

## Project: Manufacture

Name	Role	ID
Abdullah Adel Eid Sharaawy	Scrum master	20230522
Youssef Mohamed Eldwaltly	Product owner	20230511
Omina Hassan	UI/UX lead	20231027
A'laa fathy sadek	Analysis Lead	20231025
Mahmoud Adel	Design Lead	20230617

**Sprint Goal:** The goal of this sprint was to develop and document the functional requirements related to the Production Roles within the manufacturing management system. The team focused on analyzing and modeling the system features that define the roles and interactions of workers, supervisors, and managers.

**The sprint work included the following:**

### **Functional Requirements (FRs)**

- 1- Documented and standardized FRs for chosen user stories concerning Production Roles.
- 2- Defined role-based permissions, activities, and responsibilities for managers, supervisors, and workers.

### **Use Case Models**

- 1- Produced use case diagrams and use case descriptions for each of the defined Production Roles.
- 2- Illustrated role-based interactions such as task assignment, monitoring production, and reporting performance.

### **UI/UX Design**

- 1- Designed early user interface concepts based on the workflow for each role.
- 2- Focused mainly on accessibility and usability between roles in an effort to promote productivity on the production line.

## **Sprint Deliverables:**

**The main deliverables include:**

### **1. Functional Requirements Document (FRD)**

- Documented detailed functional requirements for selected user stories related to the roles of workers, supervisors, and managers.
- Specified each role's responsibilities, accessible features, and interactions with the system.

### **2. Use Case Models**

- Developed use case diagrams and descriptions illustrating how each role interacts with the system.
- Included scenarios such as task assignment (supervisors), task execution (workers), and performance monitoring (managers).

### **3. UI/UX Design Prototypes**

- Created user interface mockups for the selected user stories to visualize role-based workflows.
- Ensured consistency in layout, navigation, and usability across all roles.

### **4. Initial Class Diagram**

- Created an initial class diagram focused on the Production module, representing the key classes, attributes, and relationships related to workers,

supervisors, and managers. Prepared materials for review and validation in the next sprint.

- The diagram serves as the foundation for modeling the production-related structure of the system.

### **Next Step:**

In the next sprint, the team will focus on re-scoping the project according to re-prioritized business requirements.

### **Specifically, the team plans to:**

- 1- Remove all the existing user stories, functional requirements (FRs), use cases, and related design elements of the Worker–System interactions.
- 2- Insert new user stories with focus on the Human Resources (HR) and Sales modules of the system.
- 3- Begin to define the functional requirements, use case models, and UI/UX designs of these new modules.
- 4- Ensure that the new scope is aligned with overall project objectives and system architecture.

**This change will enable the team to advance the project's functionality into new operating areas while retiring old or low-priority aspects.**