

Asset Management Project

Objective:

The objective of this project is to build a node.js web application that will help a company track its assets which are being used by its employees. Assets include all tangible items like laptops, cell phones, modems, tools, etc.

Detailed Requirements:

1. **Employee Master:** Add/Edit/View all employees in the company. Provide filters for active/inactive employees along with search capabilities.
2. **Asset Master:** Add/Edit/View all assets in the company. Provide filters for asset type, search by make/model etc. Each asset should be identifiable by its serial number as well as unique id.
3. **Asset Category Master:** This will drive the various hardware types being used. Eg Laptop, Mobile Phone, Screw Driver, Drill Machine etc.
4. **Stock View:** Bird's eye view of assets in stock (i.e, ready to give to any employee). Show totals by branch along with total value in footer.
5. **Issue Asset:** This page will allow users to issue an asset to an employee.
6. **Return Asset:** This page will allow users to get back an asset from an employee. Should capture reason for return (upgrade, repair, resignation etc).
7. **Scrap Asset:** This page will allow users to mark an asset as obsolete, following which those asset(s) should not be visible in any page except in reports.
8. **Asset History:** Allows users to view the entire history of an asset from its purchase to scrap. This helps to understand the utilization of money invested in it.

Tech Stack:

1. Node.js (express server)
2. PostgreSQL DB
3. Sequelize ORM
4. Jade - for HTML
5. Bootstrap
6. CSS
7. DataTables.net (to display data in tables)