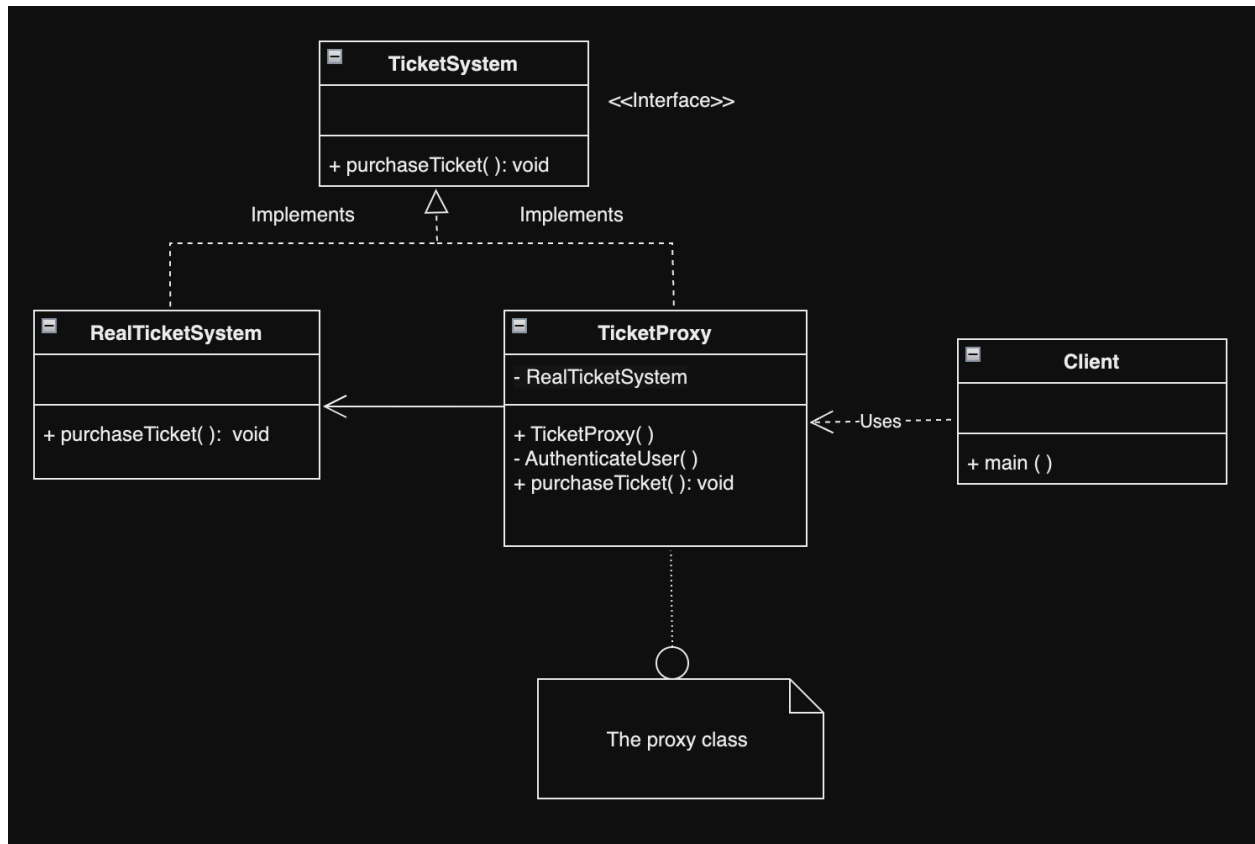


OOAD ASSIGNMENT 4

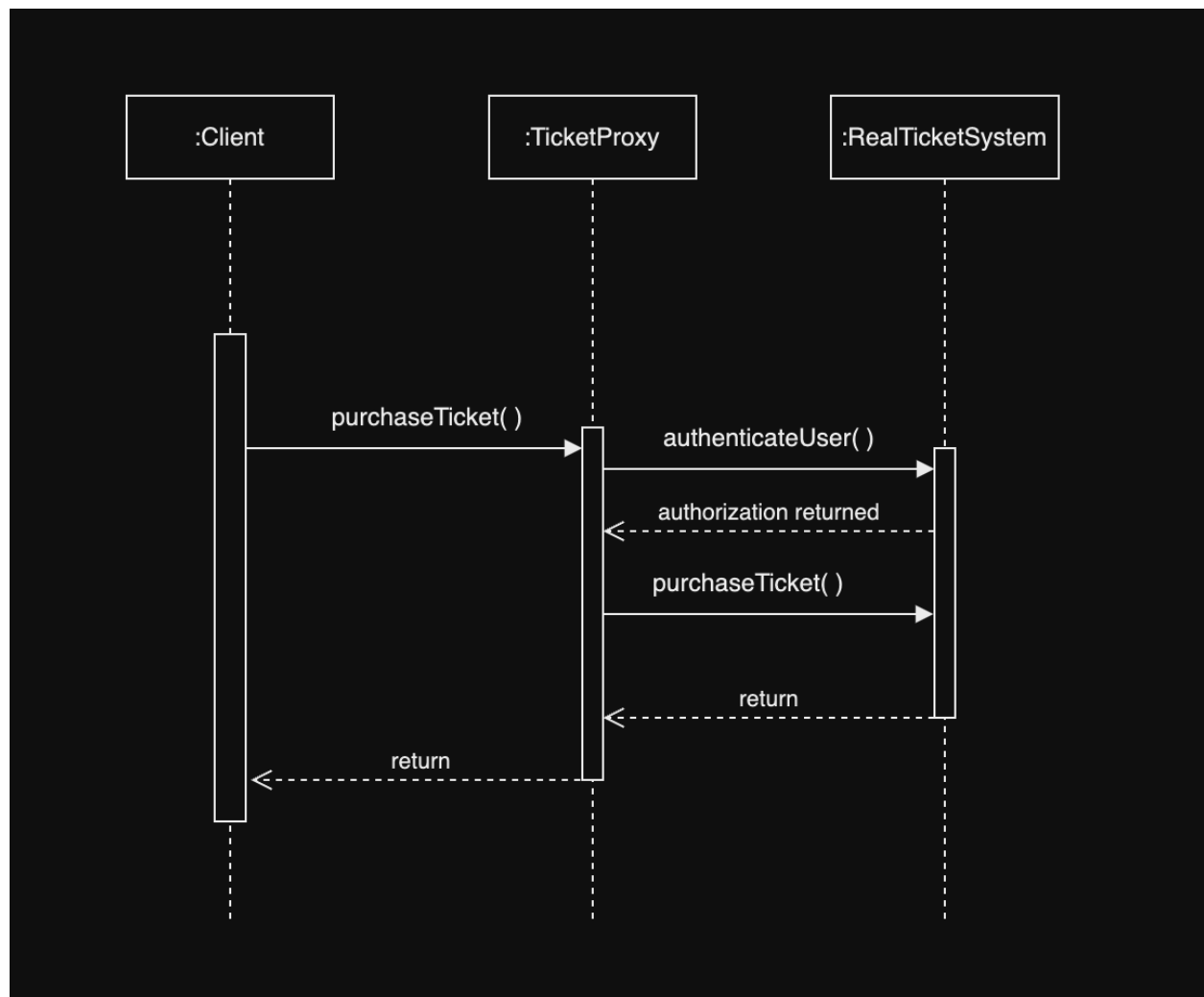
ANSWER 1.

In the XYZ system, users can purchase tickets for various events. However, for premium events or accessing sensitive user information, additional security measures are required. A security proxy that acts as a gatekeeper can be implemented, verifying user credentials before allowing access to these sensitive operations.

CLASS DIAGRAM



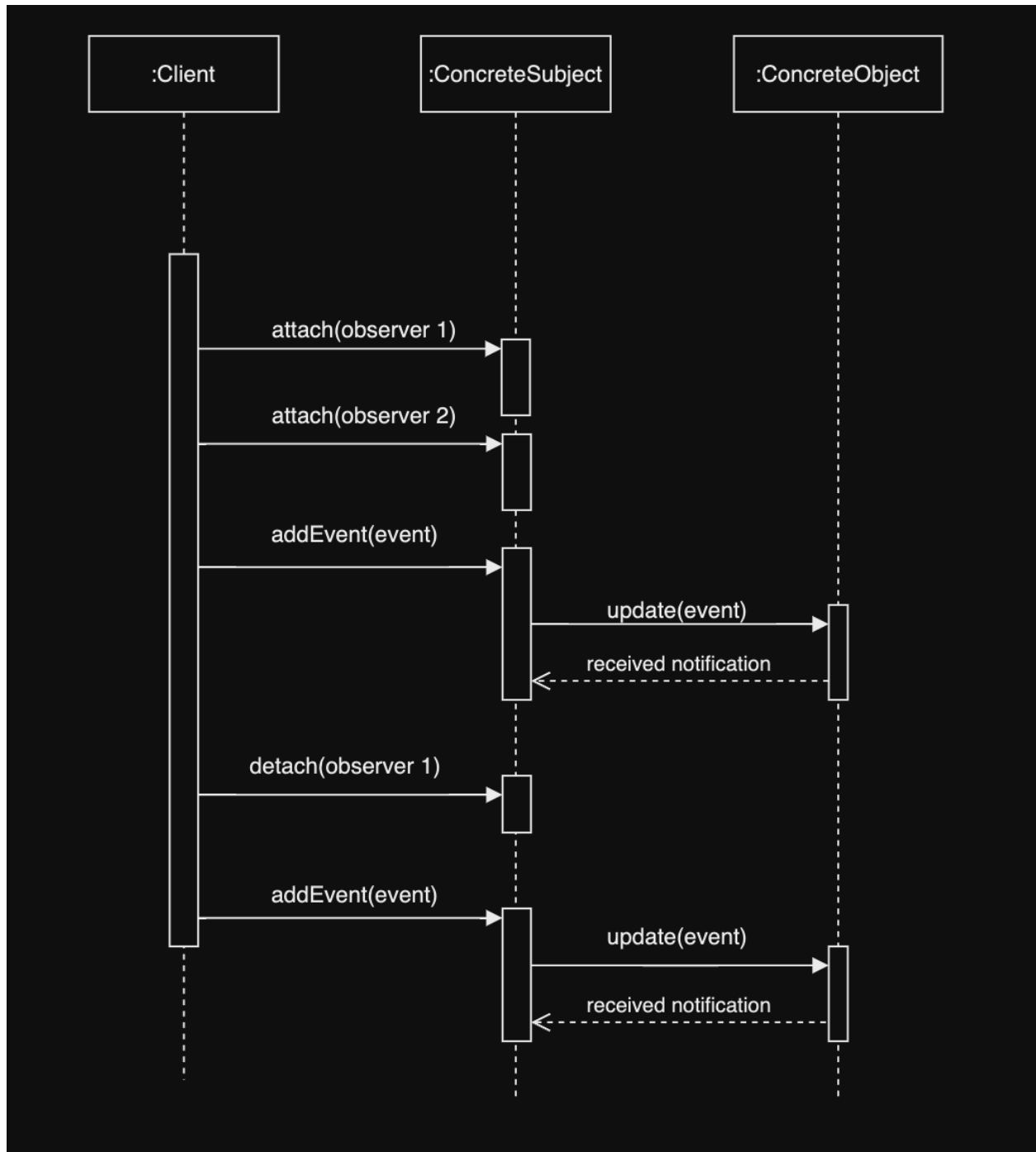
SEQUENCE DIAGRAM



ANSWER 2.

One compelling scenario where one can apply the Observer design pattern to the XYZ system is for implementing event notifications. In the XYZ system, users may want to receive notifications when new events matching their interests are added to the platform. One can implement an observer pattern where users subscribe to specific event categories, and they are notified whenever new events are added to those categories.

SEQUENCE DIAGRAM:



CLASS DIAGRAM:

