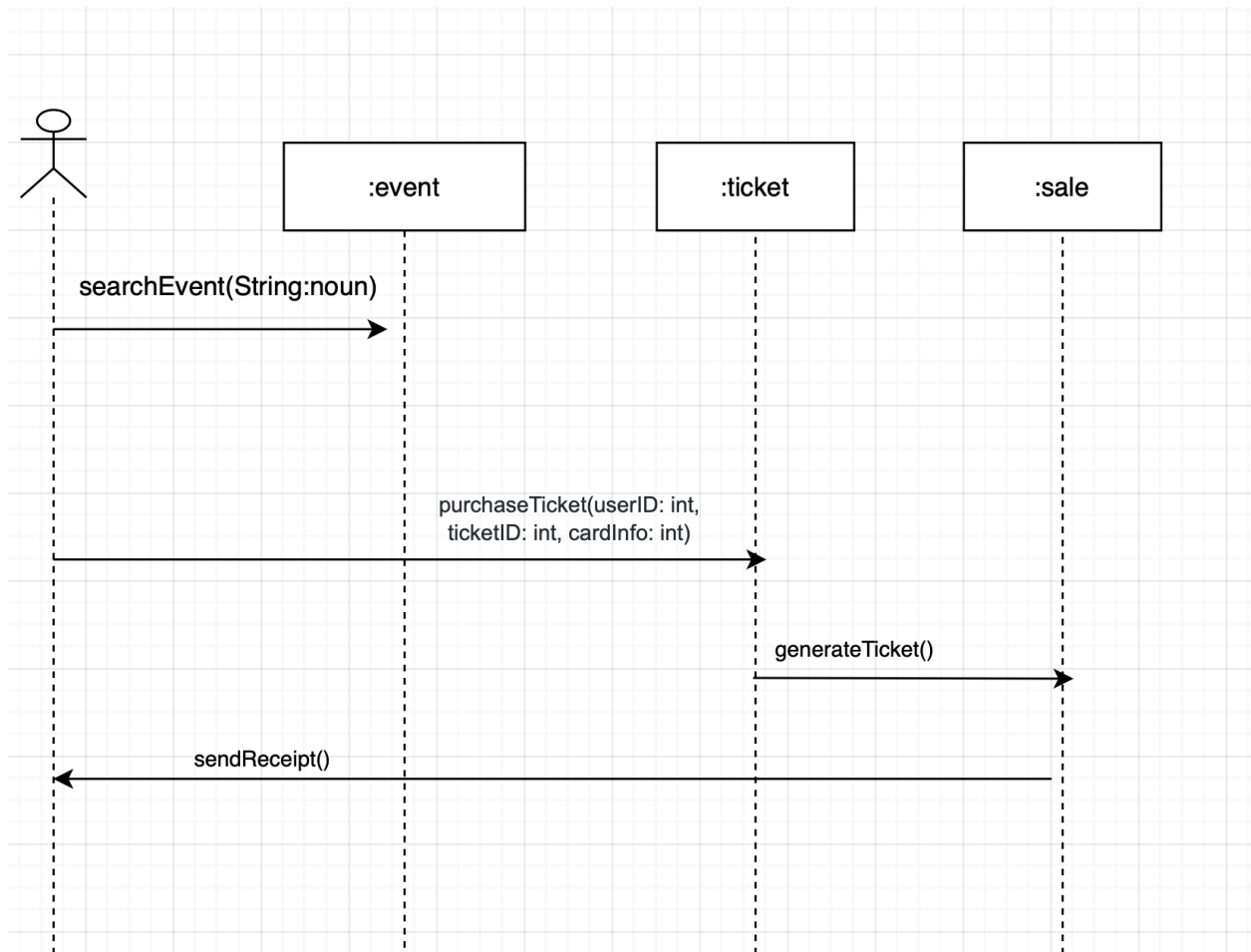


Team Everest

TD6

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OP1:

**Operation****login**

Operation	login(userName: String, password: String)
Cross References	Use Cases: login
Preconditions	User is registered in the system.
Postconditions	<ol style="list-style-type: none"><li>1. The system checked the database to validate the user's credentials.</li><li>2. The user is successfully logged in or rejected.</li></ol>

**OP2:****Operation****purchaseTicket**

Operation	purchaseTicket(userID: int, ticketID: int, cardInfo: int)
Cross References	Use Cases: purchasing a ticket
Preconditions	User has logged in and found a ticket. The user sends a request to purchase a ticket to the server.

## Postconditions

1. Event.availableTickets() has changed. (attribute modification).
2. userID.account.purchaseID() sent an email to the user. (instance creation).

### OP3:

Operation	searchTickets
Operation	searchFor(ticket: String)
Cross References	Use Cases: search
Preconditions	User is logged in and goes to the search for tickets section on the website.
Postconditions	<ol style="list-style-type: none"><li>1. Searches the database</li><li>2. tickets.info() was displayed to the user.</li></ol>

### OP4:

Operation	sendReceipt
Operation	sendReceipt(userID: int, purchaseID: int)
Cross References	Use Cases: receipt

Preconditions	User has successfully purchased tickets.
Postconditions	1. userId is sent an email constructed using the purchaseID.

## OP5:

Operation	generateTicket()
Cross References	Misuse case: purchaseTicket()
Preconditions	User has bought a ticket.
PostCondition	1. A new instance of a ticket object is created.

Operation	removeTicket()
Cross References	Misuse case: exiting during checkout.
Preconditions	User has selected tickets and is on the checkout page.
PostCondition	1. the total cost has changed accordingly to the price of the removed item.(attribute modification)