

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS)



MANUFACTURING ENTERPRISE RESOURCE PLANNING (ERP)



Mr. SATHIYASEELAN SELVAJRAJ, CEO DXSO Pvt Limited, Hosur

SUBMITTED BY

ABISHAKE D
GOPALA G
GOKULRAJ S P
GOPI V
HARISH M
CHITRA LAKSHMI S R

INTRODUCTION:

- Manufacturing ERP (Enterprise Resource Planning) web application, designed to optimize manufacturing processes.
- It integrates various business processes into centralized system, that facilitates efficient management of the manufacturing process.

OBJECTIVES:

- Develop a Operator-friendly web application that integrates BOM processing, job scheduling, operator tracking, order tracking, inspection.
- Provide a centralized system enabling efficient resource allocation, accurate scheduling, and effective quality control.

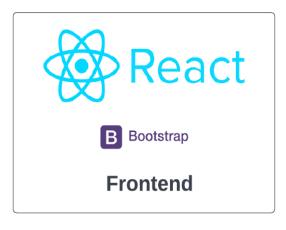
EXISTING SYSTEM:

- The current state of the manufacturing process management relies on manual systems (**EXCEL**) that lack integration and automation.
- These systems often include a combination of spreadsheets, paper-based documentation, and standalone software applications.

PROPOSED SYSTEM:

- Manufacturing ERP web application developed allows administrators to manage and track customer orders efficiently.
- It provides a operator-friendly interface for entering order details, such as order number, customer name, part number, quantity, and deadline.

TECHNOLOGY USED



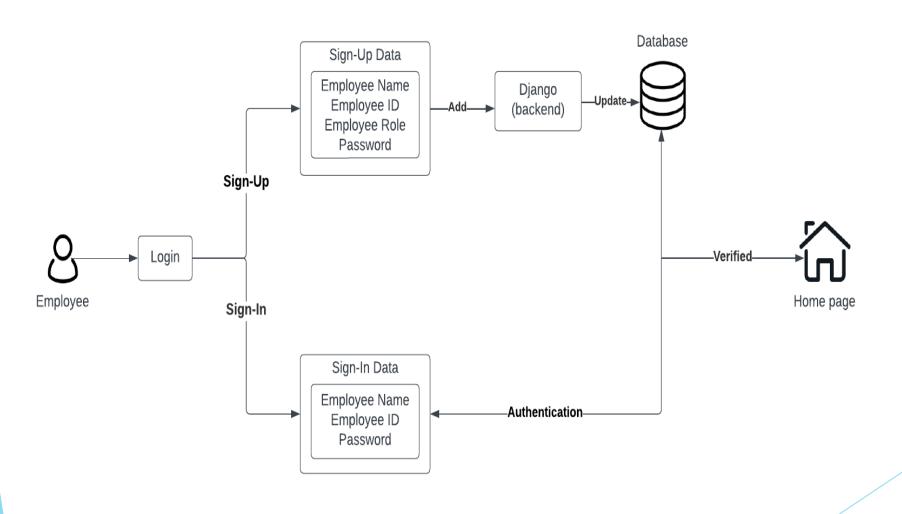




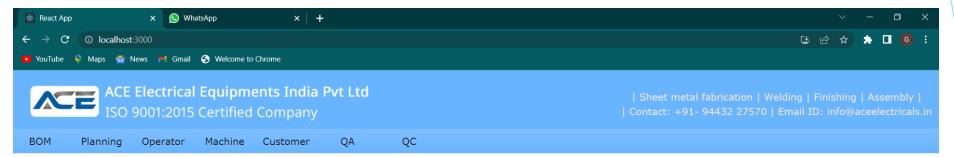
MODULES

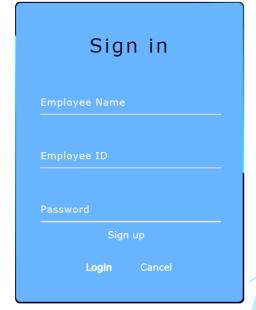
- ▶ 1. HOME PAGE
- ▶ 2. BOM VIEWER
- > 3. PLANNER
- ▶ 4. OPERATOR
- ▶ 5. QUALITY ASSURANCE
- ► 6. QUALITY CHECK

HOME ARCHITECTURE:



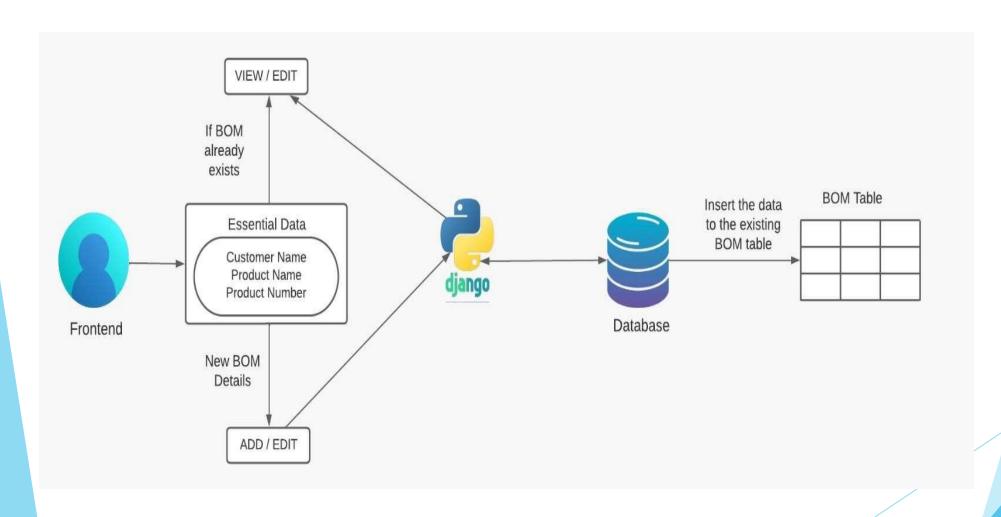
HOME PAGE:



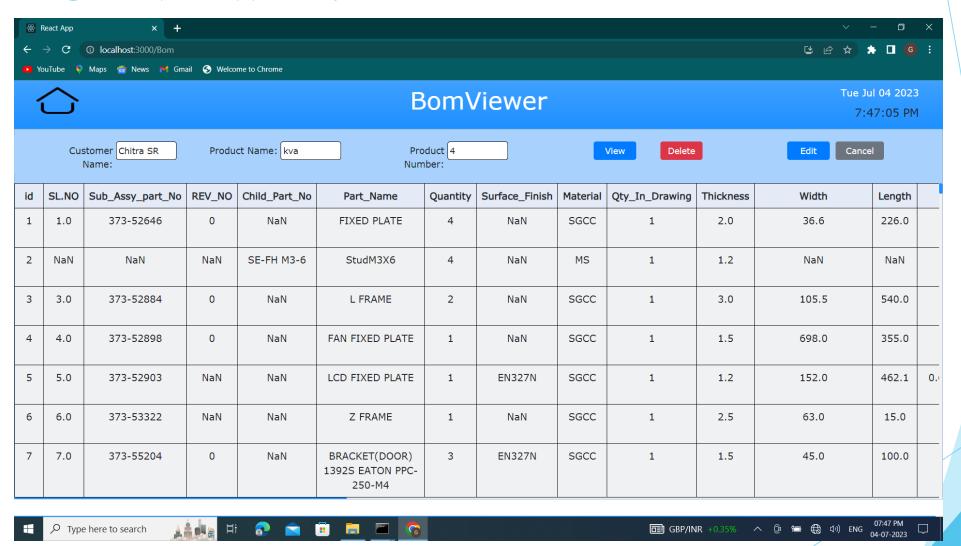




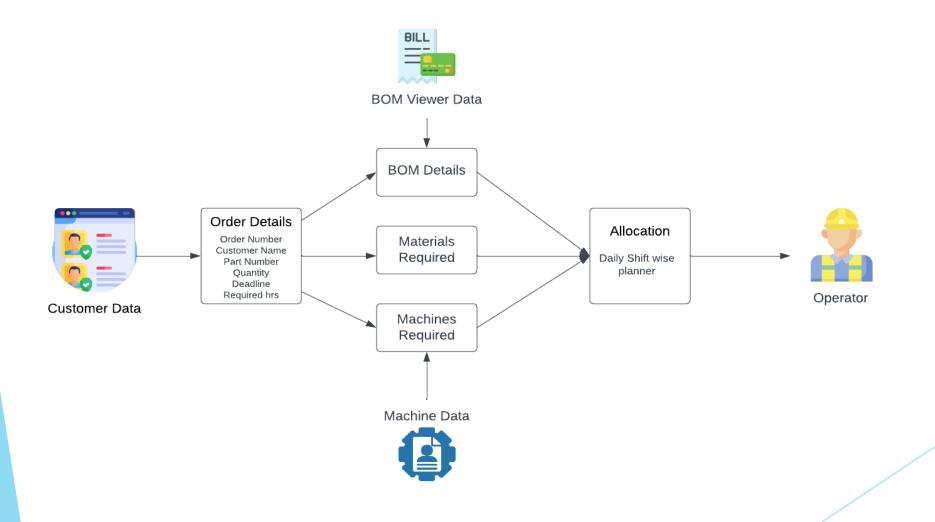
BOM VIEWER ARCHITECTURE:



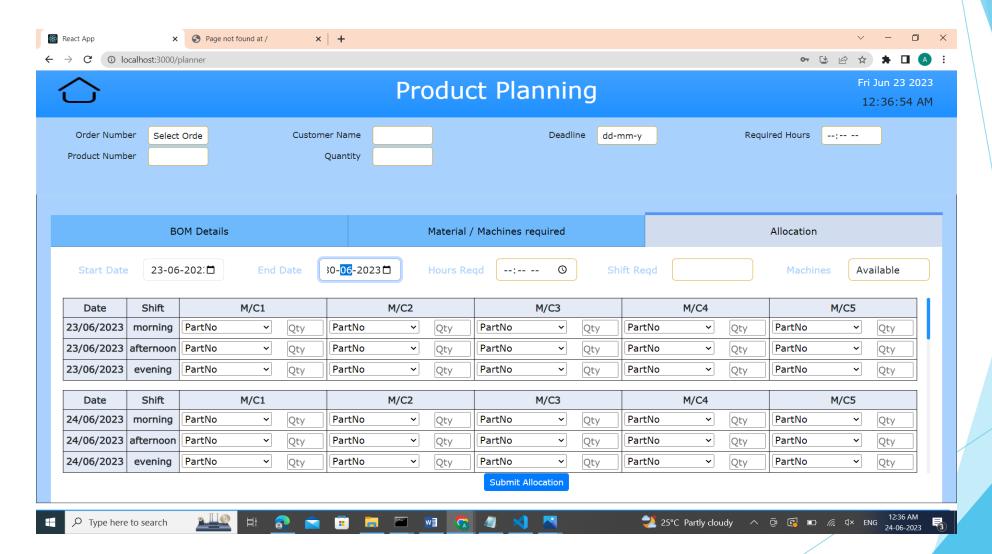
BOM VIEWER:



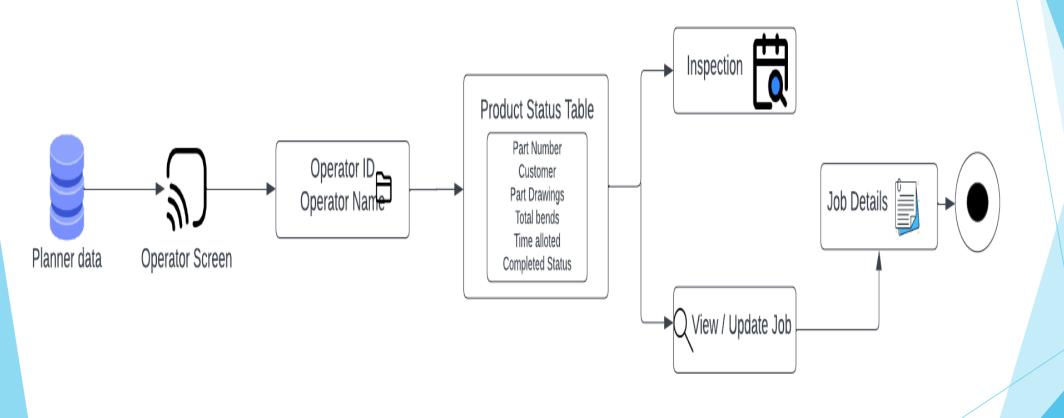
PLANNER ARCHITECTURE:



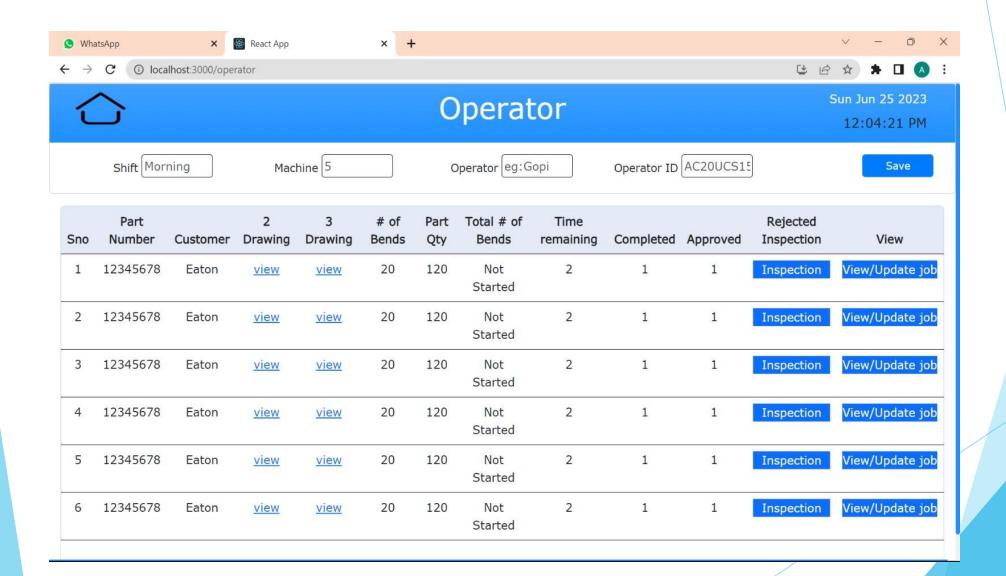
PLANNER:



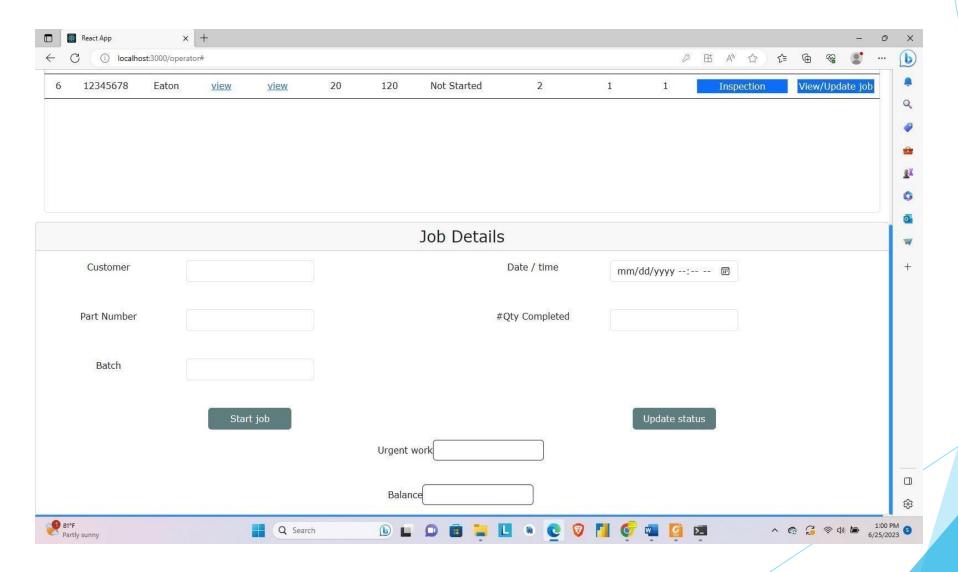
OPERATOR ARCHITECTURE:



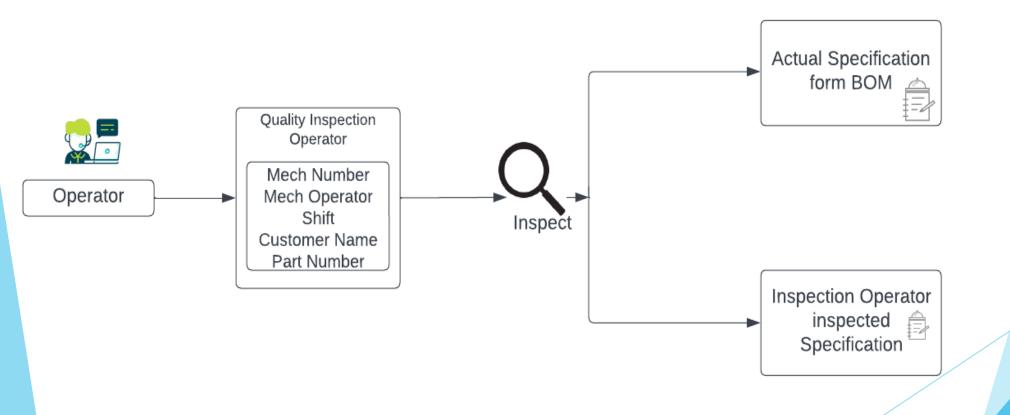
OPERATOR:



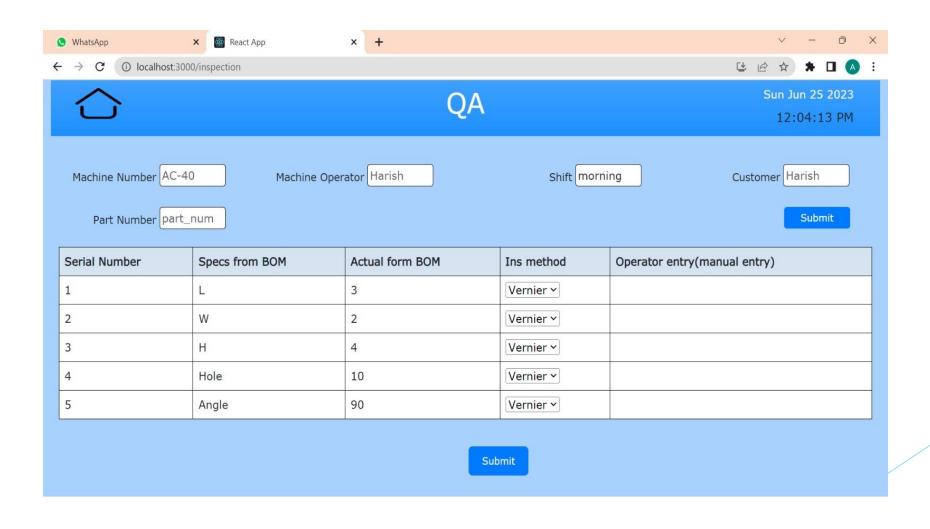
OPERATOR RESULT



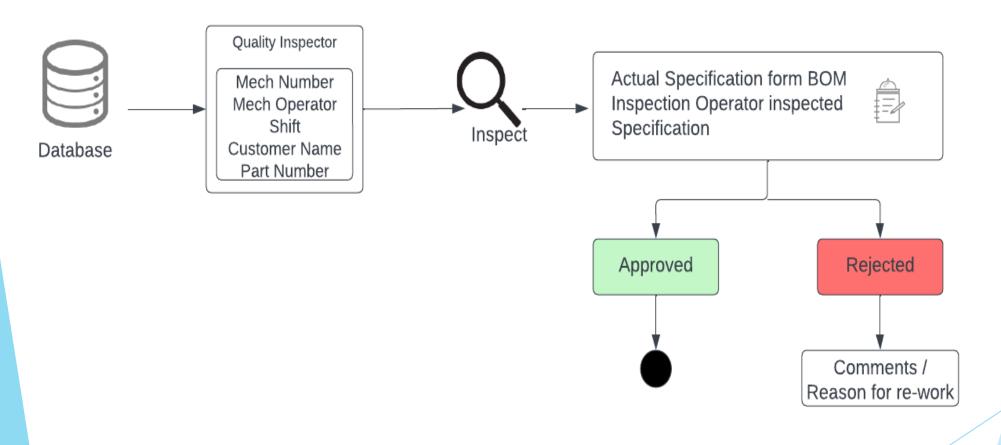
QUALITY ASSURANCE ARCHITECTURE:



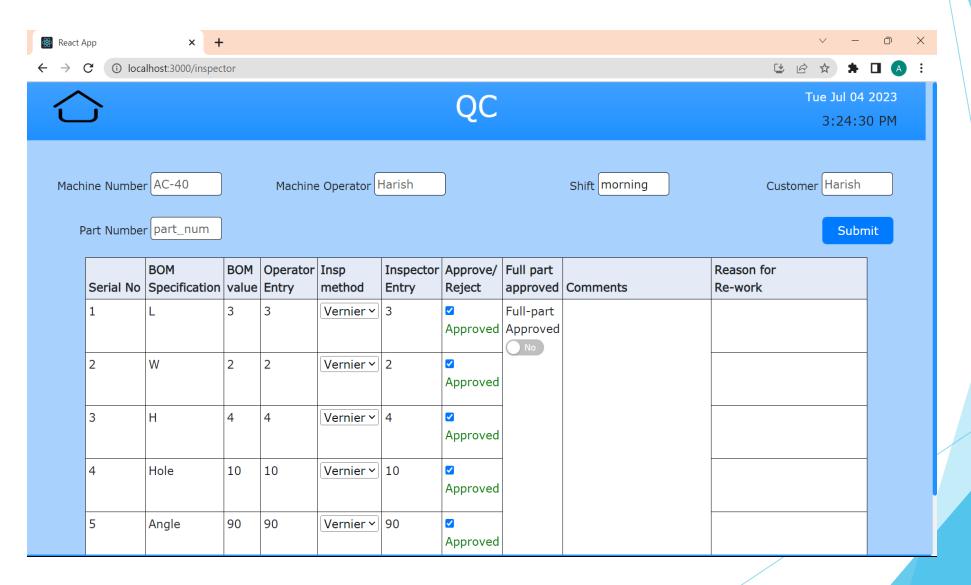
QUALITY ASSURANCE:



QUALITY CHECK ARCHITECTURE:



QUALITY CHECK:



CONCLUSION:

- This System aimed to streamline and automate the processes.
- The implementation of this system enables a smooth flow of data and tasks throughout the manufacturing process.