

System Integration

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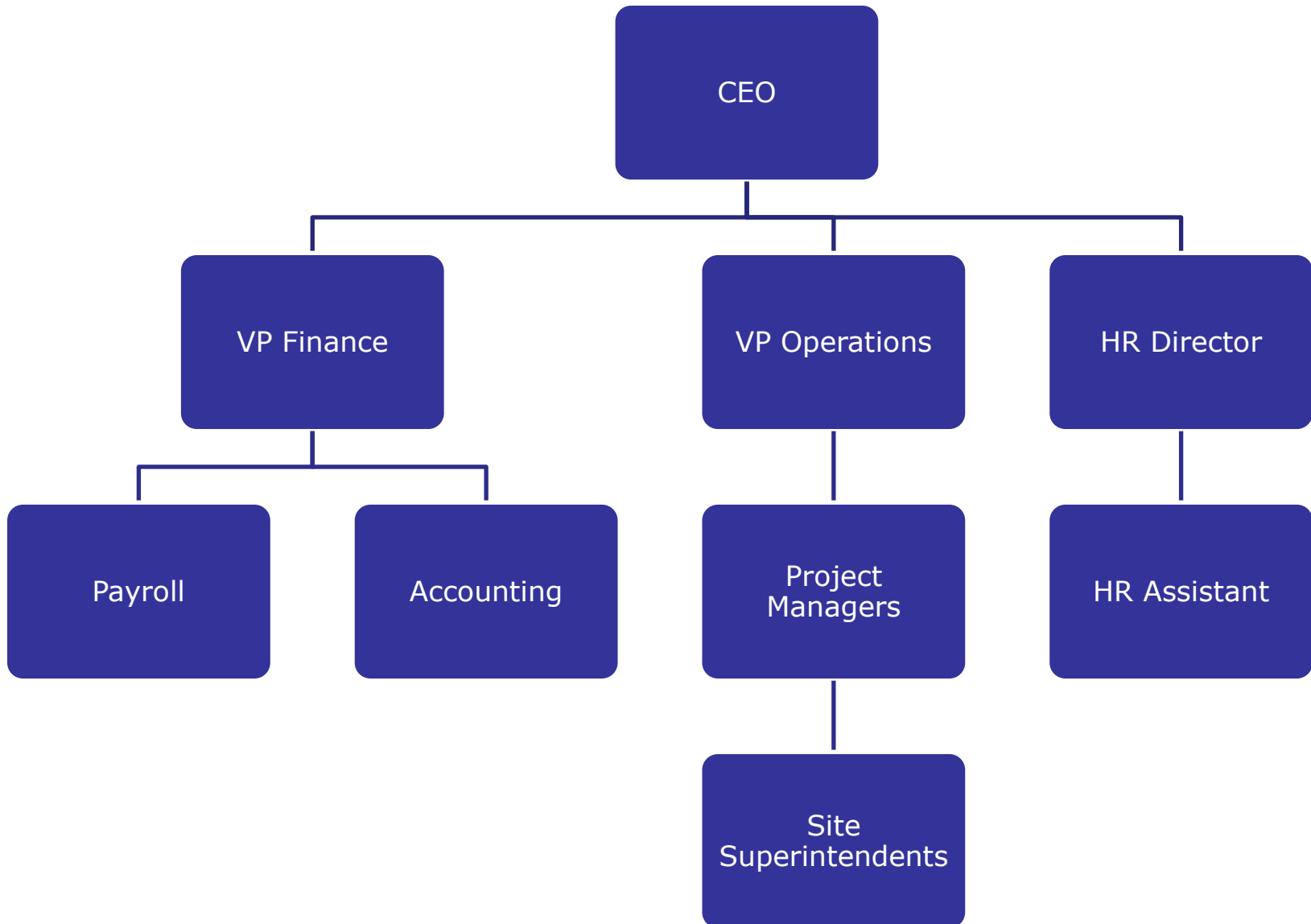
Project 1: Background and Problem Statement

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Alaska Construction Management Enterprises (ACME)

- Medium size company with approximately \$100 Million in annual revenue
- Approximately 150 – 175 employees
- Distributed offices throughout the country
- Recently selected a new accounting and payroll system
- Our existing human resource system has lots of employee data in a data base
- The payroll system has lots of employee data, some of the same data that the HR system contains, some different

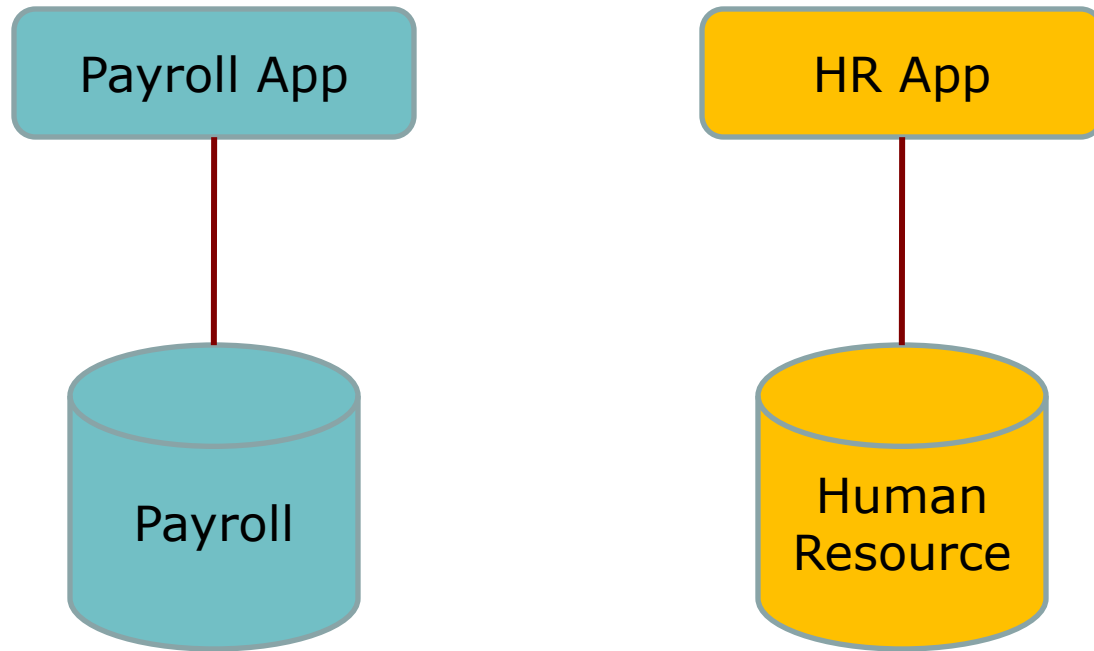
Organizational Chart



The Problem

- The corporate staff enters data into both systems
- Sometimes the people entering the data make mistakes
- CEO doesn't have a way of seeing our employee status and payroll information all together
- Sometimes there are employees in payroll that aren't in the HR system, and in HR that aren't in payroll yet
- Since both systems have sensitive information, not all information can be shared between the two systems
- CEO would like to be able to see all the information about employees and payroll without having to login to two different systems
- Must maintain integrity of both products

Two Applications



The Team

- Small teams (4-5 person)
- Identify roles
 - Developers
 - Testers
 - Team Leader
 - Documentation Coordinator
 - Design Lead/Architect

The First Task

- Review the company's two applications.
- Restate the problem that the company's CEO is trying to solve. What are the goals of this system integration task?
- Identify any additional questions or information, that were not covered in the earlier discussion, to be able to develop the vision.
- Develop a vision for how this company could operate once the two systems are integrated. What would success look like?
- Review each integration style and the pros and cons of each with respect to this integration task.
- Identify two SILC approaches that might be appropriate in this project. Identify the pros and cons of each one with respect to this project.

Constraints & Risks

- Identify any constraints that you foresee that could arise during this project.
- Identify and risks that might be associated with this project.
- Identify the key stakeholders in this project.

Journal

- The team will turn in a journal at the end of the course which will reflect on the key decisions that the team made and lessons learned.
- The journal should include all team members lessons learned or insights that the team has as you progress through the project. The journal should not just reflect the team consensus.
- The journal will be reviewed each week for completeness and currency.

Deliverables

- Document containing all elements outlined in the first task.
- Journal