Software Requirements Specification

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Introduction

This document is created to introduce the Theater Ticket Sales System. The ticket system will be designed to fulfill online ticket sales for the client's theater. This System will have two major interactions, the customer and the administrator. The customer will be able to access the catalog of the theater, browse plays, and buy seats. They will also be able to access their account by logging in. The administrator will be able to manage the plays, their times and their seat prices.

Use Case: Customer Accesses Catalog

**Use case diagram (Customer)**
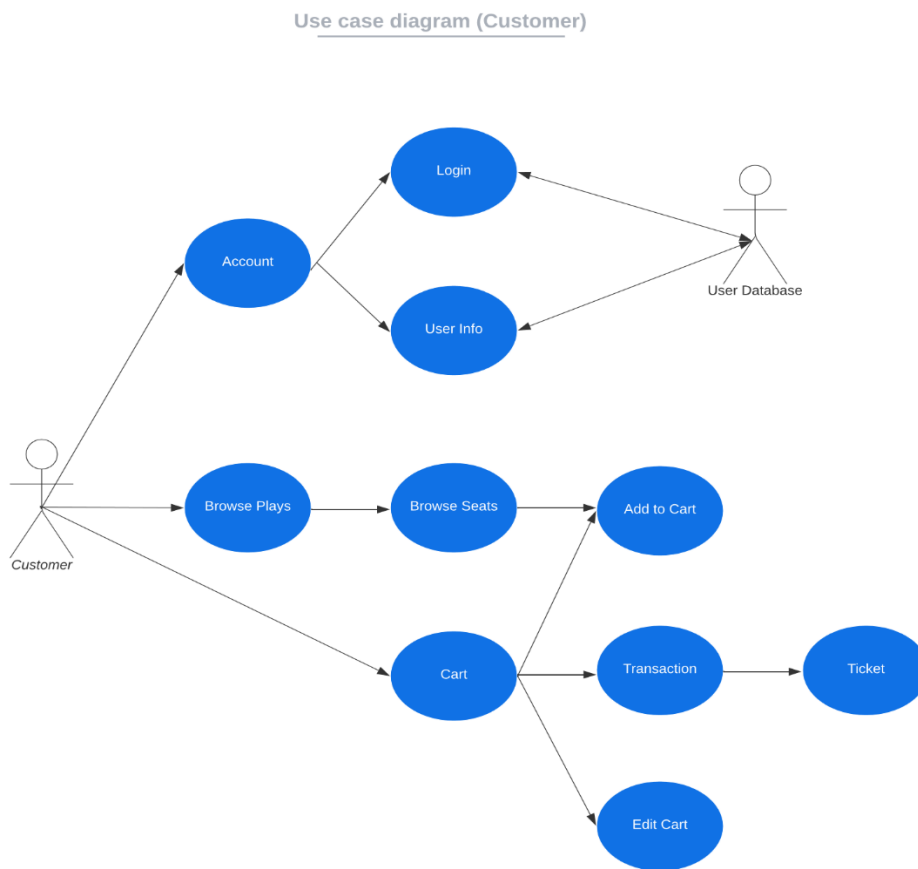
Brief Description

The customer browses plays and purchases a seat.

Description

The customer can access account by logging in. This is where all of their information is. Login is verified

by the User database They also have access to browse plays and their cart. When browsing plays, they

can then browse the seats in the play of their choice and add the seat they want to their cart. From their

cart, they can decide to edit their cart or purchase the seats that are in their cart. This will initiate the

transaction which will look to see if they are logged in and have a valid email and credit card. If

transaction is successful, A ticket will be generated and be submitted to customer**.**

Use Case: Administrator Manages Plays

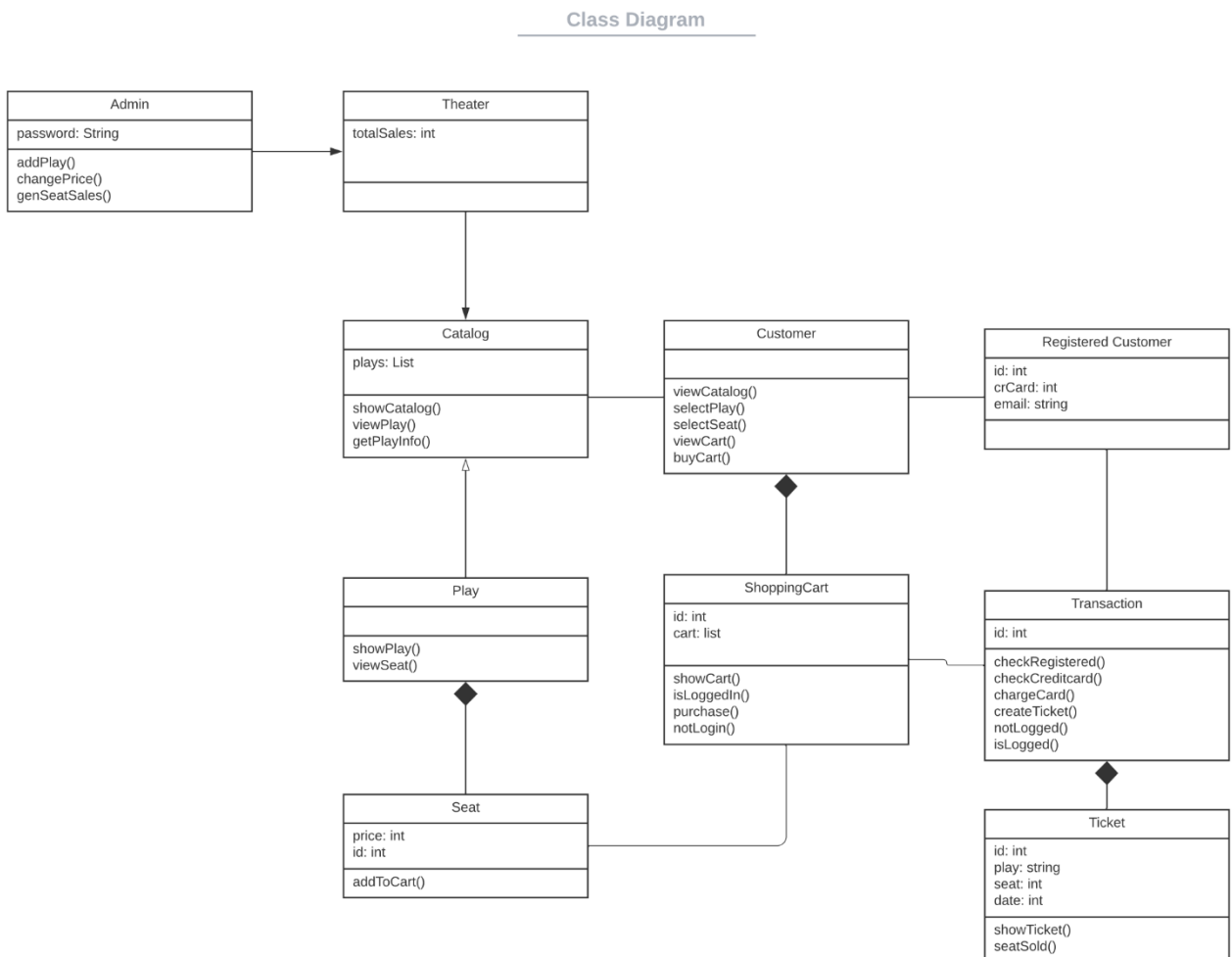Use case diagram (Admin)
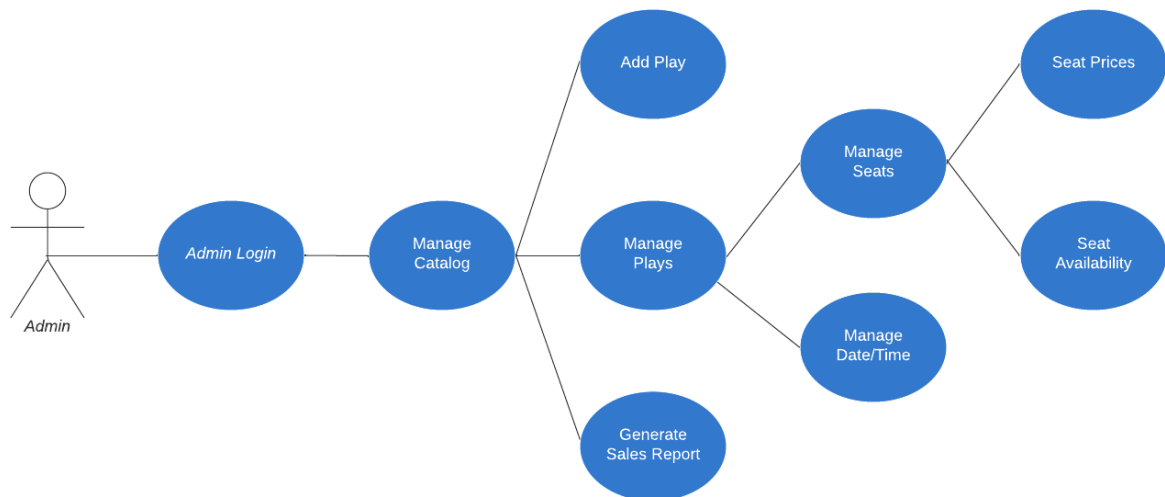
Brief Description

Administrator accesses admin and manages the plays and their seats.

Description

Administrator first logs in with the admin login. They can them access the catalog manager. From here, they can add play's okay to the catalog, generate a sales report or manage plays. They can then mange the date/time or the seats of the plays. From the seat manager, they can set the seat prices and the seat availability.

Class Diagram

Class Diagram

Sequence Diagram