

# Team PLED

## Team member

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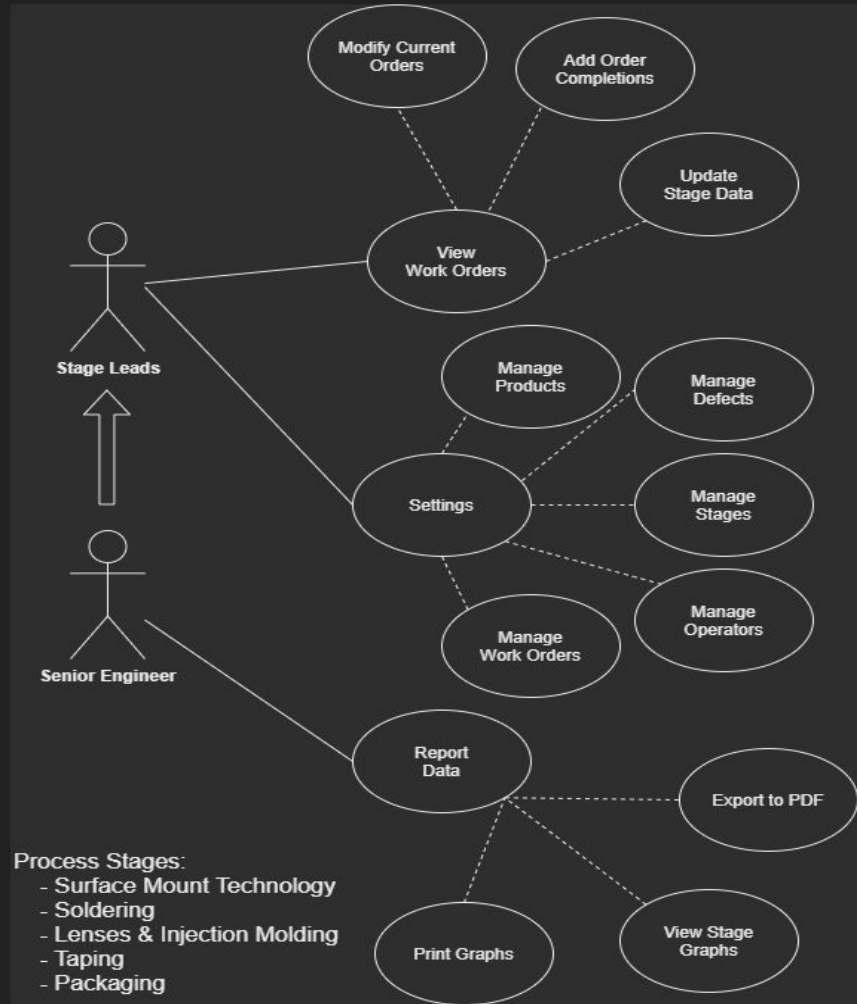
# Description

- This is a web application for the Principal LED (LED light manufacturing) company that uses a web app framework to get excel reports out of a database that keeps track of employee, process, and company activities.
- Currently has a digital recording system for employers and process productivity. System is part database and web-based, and part Excel-based reporting.
- They want to redesign the system into a complete cycle application (creating reports within the application), removing the need for Excel.
- The stack that they used was the LAMP (Linux, Apache, MySQL, PHP) stack, with Laravel as their framework of PHP, and the new stack used is MERN (MongoDB, Express.js, React.js, Node.js).

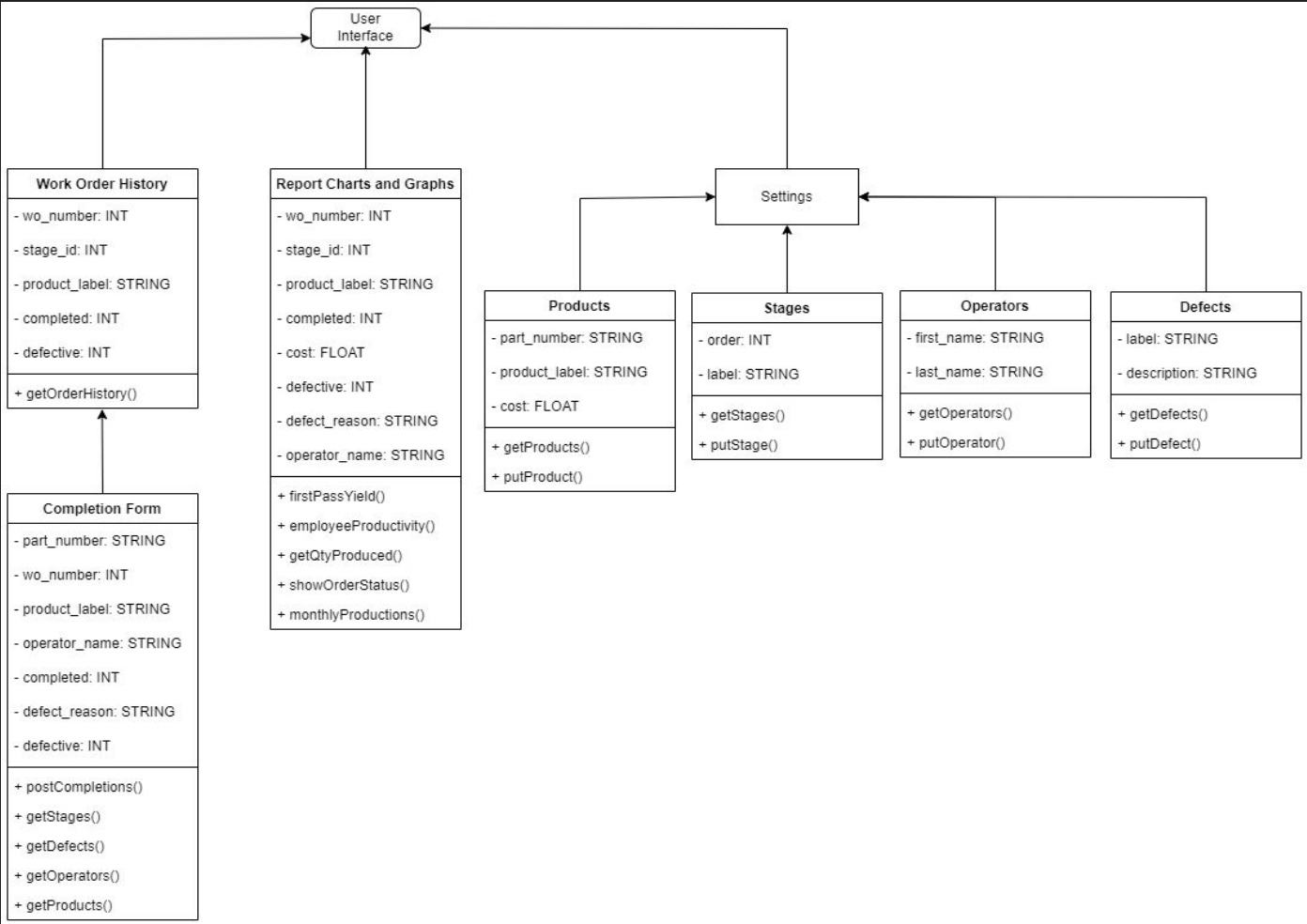
# Feature List

- View all work orders (old and new), modify existing orders, and add new orders.
- Manage the settings for products, stages, and defect reasons. The settings allow adding, modifying, or removing products and possible product defects.
- Export all production data within a certain time frame (24 hours, month, quarter, etc.).
- Display work order process and employee productivity graphs and charts for every stage of the process (smart mount technology, soldering, injection molding, taping, packaging).
- Display work order competition table for the whole month, showing what and how much was produced for that month.

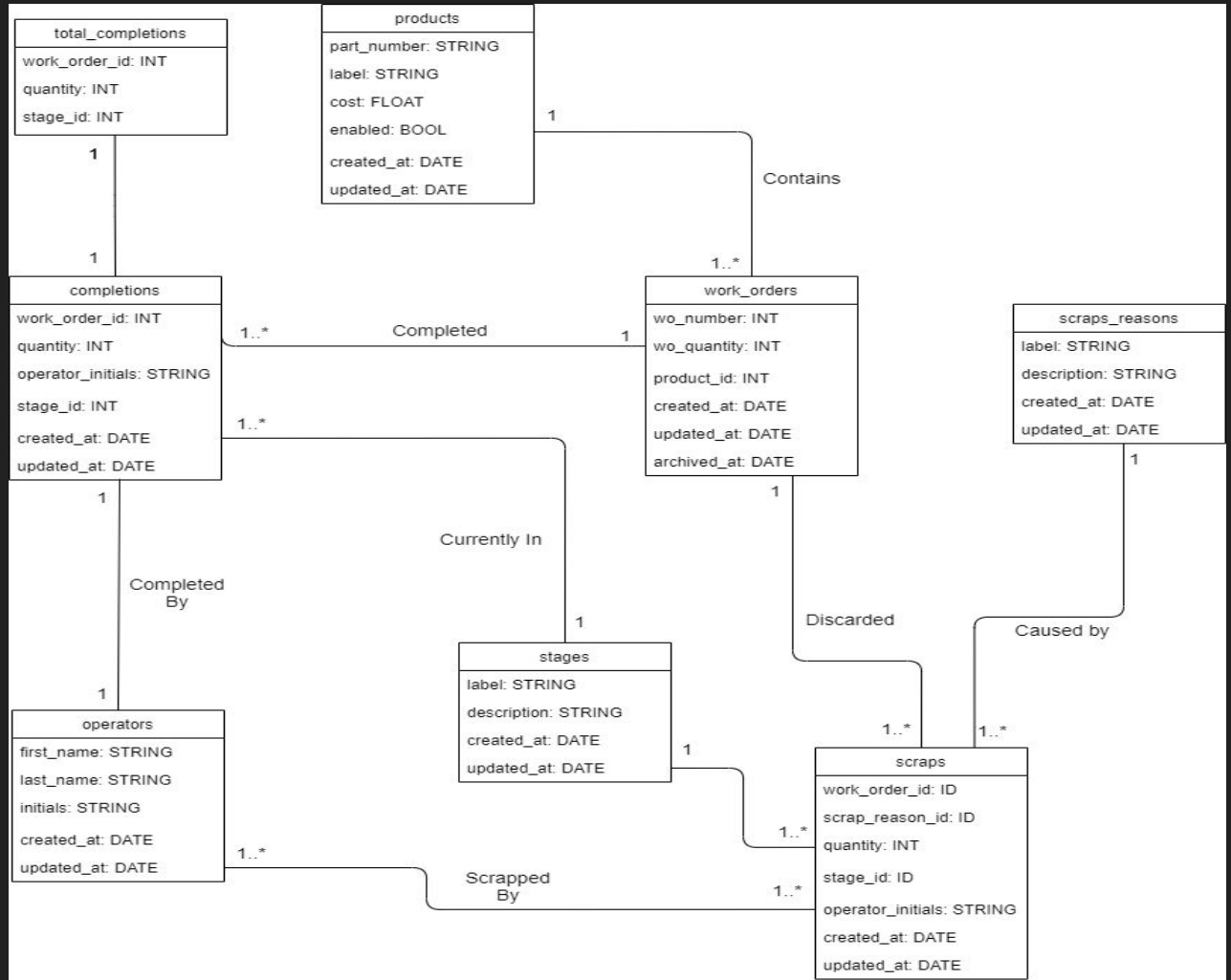
# Use Case Model



# Subsystems

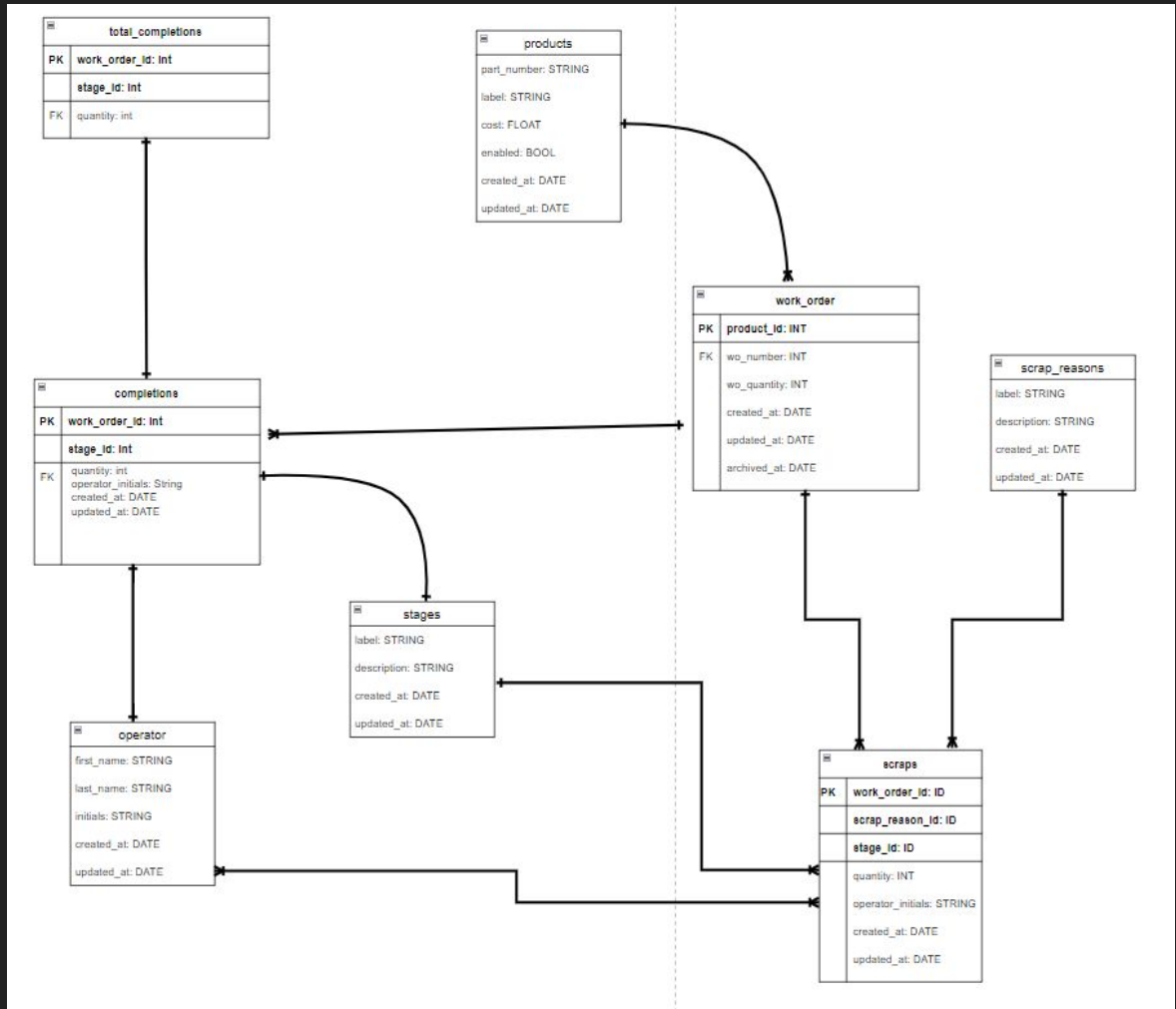


# Class Diagram



# Data Management

- MongoDB
- API Requests



# Installation Guide

- User manual and installation guide on the [GitHub Wiki](#).

