

Abuse Case

User buys a ticket and sells it at a higher price to other users (scalping).

Harm: A potential monopolization of tickets that allows a user to set the price rather than an event hoster.

Privilege Range: The user might be able to do this by doing the following:

1. Purchasing a ticket or multiple tickets.
2. Re-sells these tickets at a higher price to other users.

Solution: Have the user ID tied to their school ID (cougar card).

Misuse Case

Someone wants to buy a ticket but the card gets declined.

Potential Harm: System gives non-paying user a ticket

Misuse Scenario:

1. User intends to buy a ticket.
2. User doesn't have enough money available in the account or the card is declined.
3. The ticket is still given without verification of purchase.

Solution: Don't give the user a ticket if the transaction is declined.

Additional Operation Contracts

Name	Details
Operation:	verifyPurchase()
Cross References:	Misuse Case: Declined card
Preconditions:	* Buyer must be logged in. * Buyer must have attempted to purchase a ticket. * The card was declined when making a purchase.
Postconditions:	- user.verifyPurchase() was called. - ticket.validTicket was updated if needed.