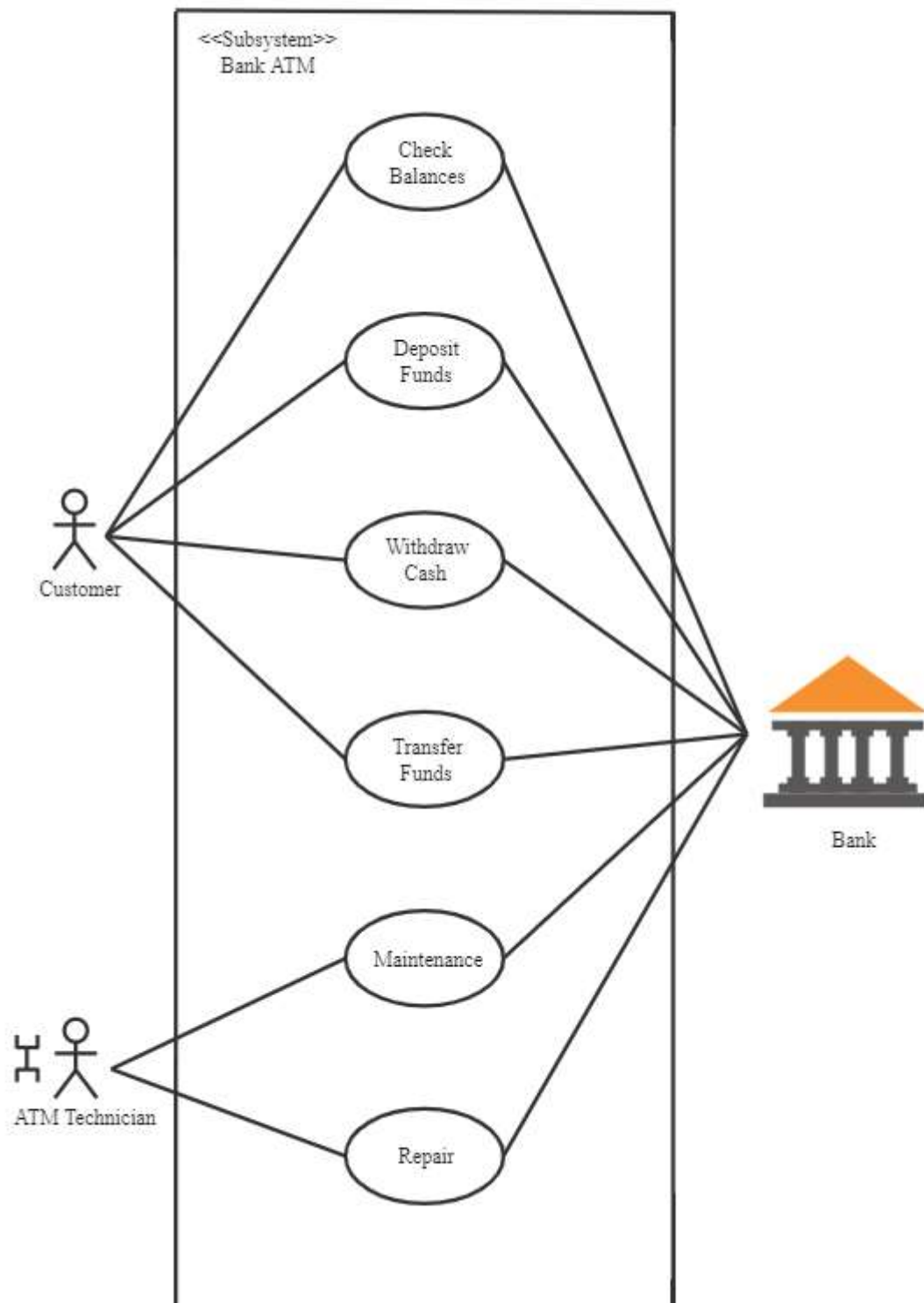


## Use Case Diagram Examples of Common Scenarios

This section will present multiple practical use case diagram examples that will clear out the mind and concept.

### 1. Use Case Diagram for ATM



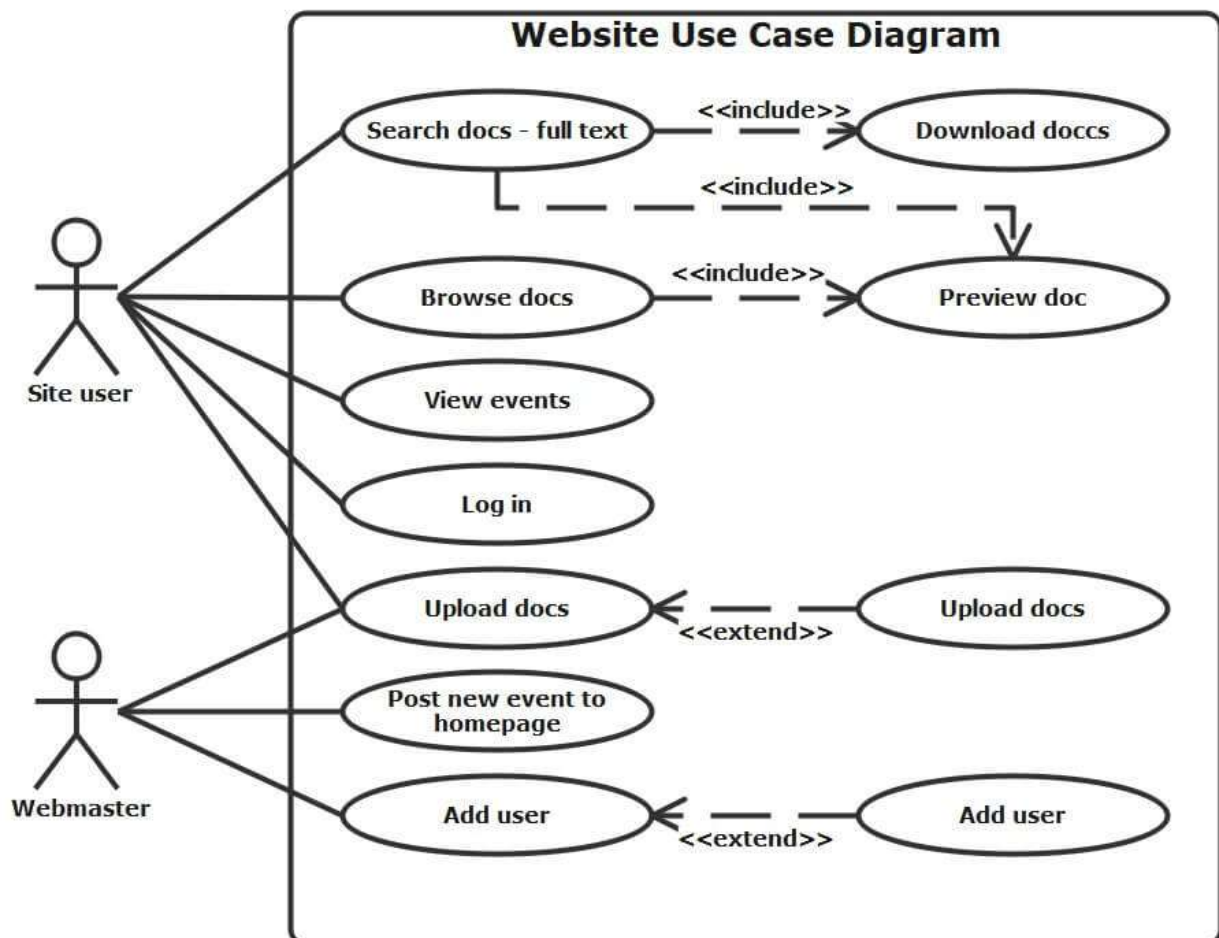
## 1. Use Case Diagram for ATM

The Automatic Teller Machine (ATM) is the banking subsystem that enables the end-users to interact with the multiple functionalities of the bank like transactions, depositing, etc.

In this diagram, we have two actors, the customer, and the technician. The customer needs to check the balance, withdraw cash, deposit funds, and transfer funds. All these functionalities are the use cases. The technician repairs and maintains the ATM so that customers have no complaints. These are the use-cases too.

There is a relationship between the bank and the ATM because the user will only do such acts when the bank authenticates them.

## 2. Use Case Diagram for Website

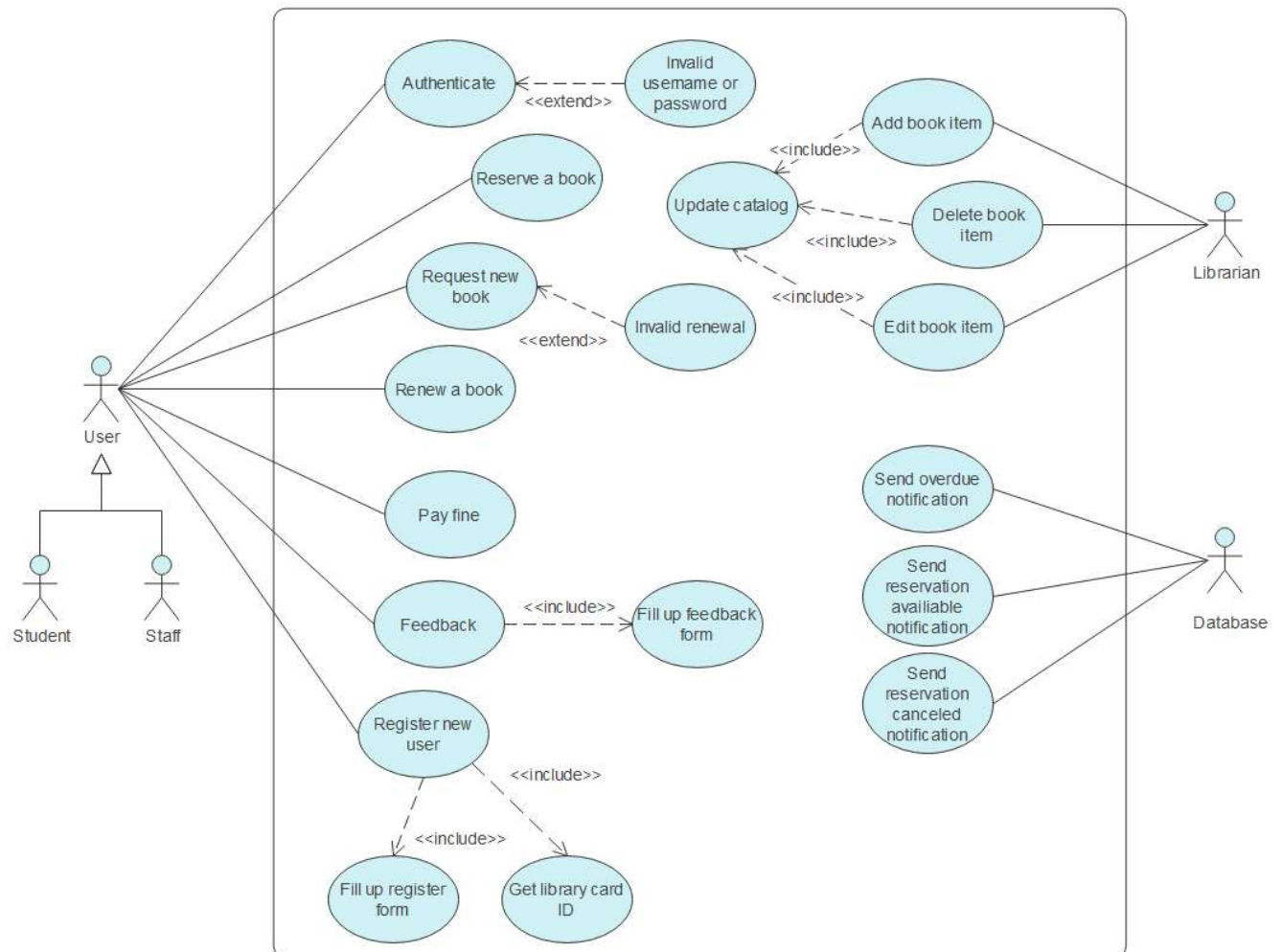


In the above diagram, the site user and the webmaster are the actors of the UML diagram. The site user wants to search for documents, browse documents, and view events. These are the use cases or the functionality the user wants to do. The

download and preview documents are the use cases too, and they are in relation to each other based on user requirements.

The webmaster upload documents, post new events to the homepage and add a user and these use cases are in relation with the managed folders and add company but still based on what the actor wants.

### 3. Use Case Diagram for Library Management System



In the diagram, we can see the multiple actors: staff and the student, librarian, and library database. And we have dozens of use cases like authenticating, reserve a book, renewing a book, paying a fine, etc. Some use cases are related to each other, like invalid renewal and renewing a book, registering a new user, getting a library card ID, etc.

The librarian also does multiple tasks. The thing to notice here is that one actor is a machine that is the library database. As mentioned above, the actor can be anyone, either a human or a machine.

#### 4. Use Case Diagram for Online Shopping

