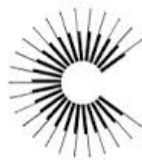




University  
Mohammed VI  
Polytechnic



College of  
Computing

# UML: Class Diagram Report

**Course:** Software Engineering

**Supervisor:** Imane Fouad

**Student:** Ait Aadi Youssef

**University:** UM6P

**Date:** October 16, 2025

# Contents

Exercise 1: Warming Up	2
Exercise 2: Restaurant System	3
Exercise 3: Academy Management	4
Exercise 4: Flight Booking System	5

# Exercise 1: Warming Up

## 1. Library

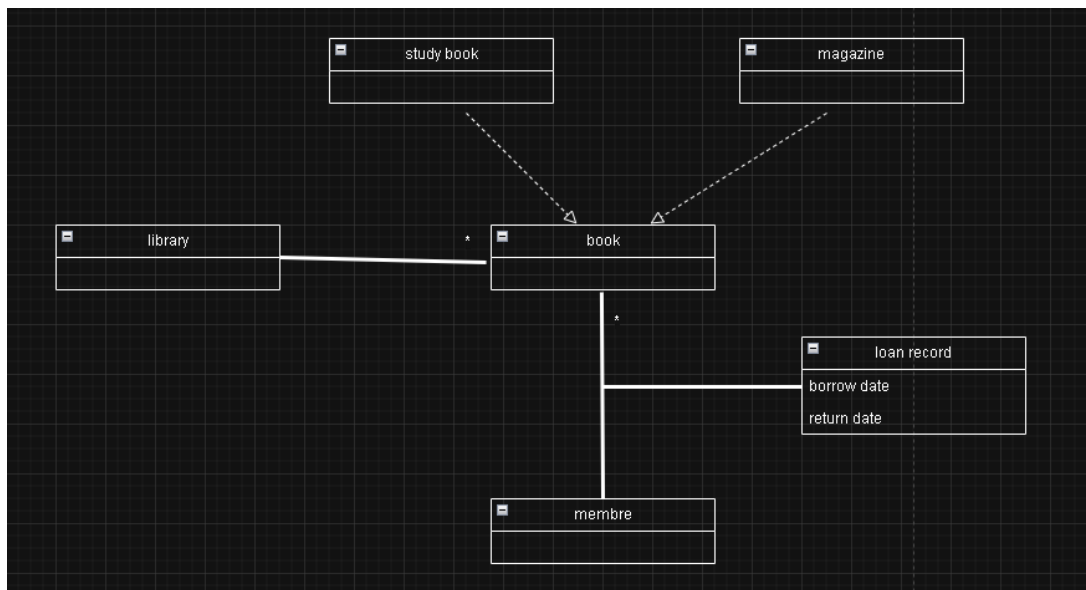


Figure 1: Library class diagram

## 2. Laptops

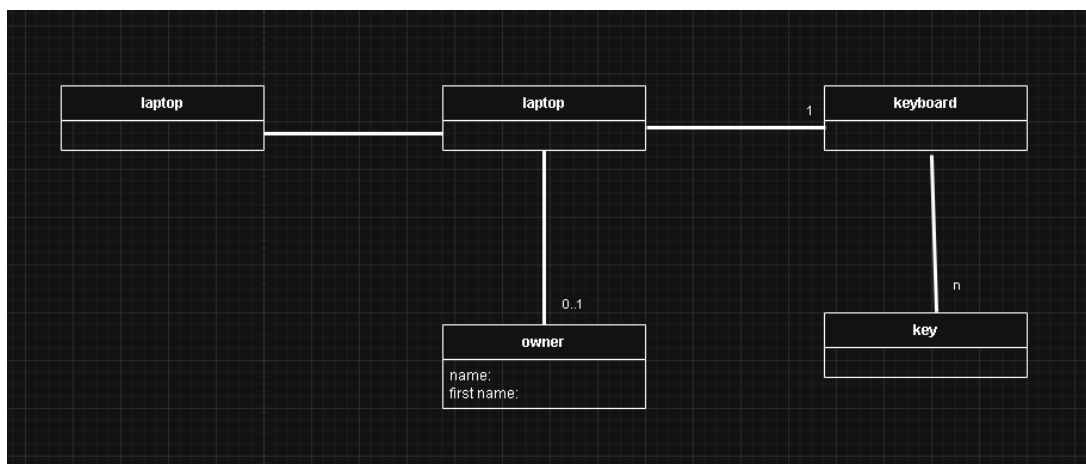


Figure 2: Laptop class diagram

## Exercise 2: Restaurant System

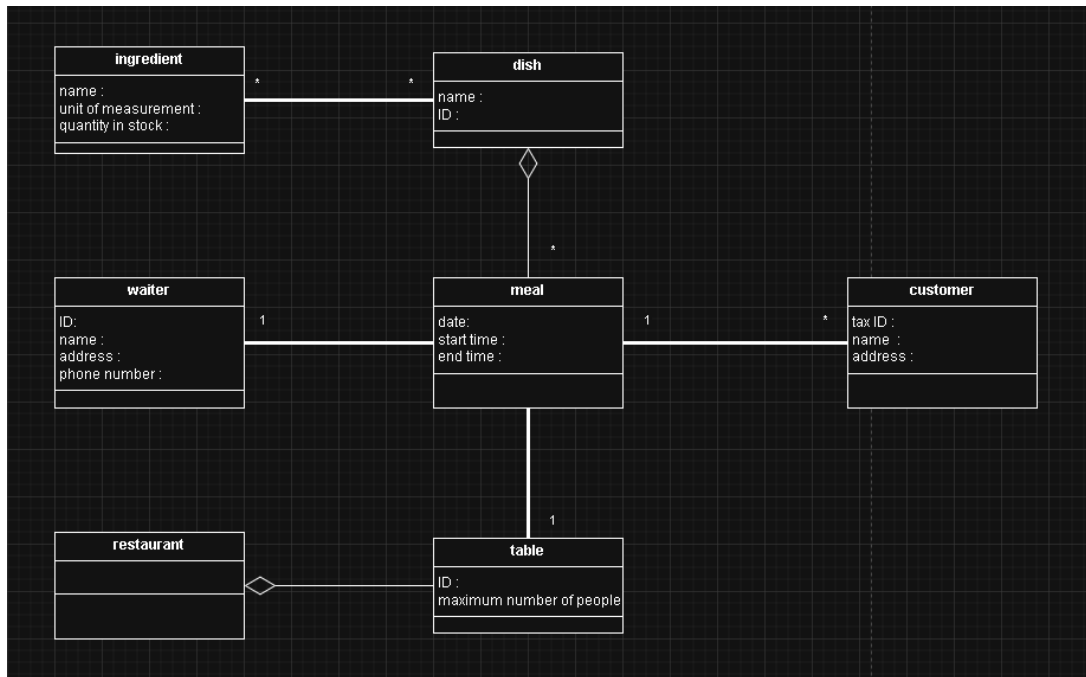


Figure 3: Restaurant management class diagram

## Exercise 3: Academy Management

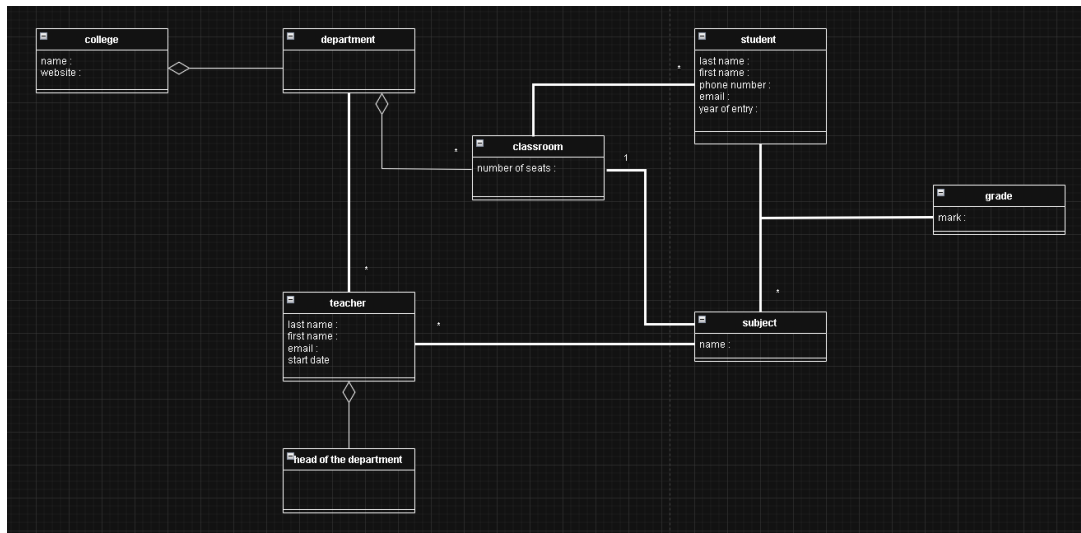


Figure 4: Academy class diagram

## Exercise 4: Flight Booking System

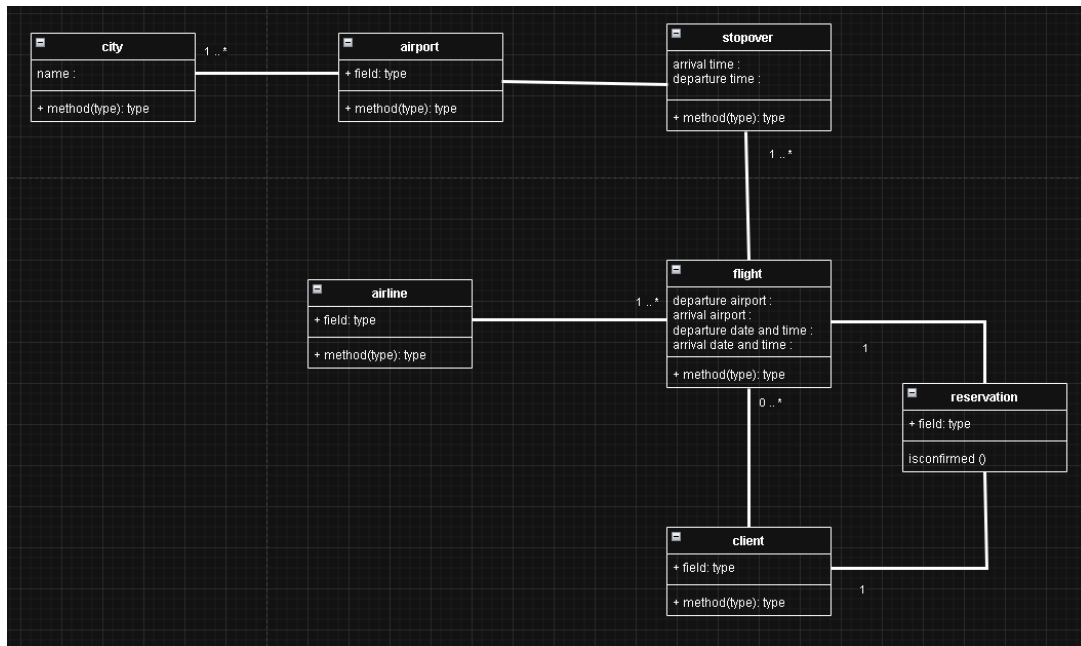


Figure 5: Flight booking class diagram