

1. Overview

The project is a program for the client and creating a private dashboard with the health status of the 9 machines in each of Daikibo's 4 factories, for which they collect telemetry. The program should have the following features:

* Access to the page happens only within the client's Intranet.
* Authentication is synced to the internal authentication server (users can leverage their company-wide accounts).
* The dashboard consists of a single page, listing the current statuses of all monitored devices.
* The view is collapsible/expandable at a factory level, as well as device level (showing history of statuses).

2. Scope

The project will have the following features and elements:

* A dashboard with a single page that gives a real-time status of the overview of processes and smart alerts when things break, with this feature the client can take decisions faster and will resolve issues easier so this will increase the work efficiency.
* The dashboard will have the following security measurements:
  + The dashboard will be accessed by the client’s network using WAN internet setup or VPN so that the data will be accessed only by the client,
  + Authentication process with two key verifications, one provided by the person who wants to log in the dashboard and a key provided by a special server at the client’s network, together they authorize the person to enter the dashboard.
* The dashboard will contain a visualization of the processes of the machines and will grant the ability to check the current or old status of the machines.
* The ability to visualize a summary about any machine to check it is efficiency



3. Estimate

[*An estimate of the total number of man-hours needed to get this project done + a breakdown of those hours into Development, Testing, and Integration of the product in the client’s Intranet*]

The project requires 50 man-hours to take it from prototyping to deployment:

* UX/UI developer: 10 hours
* Flask Developer: 20 hours
* DevOps Developer: 20 hours

4. Timeline

1. [1st of September 2021] **Design starts**
2. [5th of September 2021] finish Prototype
3. [7th of September] Start the development
4. [10th of September 2021] design the network traffic and analyze and build the server for storage and access
5. [15th of September 2021] test and deploy the product

5. Support

[*Describe our ability to continuously support the product built in this project*]

* Monthly check service to check and maintain the dashboard to check it.
* Monitor the traffic of the dashboard and protect it from any security hacks
* Customer support anytime.