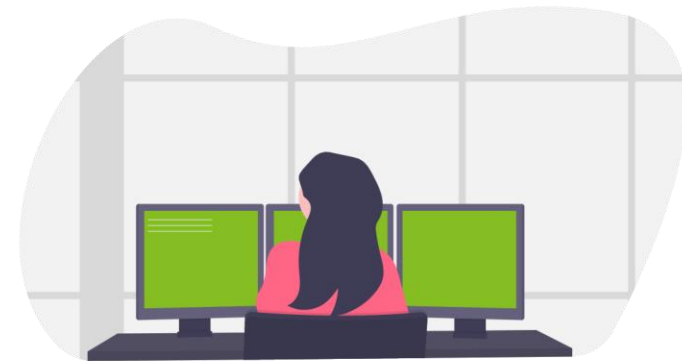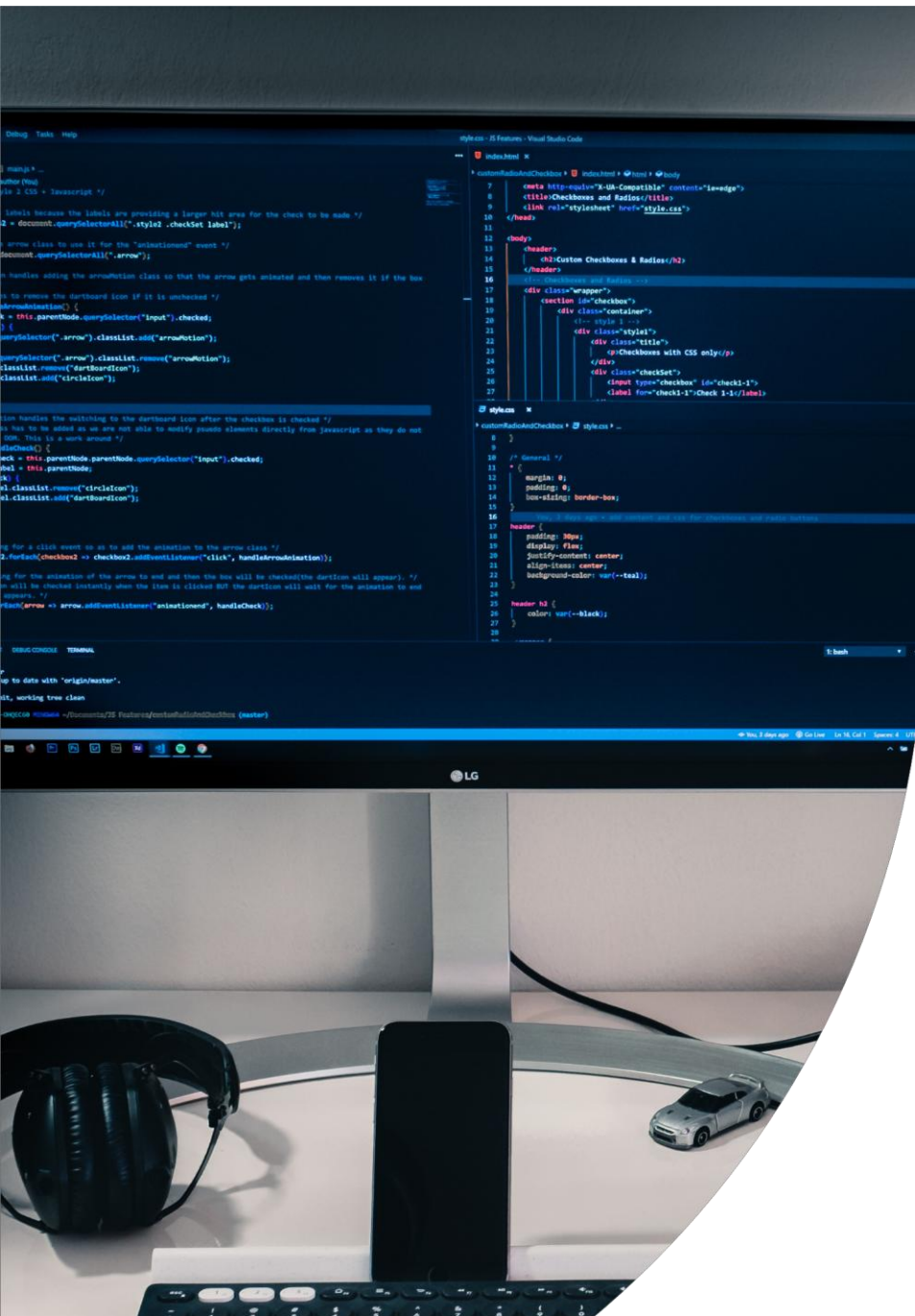# Software Development Proposal

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1. Overview

This proposal outlines the development of a secure, internal-use dashboard for Daikibo Industrials, displaying the real-time health status of all telemetry-monitored machinery. The dashboard will cover 9 machines across each of Daikibo's 4 factories, providing a unified, collapsible interface tailored for operational transparency and efficiency. The solution is designed to integrate seamlessly with Daikibo's existing infrastructure, ensuring accessibility within the intranet and compatibility with the internal authentication system.

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2. Scope

The project involves the creation of a single-page web dashboard that:

- Displays the current health status of all telemetry-integrated machines across 4 factories.
- Supports collapsible and expandable views at both the factory and individual machine level.
- Includes machine status history upon expansion for easy traceability.
- Ensures accessibility only via the internal company intranet.
- Authenticates users via an existing internal authentication server (SSO-compatible).
-

The UI will be clean, responsive, and intuitive, ensuring that operators and managers can access insights quickly and reliably. Refer to the included graphics for layout and interaction examples on the next page.

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✓ 🏭 **Daikibo Factory Meiyo**   Last update: **<1min** ago   ◀

✓ 🏭 **Daikibo Factory Seiko**   Last update: **<1min** ago   ◀

✓ 🏭 **Daikibo Berlin**   Last update: **<1min** ago   ◀

✕ 🏭 **Daikibo Shenzhen**   Last update: **<1min** ago   ▽

   ✕ 📡 **CNC**   Last update: **2min** ago   ▽

      ✕ 🖥 **Status: Unhealthy**   2min ago

      ✓ 🏭 **Status: Healthy**   12min ago

                              Load More

   ✓ 📡 **LaserCutter**   Last update: **<1min** ago   ◀

   ✓ 📡 **HeavyDutyDrill**   Last update: **<1min** ago   ◀

   ✓ 📡 **SpotWelder**   Last update: **<1min** ago   ◀

   ✓ 📡 **LaserWelder**   Last update: **<1min** ago   ◀

   ✓ 📡 **MetalPress**   Last update: **<1min** ago   ◀

   ✓ 📡 **Furnace**   Last update: **<1min** ago   ◀

   ✓ 📡 **ConveyorBelt**   Last update: **<1min** ago   ◀

   ✓ 📡 **AirWrench**   Last update: **<1min** ago   ◀

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3. Estimate

The estimated effort required to complete the dashboard project is **80 man-hours**. This includes time allocated for requirements gathering, design and development, testing, and final deployment. The table below provides a breakdown of the estimated time across various phases of the project:

Phase	Requirements & Setup	Frontend Development	Backend Development	Authentication Integration	Status History & Collapsing Views	Testing & QA	Deployment & Handoff
Man-Hours	10 hours	20 hours	16 hours	8 hours	12 hours	10 hours	4 hours

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4. Timeline

1. [1st of September 2024] **Design starts**

2. [8th of September 2024] **Development environment and data setup complete**

3. [15th of September 2024] **Authentication integration and backend development begins**

4. [29th of September 2024] **Frontend and UI components implemented**

5. [6th of October 2024] **Collapsible views and historical data integration complete**

6. [13th of October 2024] **Internal QA and testing phase**

7. [20th of October 2024] **Client feedback and final adjustments**

8. [27th of October 2024] **Deployment and project handover**

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5. Support

Ongoing support will be provided post-deployment. This includes:

- **Bug Fixes**: Resolution of any critical issues encountered in production.
- **Support Tickets**: Email or portal-based ticketing system for reporting and tracking issues.
- **Feature Requests**: Future functionality enhancements based on operational needs.

We are committed to ensuring that the dashboard remains reliable and useful as Daikibo's needs evolve.

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