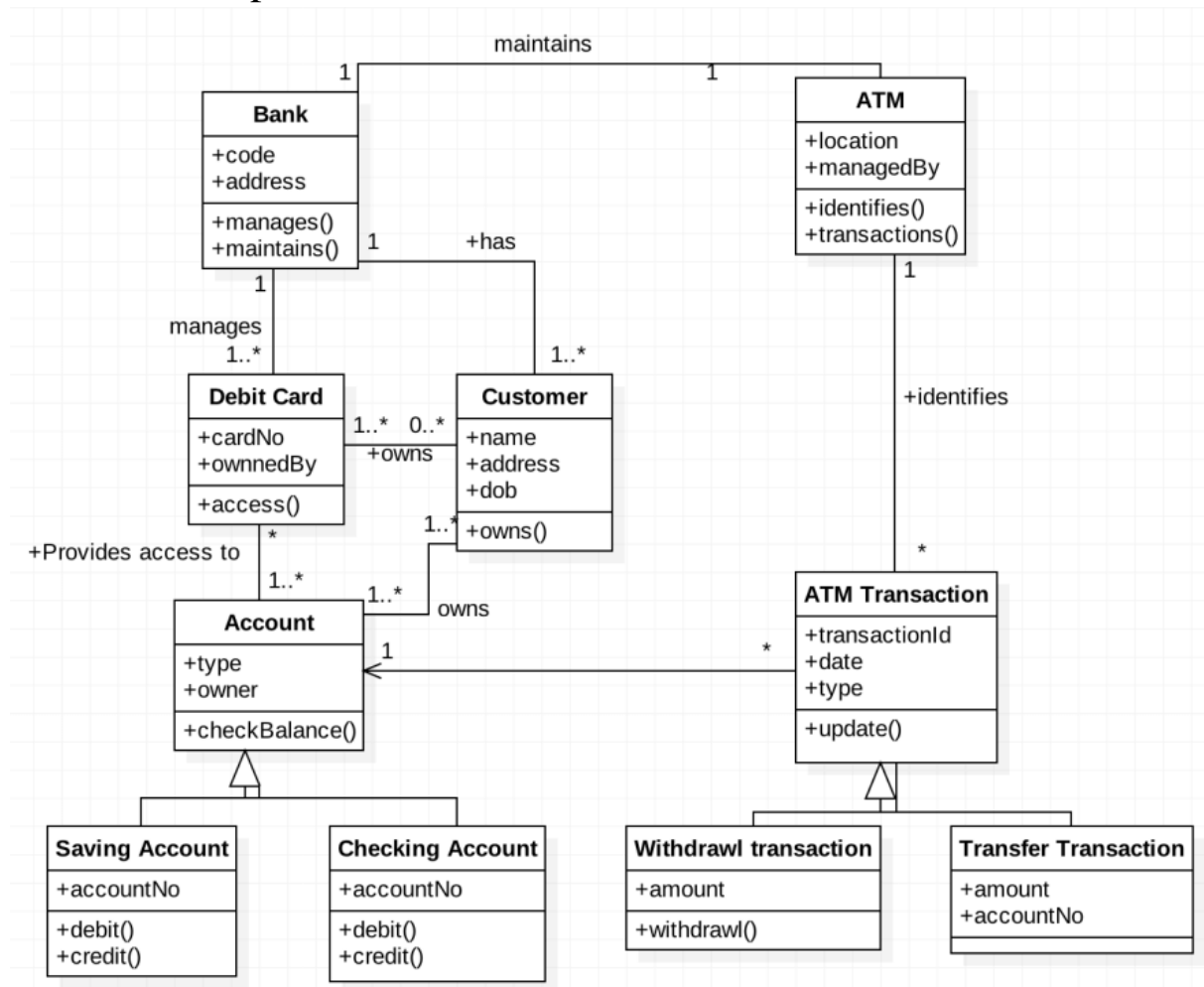


# ICS222 – Object Oriented Analysis and Design

## LAB 2: Class Diagrams

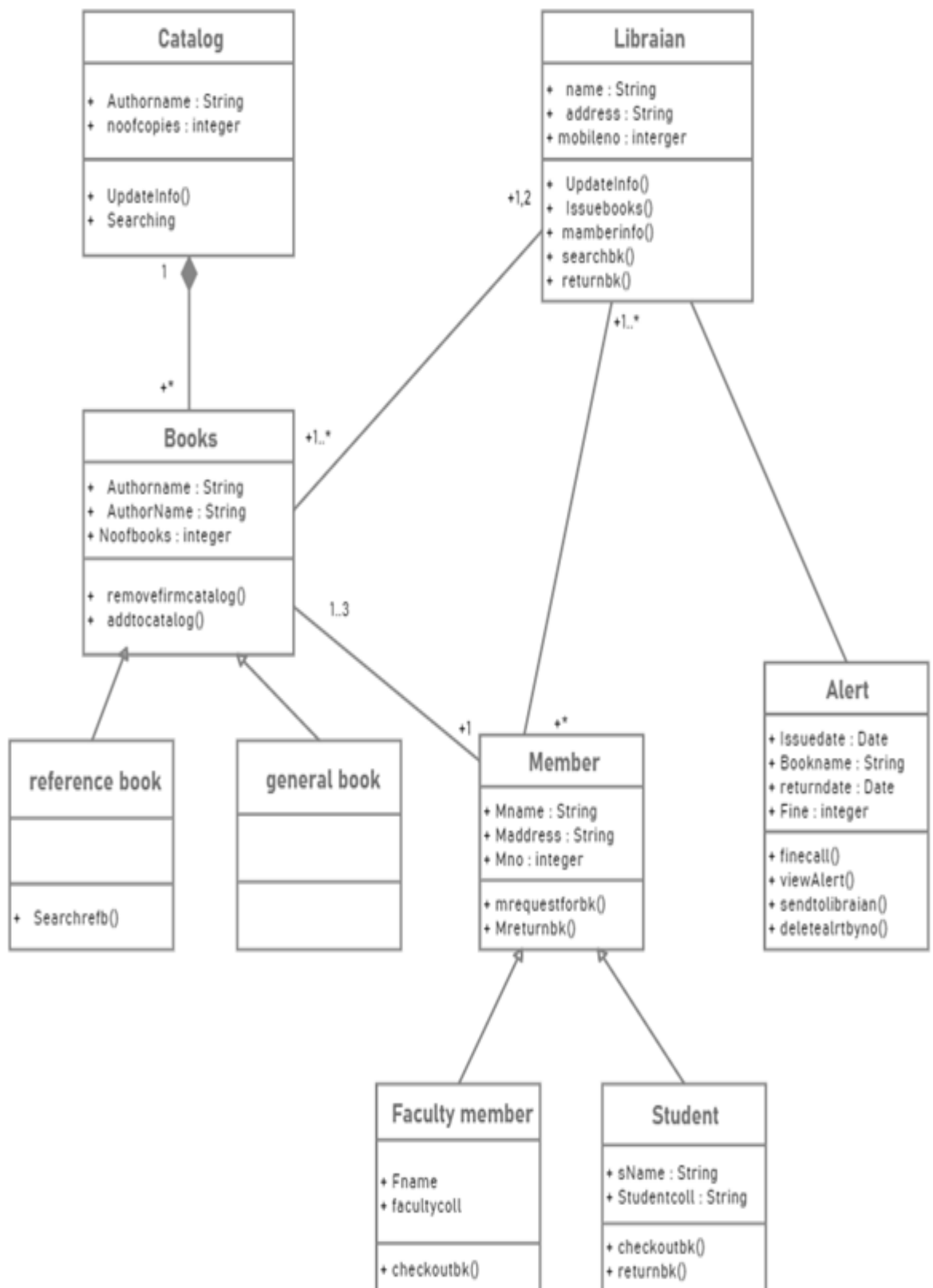
### 1. Class Diagram for ATM

This class diagram for the ATM maps out the structure and attributes of how an ATM works. It also shows the relationship between multiple classes.



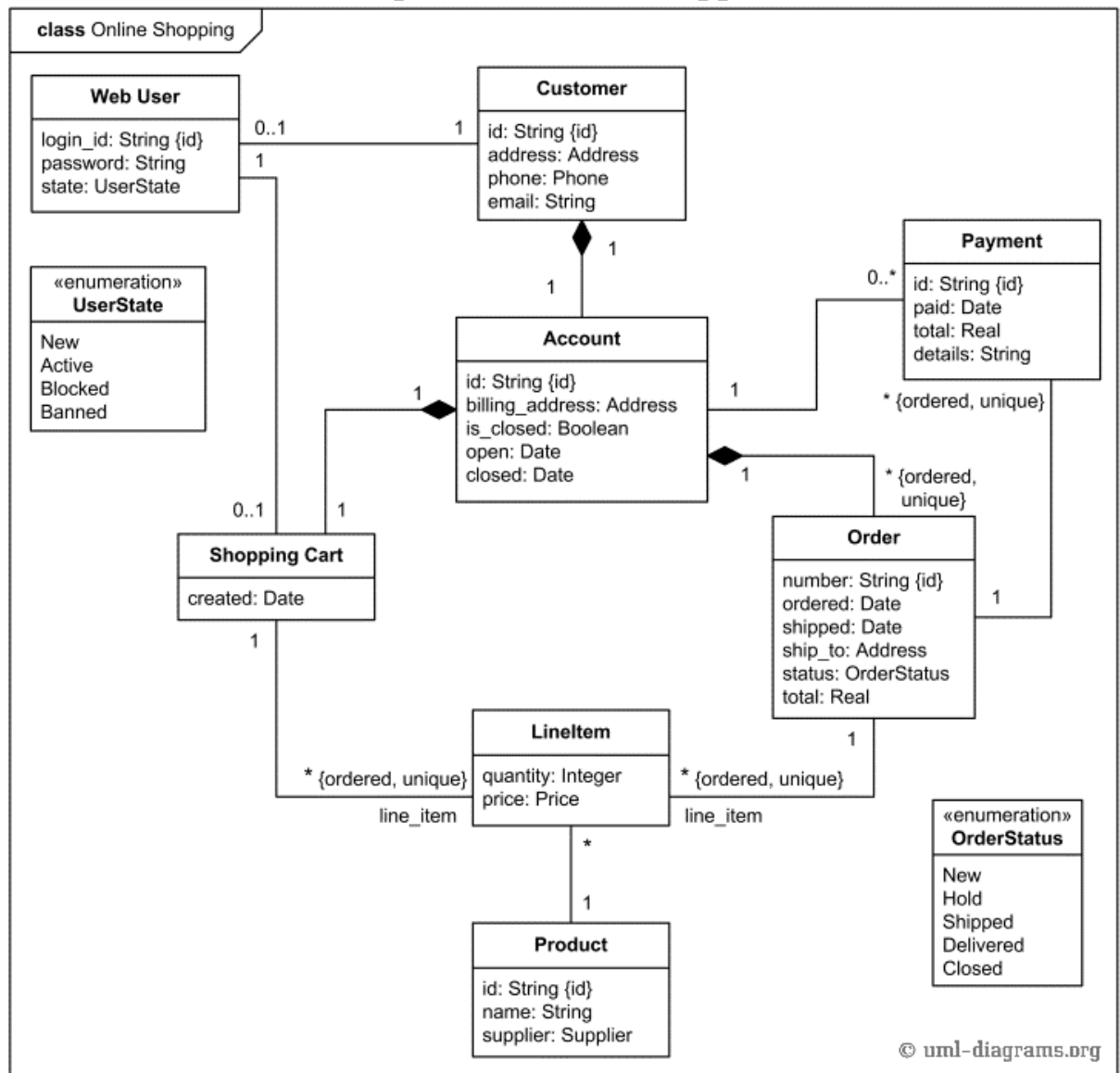
### 2. Class Diagram for Library Management System

The library management system class diagram has multiple classes like the user, librarian, book, account, etc. It then describes the attributes and operations of each of the classes linking them together for the library management system.



### 3. Class Diagram for Online Shopping

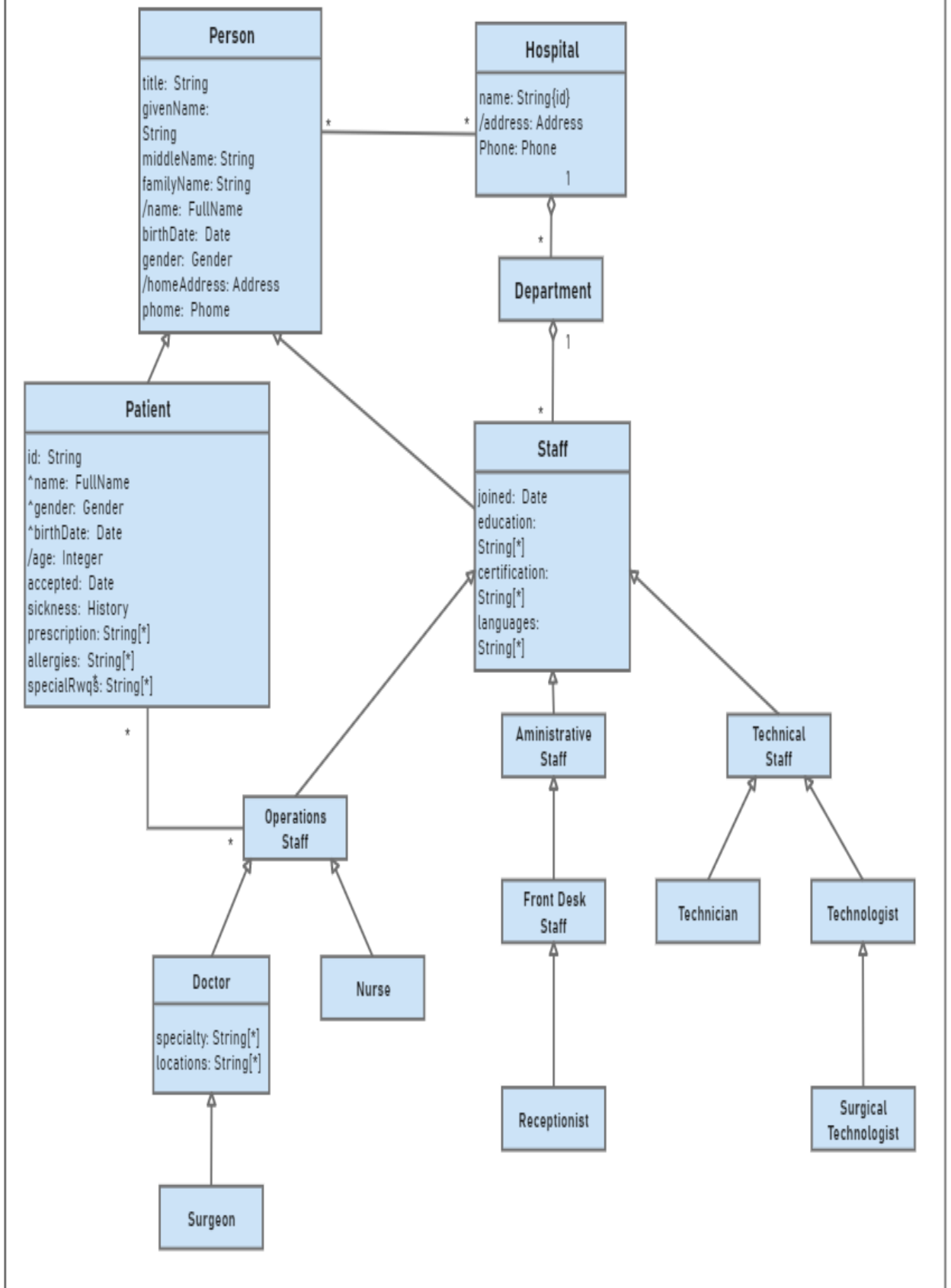
This online shopping class diagram shows the domain model for online shopping. The diagram links classes like user and account to show how an order is placed and then shipped.



### 4. Class Diagram for Hospital Management System

This domain model shows several class diagrams like a patient, staff, treatment, and the relationships between them.

# Class Organization



## 5. Class Diagram for Banking System

This class diagram for a banking system shows banks, ATMs, customers, etc as different classes. The attributes are listed in the second compartment for each of these and then they are linked together showing the relationship with each. For example, the attributes of a bank can be account number and balance.

