

Operation Contracts for Use Cases

CreateAccount(String username, String password): → Account Information

Precondition

User must input a username and password

Username and password must meet security criteria

Postcondition

User has access to personal account information

EventSearch(String searchQuery): → Events

Precondition

User must input a string in the search box

Postcondition

User is returned the events matching or similar to the search query

EventPurchase(Event Object: x, PaymentMethod): → Access to Event

Precondition

User must select an available event

User must have a valid payment method

Postcondition

User account is given a ticket to the event

TicketConfirmation(EventPurchase(x, y) == True), eMail: → Digital Confirmation / Ticket

Precondition

User has successfully paid for a valid event - EventPurchase function is true

Postcondition

User account is emailed a confirmation of their purchase

User is presented with a digital ticket, valid for entry to event