# Phase 1: Problem Understanding & Industry Analysis

**Goal**: Understand what we're building and why.

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## 1. Requirement Gathering

Talk to stakeholders (project managers, team leads, employees).

Example requirements:

- Track all tasks with details (task name, assigned employee, deadline, priority, status).
- Record daily/weekly task progress.
- Send automated reminders for upcoming or overdue tasks.
- Generate dashboards (e.g., completed tasks vs pending tasks, employee productivity).
- Provide role-based access for employees, managers, and admins.

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## 2. Stakeholder Analysis

- **Admin (You)** → sets up Salesforce org, manages users, objects, and automation.
- **Manager**→ monitors team task completion, approves critical tasks, and reviews dashboards.
- **Employee**→ creates and updates tasks, marks tasks complete, and logs work hours.
- **HR / Project Lead(optional)**→ analyzes productivity trends, generates reports for management.

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## 3. Business Process Mapping

**Flow Example:**
Employee creates a task → Task assigned to self or team → Status updated daily → Manager reviews weekly → Automated reminders for overdue tasks → Reports & dashboards update → Manager takes action → Admin monitors org setup and workflow.

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## 4. Industry-Specific Use Case Analysis

For IT / corporate project management:

- Employees need clear visibility of tasks and deadlines to avoid missed deliverables.
- Managers need real-time dashboards to track team productivity.
- Automated reminders help prevent overdue tasks.
- Reporting on completion rates helps measure performance and plan resource allocation.

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## 5. AppExchange Exploration

- Search for project management apps on AppExchange (e.g., “Task Management” or “Project Tracker”).
- Some apps exist, but building a **custom solution in Salesforce** helps learn object modeling, flows, Apex triggers, dashboards, and LWC.
- Custom solution ensures flexibility to add company-specific rules and dashboards.

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