PROGRAMS:

9.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 design and develop an Online Security Management System using a class diagram that efficiently manages security personnel assignments, duty schedules, leave tracking, and salary calculations within a college campus.

PROCEDURE :

STEP 1:	Open UML modeling software such as Umbrello, StarUML, or PlantUML.
STEP 2:	Identify the main actors involved in the system
STEP 3:	Define the use cases that each actor performs
STEP 4:	Draw actors as stick figures and use cases as ovals in the UML tool.
STEP 5:	Connect actors to their respective use cases using association lines**.**
STEP 6:	Ensure the diagram clearly represents how actors interact with the system.
STEP 7:	Save and export the UML diagram for documentation.

OUTPUT:
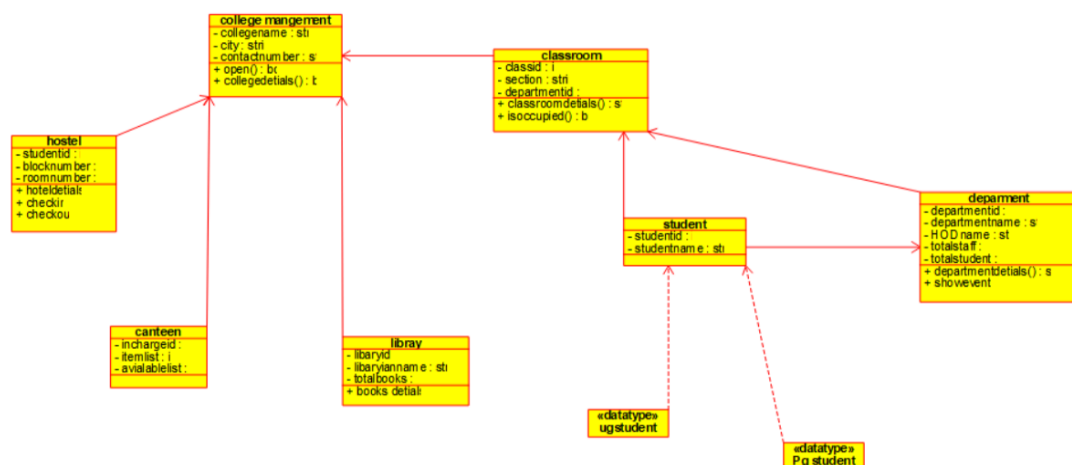
RESULT:

Thus, the UML Class Diagram for the Online Security Management System was successfully designed, enabling efficient management of security personnel, duty schedules, leave records, and payments within the campus.