

Problem Statement

Customers must be able to see what events are coming up at the Amalie Arena for an event, search through different events, and order different types of tickets.

Client or User

People who are ordering tickets for events at the Amalie Arena

Requirements

The client/user needs to find concerts, be able to order tickets of the same type and quantity per order, and order different types of tickets (Platinum, VIP, Standard). They also need sufficient detail (like name, date, performers, etc.) about the concert to make sure it is the correct event that they want to attend.

Application Architecture

Find Event Class: This class will show concerts and events at the Amalie Arena based on date ranges, keyword, and/or maximum ticket price. The decided concert will affect the prices in the other classes when ordering. This will have only static methods to search, confirm ticket order, and order the tickets.

Events Class: Event objects will be created for when a new event is occurring at the Amalie Arena. The order will be based on the quantity, event, and type of ticket (standard, platinum, premium, VIP).

SearchGUI: This is where the customer will search for classes by interacting with a JFrame.

OrderGUI: This is where the customer will order tickets by interacting with a JFrame.