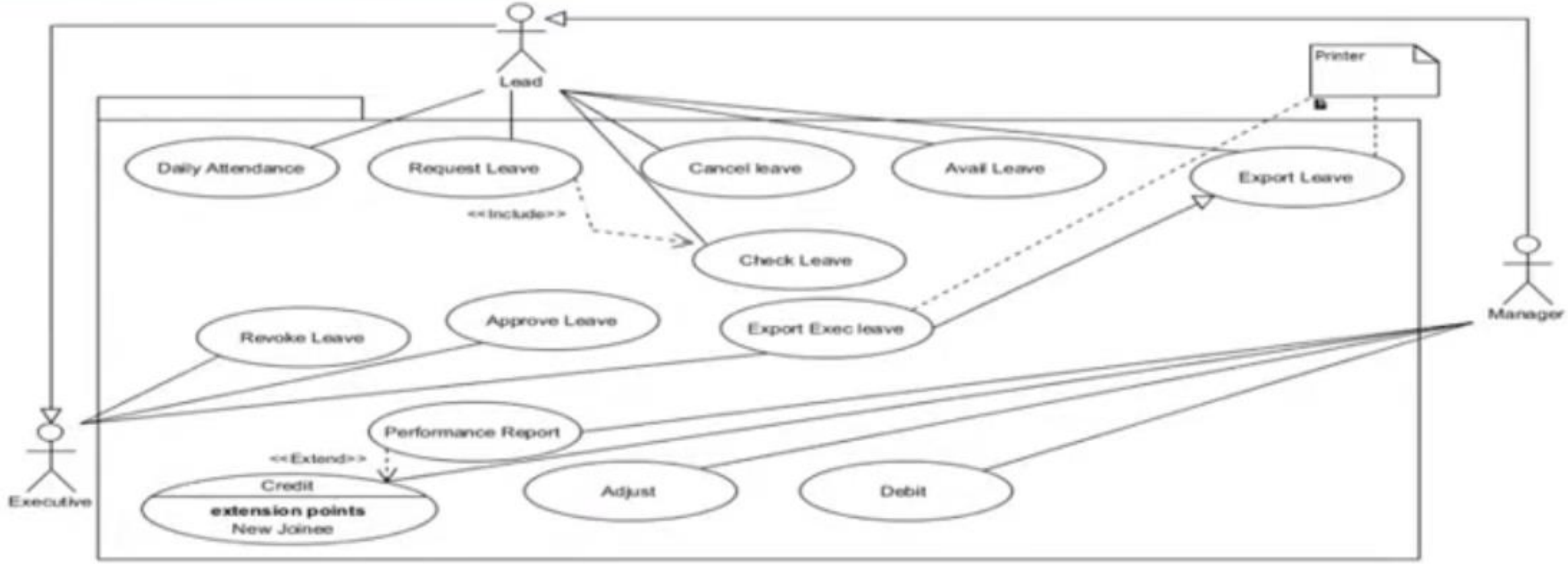
Class Diagram for Leave Management System

Use Case Diagram for Leave Management System



Not all use cases are shown in details

Class Diagram for Leave Management System

We now derive the Class Diagram for LMS. The steps involved are:

- Identify Classes {Abstract Classes}
- Identify Properties and Operations
- Identify the Relationships among Classes
- Class Diagram

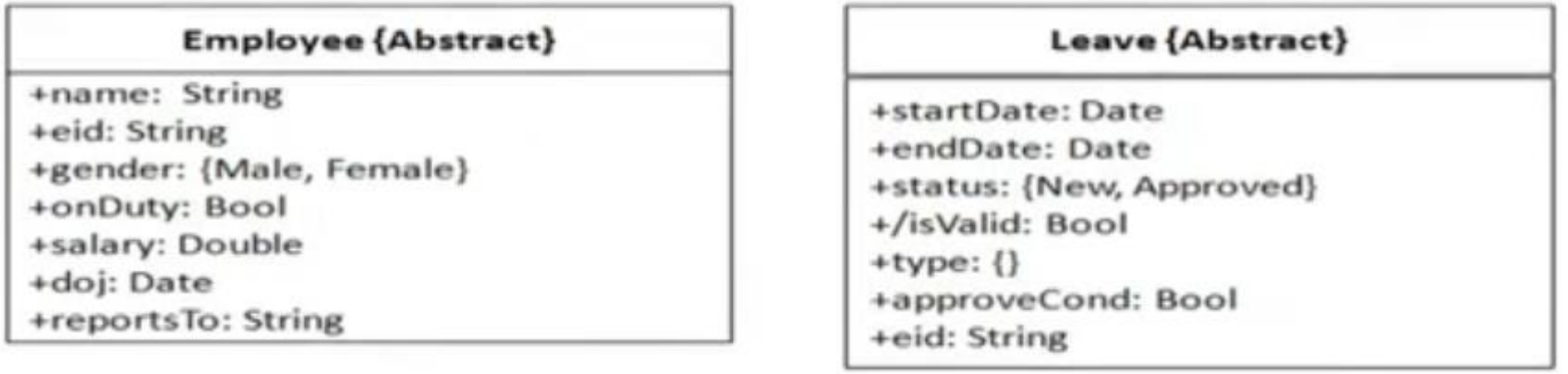
Class Diagram for Leave Management System

- Identification of Abstract Classes

- Reading through the specification of the Leave Management System, we identify the various instances, that is, objects
- We categorize them into two abstract classes: Employee and Leave

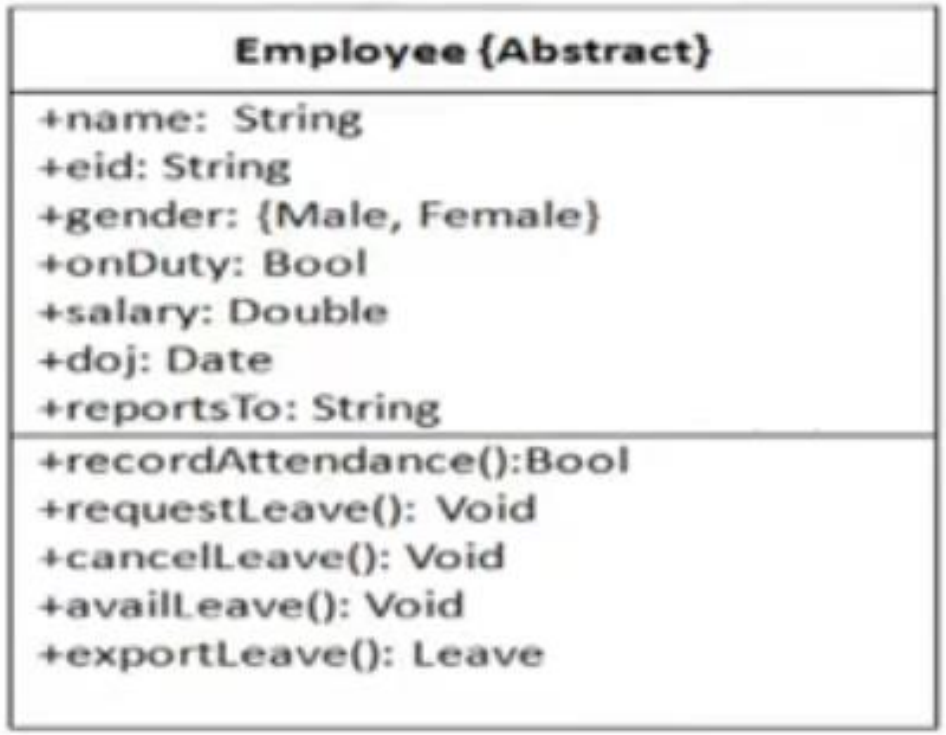
- Identification of Properties (Attributes)

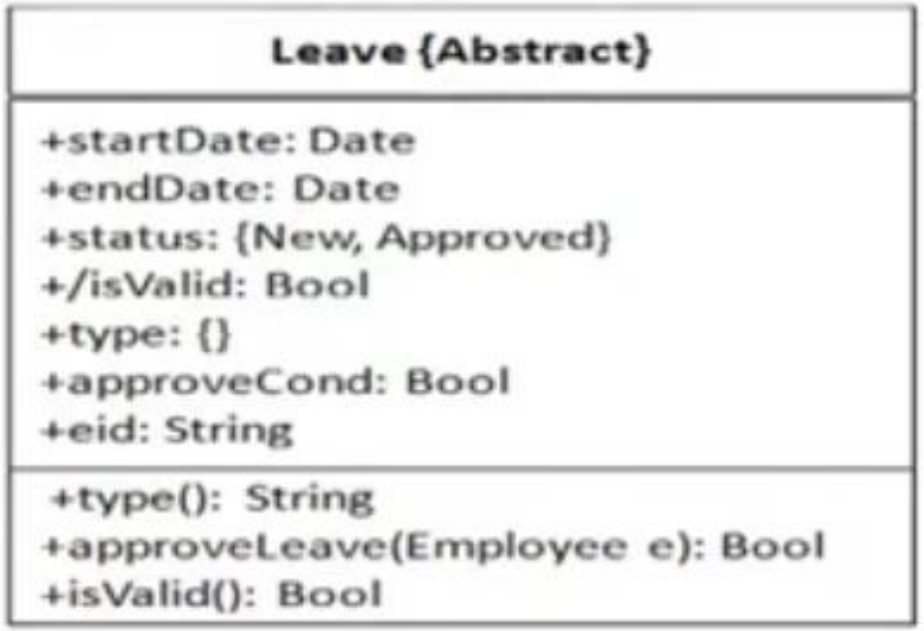
Properties of the two abstract class of LMS



Class Diagram for Leave Management System

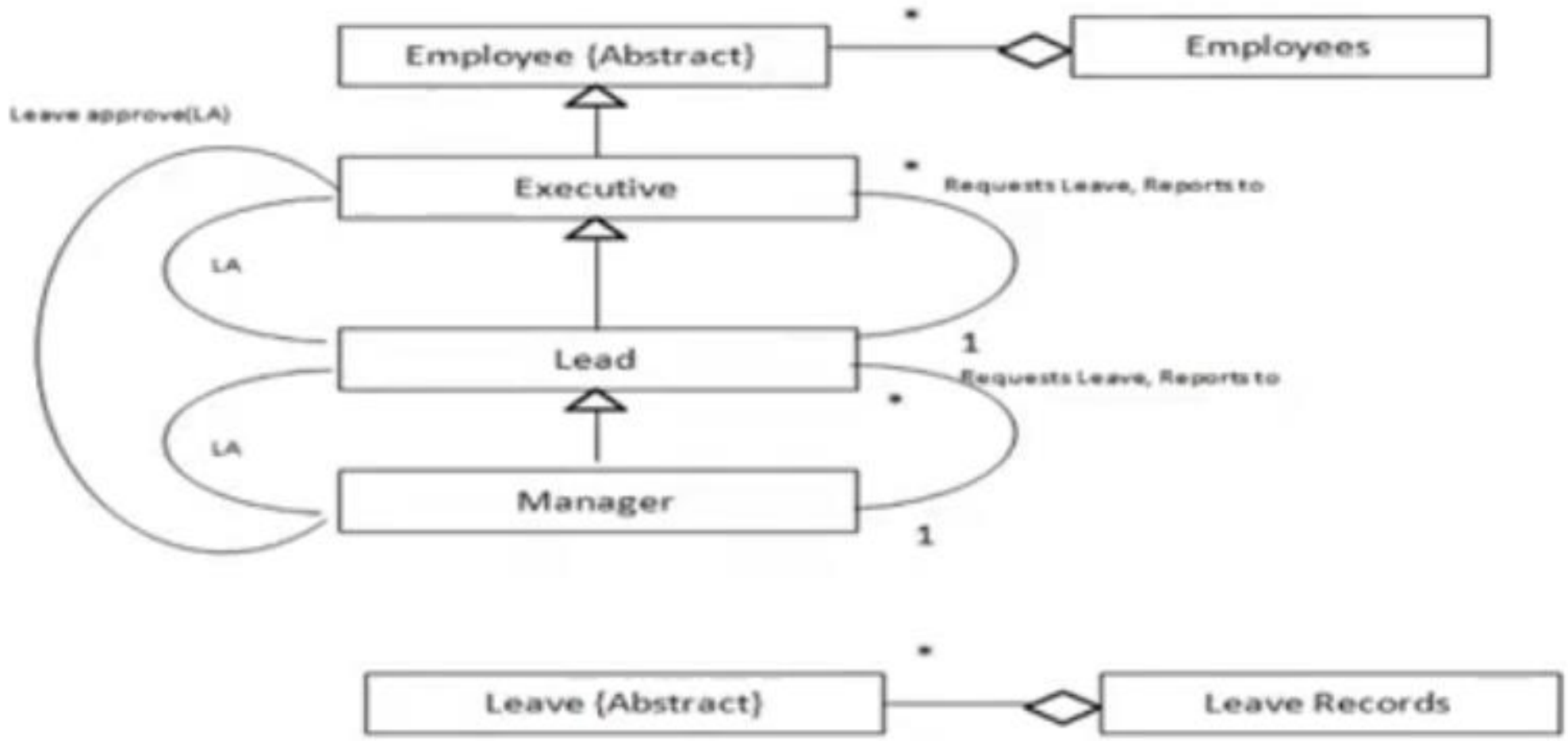
- Identification of Operations (Methods)





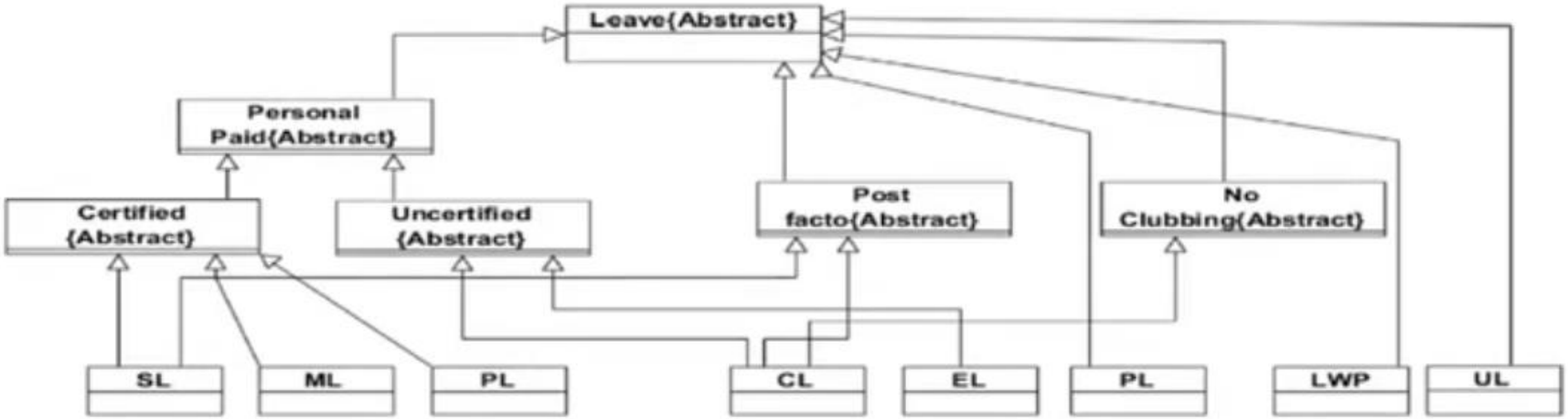
Class Diagram for Leave Management System

- Identification of Associations

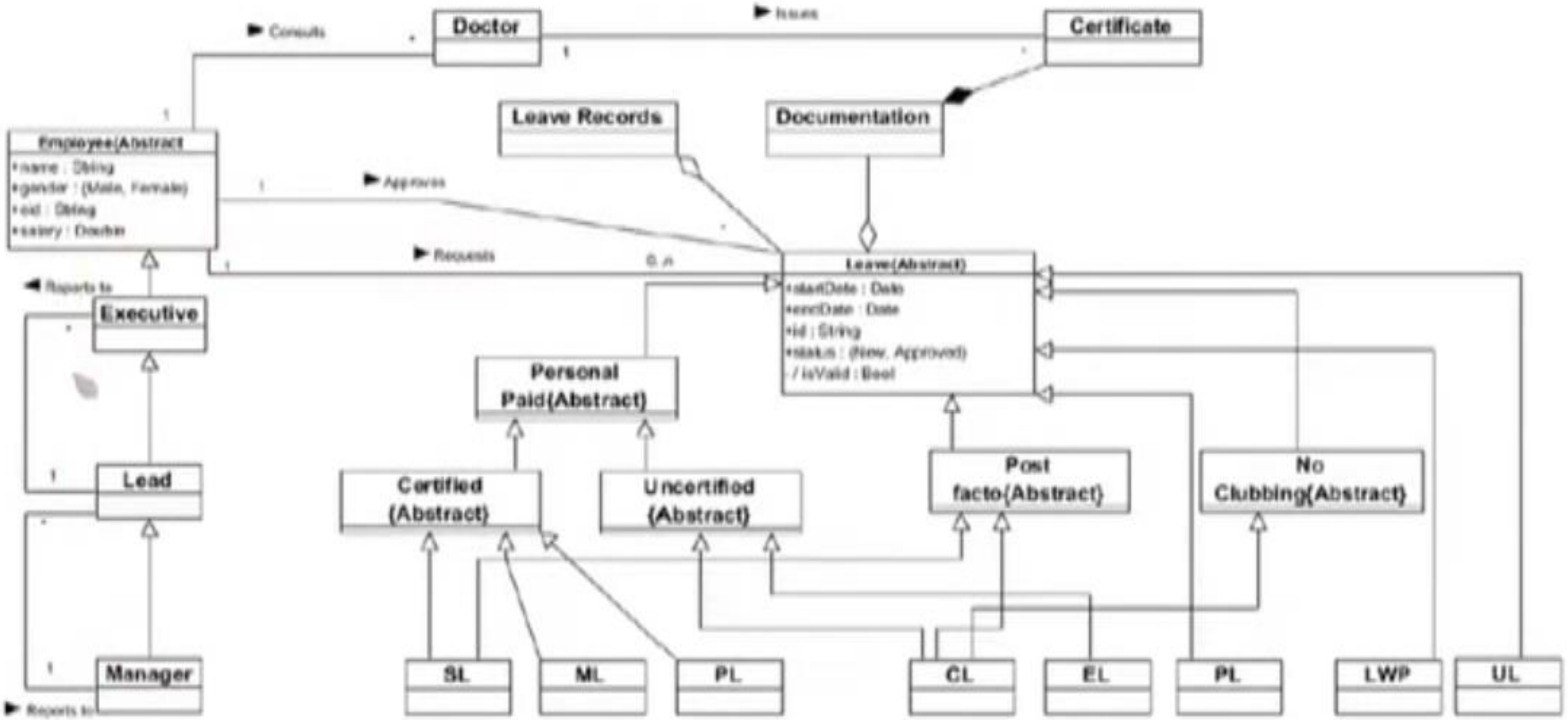


Class Diagram for Leave Management System

- Identification of Generalizations



Class Diagram for Leave Management System



Summary

- A partial Class Diagram for the Leave Management System (LMS)

Reference

- Source: NPTEL **Object-Oriented Analysis and Design, by**

Prof. Partha Pratim Das Prof. Samiran Chattopadhyay Prof. Kausik Datta

IIT Kharagpur

- https://nptel.ac.in/courses/106105153