

A college has more than thousand security persons, who are instructed to give duties at different places within the campus. Additionally, they also maintain a routine, which contains all information, such as Date, Duty Start Time, Duty End Time, and Place. Most importantly, all the places are covered by at least one security person. If a security person takes leave, manual entry is done against that person. Finally, at the end of a month, the security persons get paid for their duties, while considering the number of leaves as well. You can see that the manual calculation/operation is a heavy task for the security manager. Therefore, the objective is to build an Online security management system using class diagram through which entire security system within the campus can be controlled in an efficient manner

AIM

To develop an Online Security Management System using a Class Diagram that efficiently manages security personnel duties, attendance, and salary calculations within a college campus.

PROCEDURE

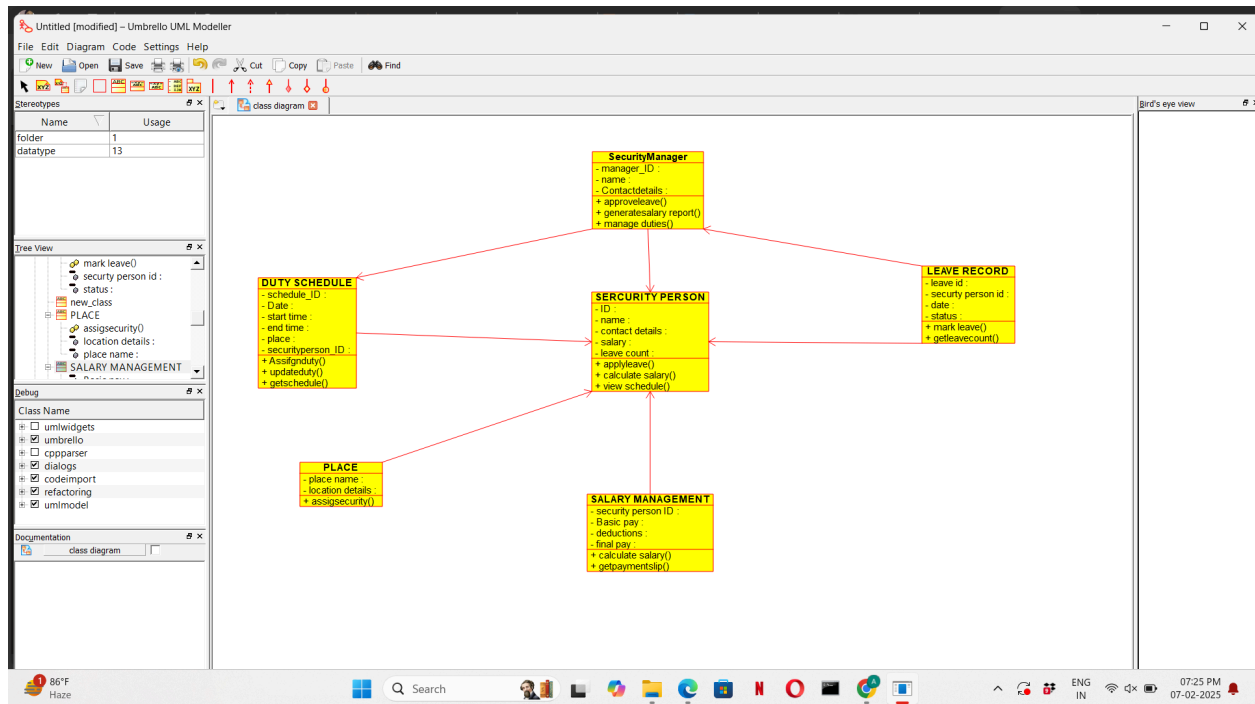
Identify Key Classes: SecurityPerson, DutySchedule, LeaveRecord, Payroll.

Define Relationships: Assign security personnel to duties, track leaves, and calculate salaries.

Develop Class Diagram: Use rectangles for classes, list attributes/methods, and connect relationships accordingly.

DIAGRAM

CLASS DIAGRAM



RESULT

The Class Diagram for the Online Security Management System has been successfully developed, streamlining duty assignments, leave management, and payroll processing for efficient security operations.