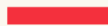


LEAVE MANAGEMENT SYSTEM

final report



GROUP 2

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Final Report

Table of Contents

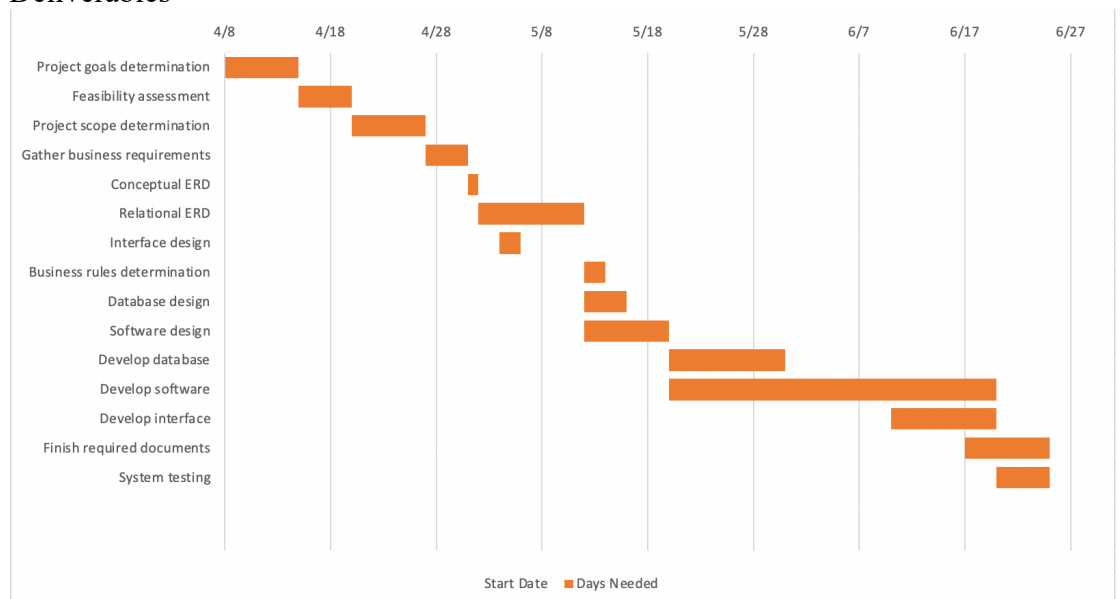
1. Introduction
2. Requirement Analysis
3. Logical Design of the Business Transaction
4. Implementation Plan

Introduction

- **Competitive Advantages**
Seeing that some small to medium scale corporates in Taiwan are still taking a leave manually or orally, we design a leave system to organize the employees' status and let all employees can take a day off by using digital devices, with an eye to make the process more effectively and immediately.
- **Proposed System**
The leave system is designed for all employees of a corporation. It mainly has three functions. First, an employee who wants to take leave can send the request/record to his/her supervisors. Second, supervisors receive and permit leaving requests from their employees. Lastly, all the employees can check their status from the system.
- (“Objectives of Business” is as “Milestone” in the Project Scope part)

Requirement Analysis

- **Project Scope**
 - **Deliverables**

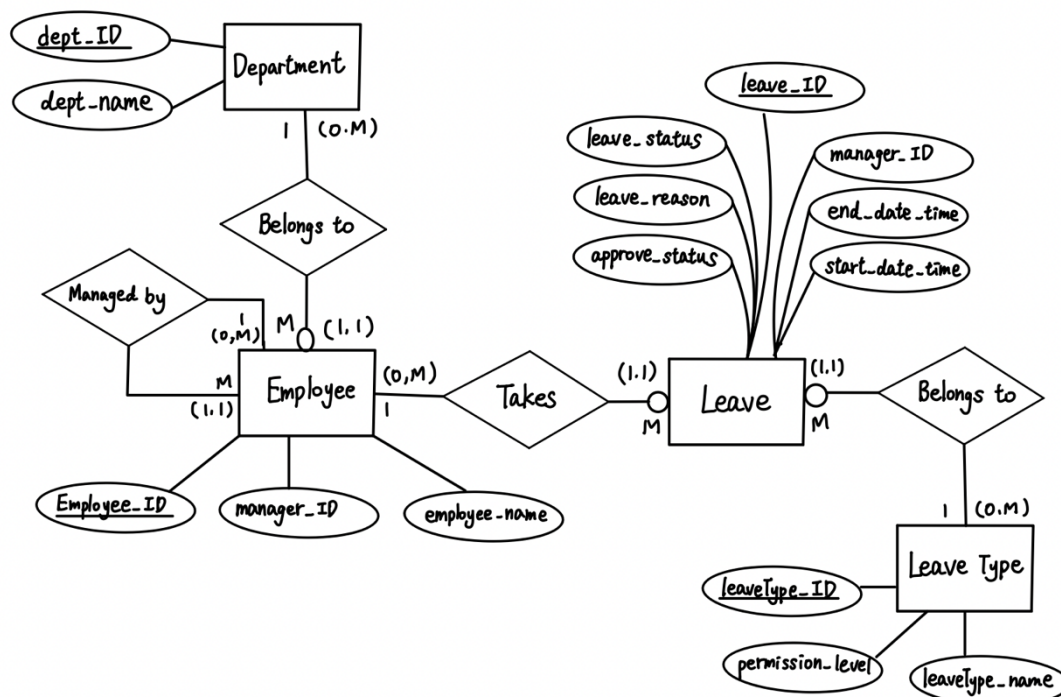


- **Assumptions**
 1. All of the hardware required is in good condition
 2. The engineers are all capable of developing the system

3. WFM will end as pandemic is over
- Constraints
 1. We must produce our system within one month
 2. We only have 3 engineers and 2 project managers
 3. Available resources are puny
- User Acceptance Criteria
 1. Managers can receive leave requests from employees in a minute
 2. There will be a notification of employee's leave
 3. Each of the members in the company can check his/her leave status in a report form
- Milestone
 - 1st stage:
Increase brand recognition by offering free trial in the first few months.
 - 2nd stage
Expanding the services from one city to more.
 - 3rd stage
Maximizing the profits by optimizing the system and adding more functions.

Logical Design of the Business Transaction

➤ ERD



- ### ➤ Identify which entities are read or updated
- Read: Department, Employee, LeaveType
 - Updated: Leave

- Logic (business rules) to be followed
 1. One employee can only take a leave of one leave type at a time.
 2. The permission level depends on the leave type.
- Conversion to a Relational Model

Department

<u>dept_ID</u>	dept_name
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Employee

<u>employee_ID</u>	employee_name	manager_ID	dept_ID
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Leave

<u>leave_ID</u>	agent_ID	manager_ID	employee_ID
start_date_time	end_date_time	approve_status	permission_level
leave_status	leave_reason	leaveType_ID	

LeaveType

<u>leaveType_ID</u>	leaveType_name	permission_level
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Implementation Plan

- Data Flow Diagram

