Milestone 4

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Challenges During Project

- Initial difficulty populating Angular forms with retrieved data due to mismatched API response format (array vs. object)

- Boolean values from the backend were returned as integers, requiring manual normalization

- Navigating back to the list view didn't reset selected equipment, causing stale state

Pending Bugs/Issues

- When canceling a delete action, the app currently returns to the full equipment list. Ideally, it should return to the specific equipment's detail view, but I couldn't get the routing logic to support it

- The UI is plain and lacks visual polish. While it works, it needs enhancements in layout and color to feel more engaging

- Users cannot currently search or filter equipment by category or keyword

Lessons Learned

- Always Inspect API Responses: Even small mismatches (like arrays vs. objects) can break data binding

- Creating standalone Angular components made routing and reuse much easier

- Console logs helped trace data flow and debug issues quickly

Conclusion

- This milestone focused on building the Angular front-end to consume the REST APIs created in the backend. I gained practical experience in handling data binding, component architecture, and routing in a real application