

Purpose

The College of Charleston wants a ticketing system which can be used to organize the sale of event tickets, allowing users to find events and purchase tickets for them.

Use Case Section	Comment
Use Case Name	Purchase ticket
Scope	Secure Ticketing System
Level	User goal
Primary Actor	User
Stakeholders and Interests	User: Wants to purchase ticket(s) College of Charleston: Wants to sell tickets
Preconditions	User has logged in, and the requested number of tickets is available.
Success Guarantee	The requested number of tickets is purchased (specific seat, if we get there). Inventory is updated. Payment is processed.
Main Success Scenario	User purchases a ticket and the ticket (specific seat, if we get there) is removed from inventory (or marked as unavailable).

Use Case Section	Comment
Use Case Name	Search for events
Scope	Secure Ticketing System
Level	User goal
Primary Actor	User
Stakeholders and Interests	User: Wants to search for events based on user specified criteria
Preconditions	User has logged in, and has entered valid parameters in the search
Success Guarantee	User must have entered valid parameters
Main Success Scenario	User enters parameters and matching events are displayed

Purpose: The College of Charleston is requesting an application built to sell event tickets. This system will allow a user to search for events and purchase tickets.

Overview: Implement Java app secure ticketing system for CofC events that interacts with a DB.

Technical Requirements

1. Must be built using the Java object-oriented language.
2. Must include unit tests for each applicable method.

Requirements

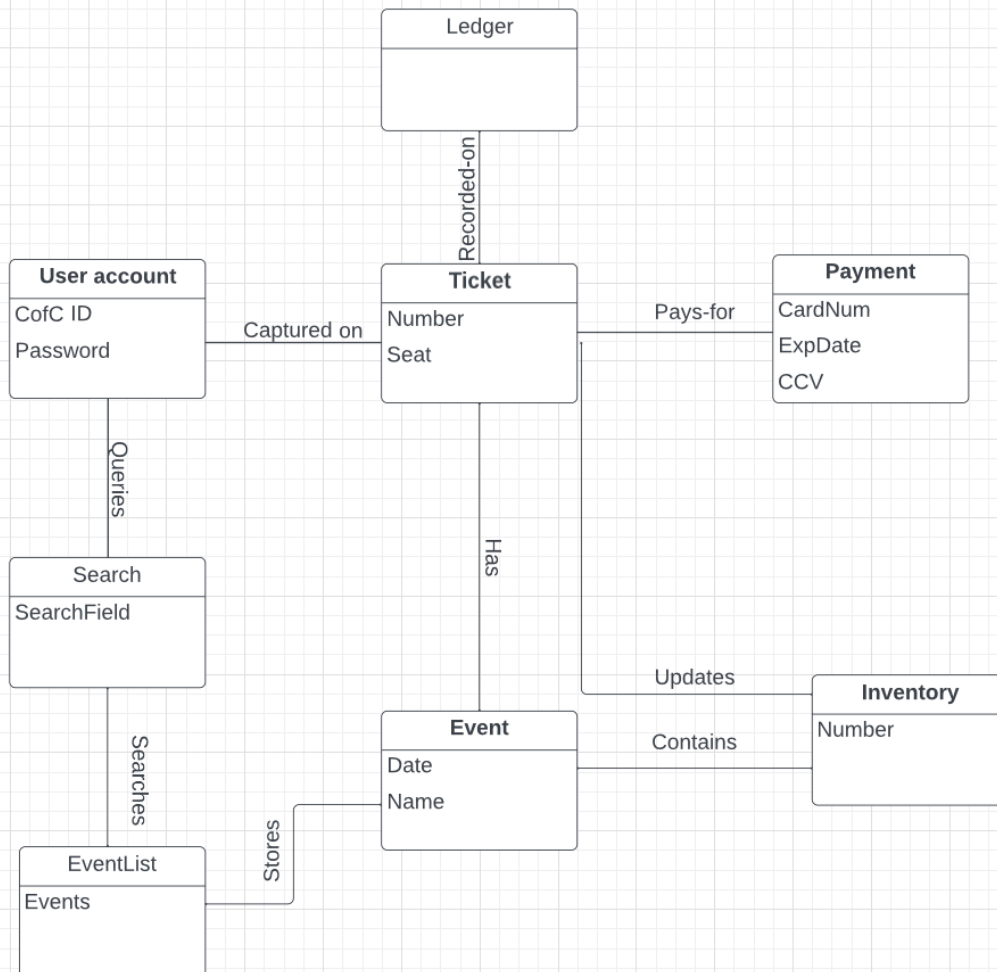
1. User profile
 - CofC email requirement
 - Unique username
 - Secure password
 - 15 characters, upper and lower case characters, number, special character
2. Event search
 - Sort by date
3. Ticket purchase
 - Check availability
 - Allow users to purchase if they are available
 - Process payment
 - Display success message if payment is successful, error if not
 - Update inventory if payment is successful

Stretch Goals

1. Add event to Google Calendar
2. Seat selection
 - Update seat map

CofC Ticketing System

Air Squatters | Fall '23



Supplementary Specifications

This is where supplementary specifications will go

Glossary

Term	Definition	Format	Validation Rules	Aliases
Ticket	An item that allows access to an event			