

# **Activity Diagram for Leave Management System (LMS)**

# Overview

We will now derive the Activity Diagram for LMS. The steps are:

- Identify the activities and partitions
- Identify the control nodes, object nodes and actions of the activities
- Derive the final Activity Diagram

# Activity Diagram for Leave Management System

## Activities of LMS

The messages for the major activities of LMS are given below:

- Request Leave
- Approve Leave
- Revoke Leave
- Cancel Leave
- Avail Leave
- Export Leave

# Activity Diagram for Leave Management System

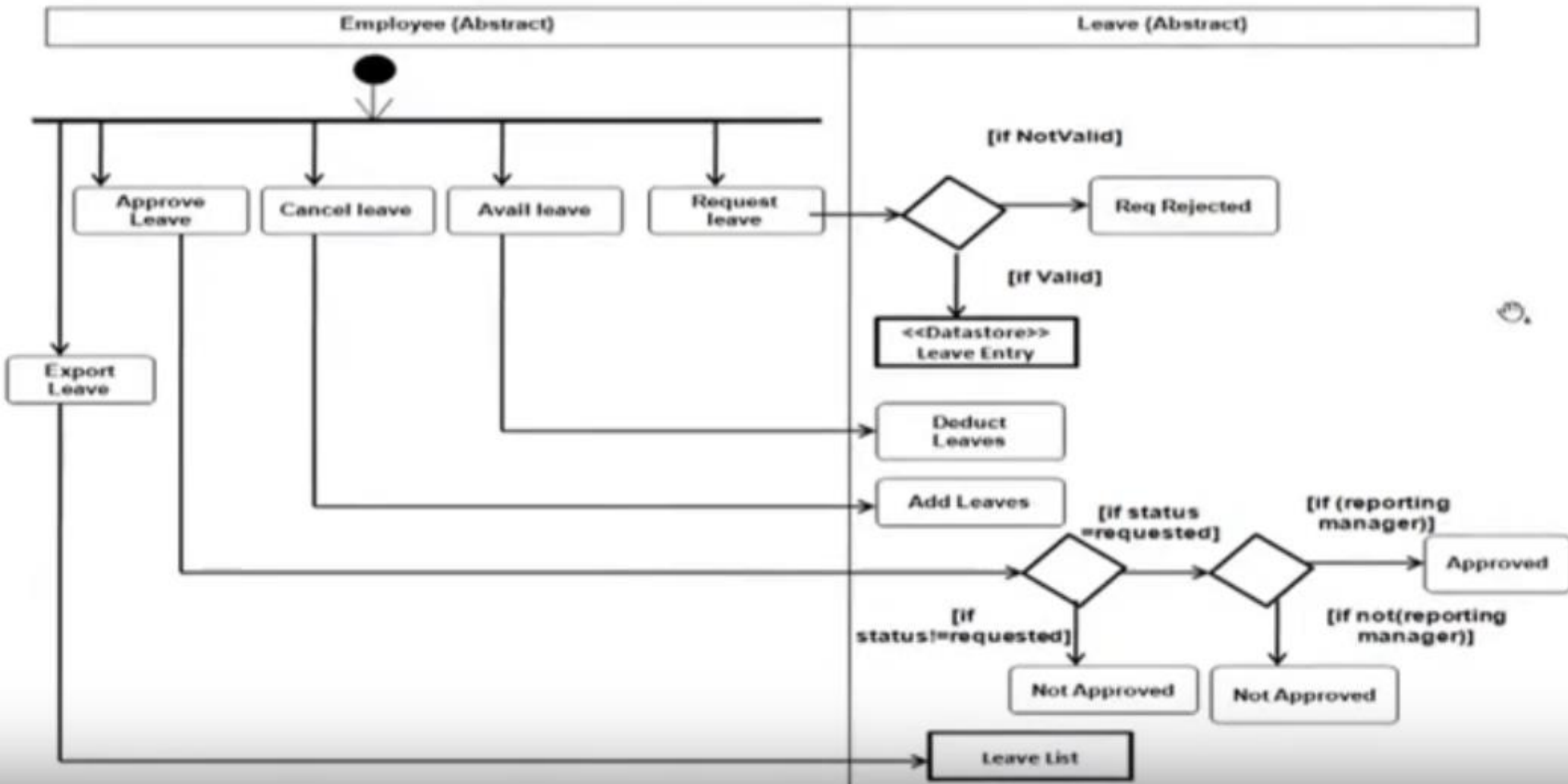
## Activities Partition of LMS

Shown below are two major activity partition of LMS

Employee {Abstract}	Leave {Abstract}

# Activity Diagram for Leave Management System

## Activities Diagram of LMS



# Summary

- What are Activity Diagrams?
  - Activity
  - Partition
  - Activity Edge
  - Control
  - Objects
  - Actions
- Activity Diagram for LMS

## Reference

Source: NPTEL - Object-Oriented Analysis and Design, IIT Kharagpur Prof. Partha Pratim Das  
Prof. Samiran Chattopadhyay Prof. Kausik Datta

<https://nptel.ac.in/courses/106105153>