Theater Ticket Sales System
Software Design Document

Name (s):
Devin Chavez
Benjamin Walter

Date: 03/23/2022

TABLE OF CONTENTS

1. INTRODUCTION

1.1 Purpose

This software design document describes the architecture and system design of the Theater Ticket Sales System.

1.2 Scope

The Theater Ticket Sales System will provide an online system for the tracking and sales of seat tickets for plays at the theater. It will include an interface for customers to browse and purchase seats for plays at the date they choose. There will also be an interface for administrators. This will allow them to manage the plays and get data from sales.

1.3 Overview

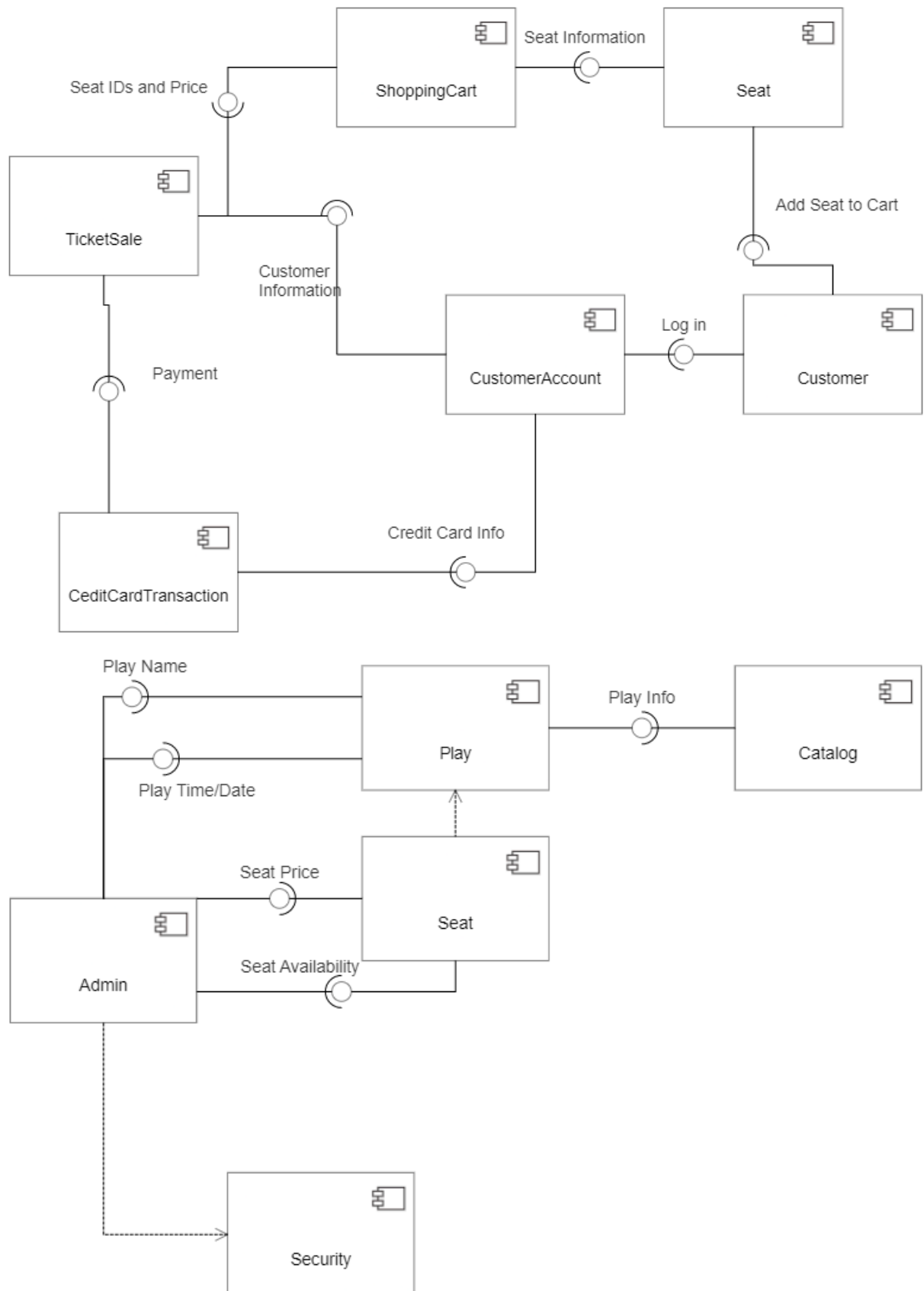Provide an overview of this document and its organization.
.

2. SYSTEM OVERVIEW

It will include a user interface so that customers can browse the catalog of plays online. They will be able to choose the play they wish to see and the date they want to see it. They can then choose a seat for that play. There will also be a cart for their selections. When they are ready to purchase their items in their cart, it will use the registered user's information to complete the purchase and present a complete transaction report.

There will also be a log in for administrators. Administrators will be able to manage the theater after logging in. They will be able to add plays and manage the time/dates of those plays. They will also be able to manage the price of each seat in the plays. There will also be a report of all the sales that have been generated by the theater.

3. SYSTEM ARCHITECTURE

Seat IDs and Price

ShoppingCart

Seat Information

Seat

TicketSale

Customer Information

Add Seat to Cart

Payment

CustomerAccount

Log in

Customer

CeditCardTransaction

Credit Card Info

Play Name

Play

Play Info

Catalog

Play Time/Date

Seat Price

Seat

Admin

Seat Availability

Security

6. HUMAN INTERFACE DESIGN

6.1 Overview of User Interface

From the user's perspective, the user will first be able to view the home page of the site. On the home page the user will be able to browse through the catalog. They will be able to select the name of the play that they want to see. They can then select the time and date of the play. They will then be presented with a layout of the theater seats. It will show the seats that are available and the ones that are taken. When a seat is clicked, it will display the price for the seat. From here, they can choose to add the seat to their cart. If they choose to view their cart, they will be presented with all the seats that they have added to their cart and the price of eat seat, along with the total. They can then purchase the seats. The transaction will take place and they will be presented with a complete transaction.

6.2 Screen Images

Seat Page

Price of Seat

Will be red or green to indicate availability

Adds seat to cart

| shopping Cart |

#1 Price Add	#2 Price Add	#3 Price Add	#4	#5
#6	#7	#8	#9	#10
#11	#12	#13	#14	#15

Shopping Cart Page

Shopping Cart

Name of one Play and date

Each seat

Starts Purchase Transaction

Individual Price

Price of All seats

Play Name #1 + Date
    Seat #1   Price 1
    Seat #2   Price 2

Play Name #2   Date
    Seat #1   Price 1
    Seat #2   Price 2

Total Price

| Purchase |