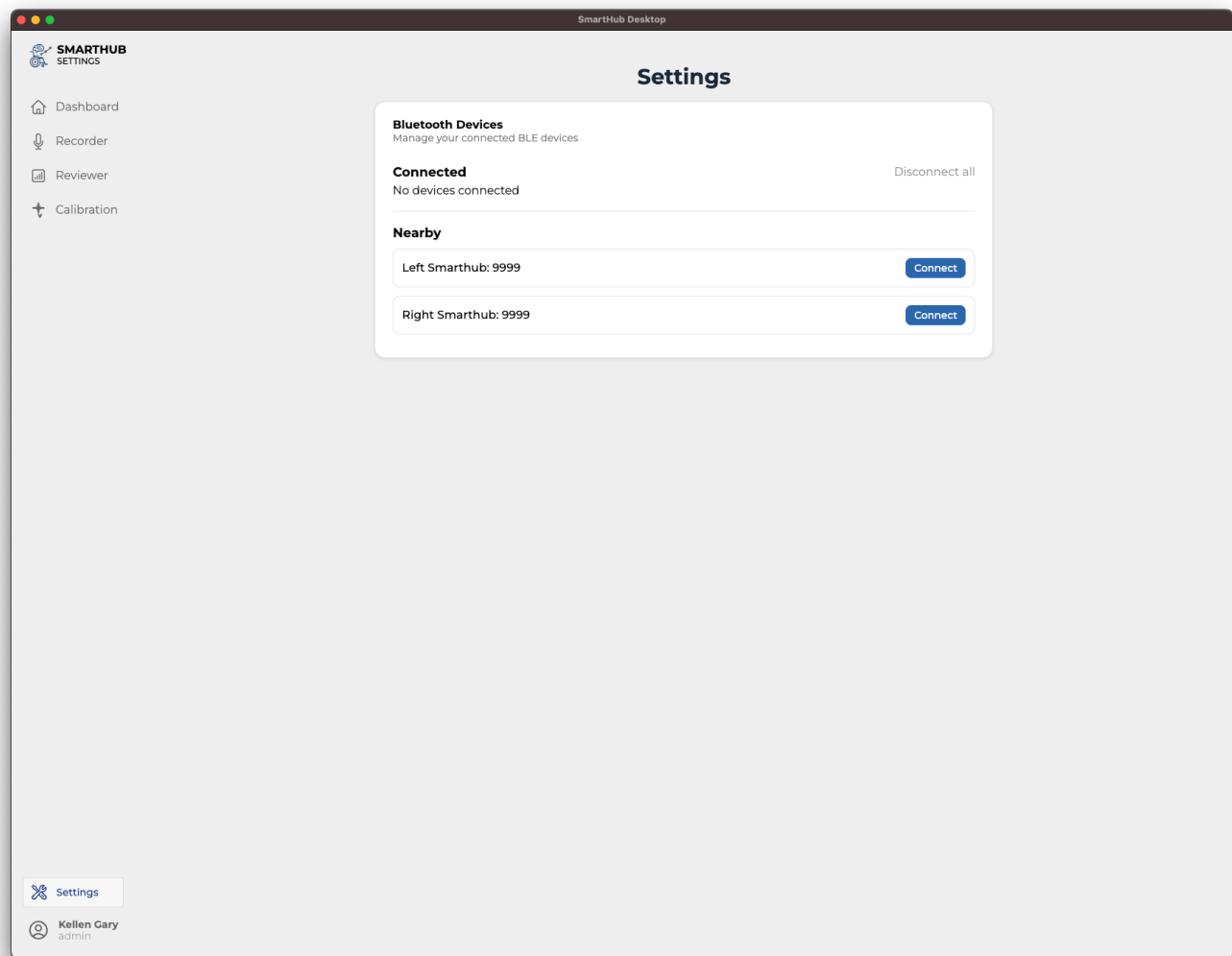
testt	Apr 17, 2025	<a href="#">View</a>
Test 12	Apr 15, 2025	<a href="#">View</a>
Test 13	Apr 12, 2025	<a href="#">View</a>
Test	Apr 12, 2025	<a href="#">View</a>
ttest	Jul 3, 2025	<a href="#">View</a>
test	Jul 10, 2025	<a href="#">View</a>
filler	Jul 24, 2025	<a href="#">View</a>
fill 2	Jul 24, 2025	<a href="#">View</a>
abc	Apr 17, 2025	<a href="#">View</a>
testName	Apr 13, 2025	<a href="#">View</a>

[View All Tests](#)









SmartHub Desktop

SMARTHUB  
REVIEWER

Home

Microphone

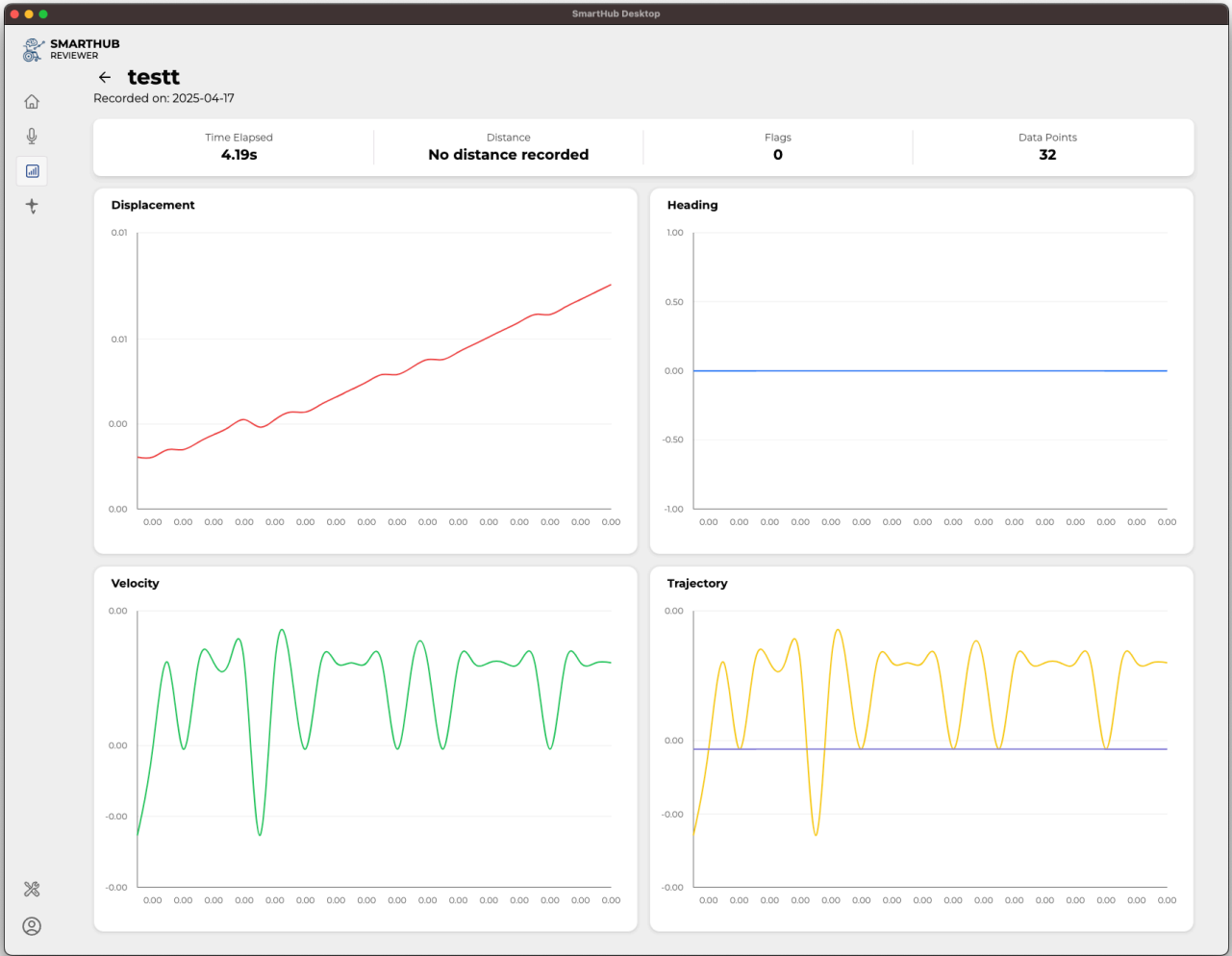
Calendar

Tools

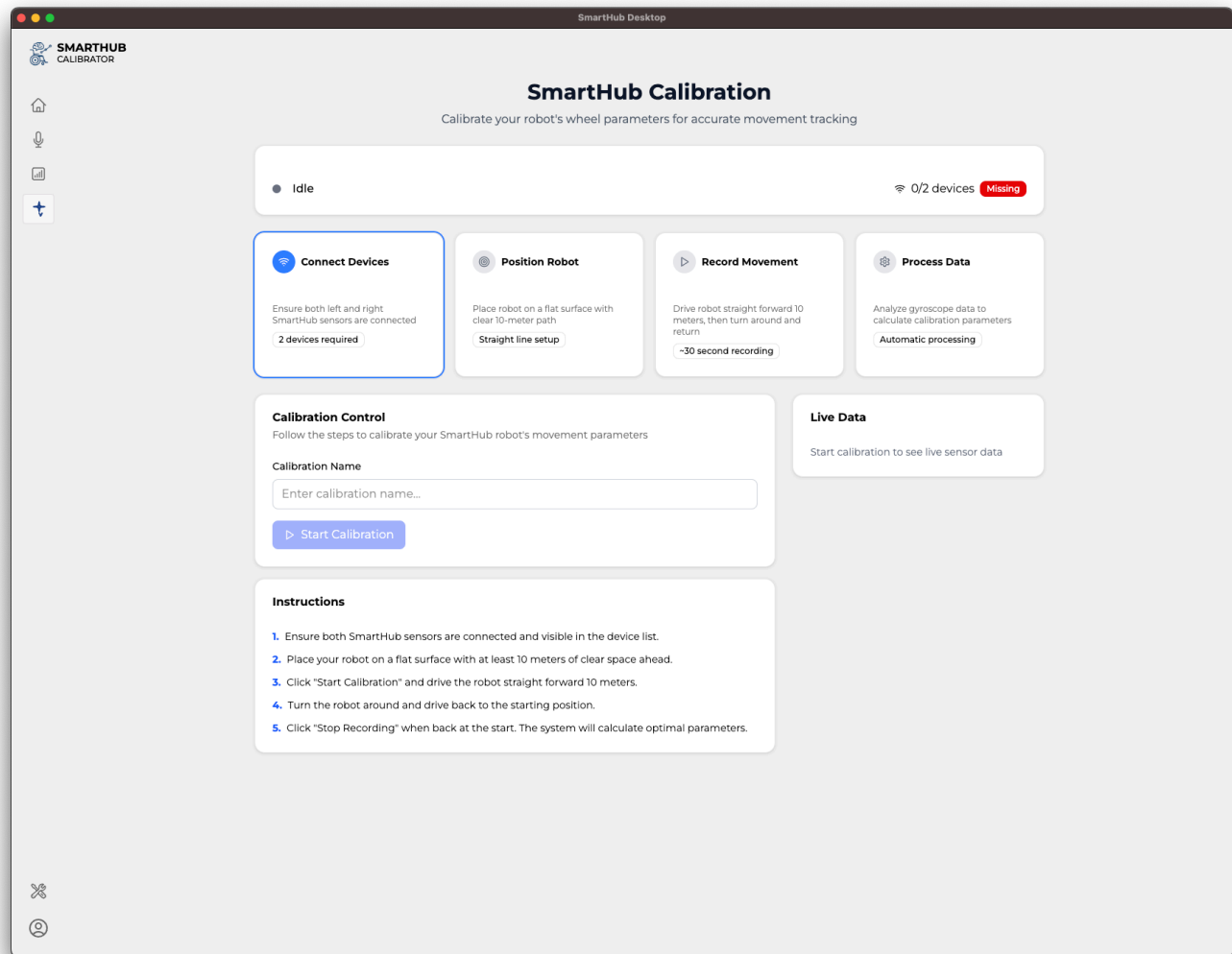
Close


Help

<b>testt</b> 4/17/2025	<b>Comments</b> No comments	<b>Distance</b> N/A	<a href="#">View</a>
<b>Test 12</b> 4/15/2025	<b>Comments</b> this is a test	<b>Distance</b> N/A	<a href="#">View</a>
<b>Test 13</b> 4/12/2025	<b>Comments</b> No comments	<b>Distance</b> N/A	<a href="#">View</a>
<b>Test</b> 4/12/2025	<b>Comments</b> No comments	<b>Distance</b> N/A	<a href="#">View</a>
<b>ttest</b> 7/3/2025	<b>Comments</b> no	<b>Distance</b> N/A	<a href="#">View</a>
<b>test</b> 7/10/2025	<b>Comments</b> No comments	<b>Distance</b> N/A	<a href="#">View</a>
<b>filler</b> 7/24/2025	<b>Comments</b> No comments	<b>Distance</b> N/A	<a href="#">View</a>
<b>fill 2</b> 7/24/2025	<b>Comments</b> No comments	<b>Distance</b> N/A	<a href="#">View</a>
<b>abc</b> 4/17/2025	<b>Comments</b> No comments	<b>Distance</b> N/A	<a href="#">View</a>
<b>testName</b> 4/13/2025	<b>Comments</b> No comments	<b>Distance</b> N/A	<a href="#">View</a>
<b>Unnamed Test</b> 8/4/2025	<b>Comments</b> No comments	<b>Distance</b> N/A	<a href="#">View</a>







 Recording:



# SMARTHUB SETTINGS



Other notes:

- Flagging removed for now (needs a better system).
  - Recording screen updated with:
    - New charts
    - Improved controls
    - Device connection checks
    - Refined submission screen
- 

## Backend API

The addition of a backend is crucial for deployment and long-term flexibility. Since this is a desktop app, shipping updates with every change isn't ideal.

- **Purpose:**
  - Enable server-side changes without forcing app updates
  - Improve data processing & scalability
  - Ensure security for sensitive medical data
- **Infrastructure:**
  - Dockerized API (self-hosted, free unless scaled up)
  - Supabase + SQL RLS policies to protect data
  - JWT token storage handled by Supabase (no frontend revalidation loop)
- **Example flow:**
  1. User logs in
  2. Supabase stores client + JWT
  3. Backend fetches recent tests (if authenticated)
  4. Unauthorized users → redirect to login & 403 error

 [View current API routes \(Postman Collection\)](#)

(Note: API not yet deployed)

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## Authentication

Authentication is now implemented, securing the entire application.

- **Features:**
  - Email + password signup/login
  - Automatic role assignment ( `clinician` )

- Metadata storage per user
- **Future improvements:**
  - Azure SSO (since campus uses Microsoft)
  - Role-based permissions (clinician vs admin)
  - RLS-driven access control for analytics