MoviePlug Ticketing System

Software Design Specification

Version 1

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Group 5

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# System Description

The purpose of MoviePlug Ticketing Systemis to ease customers' movie ticket purchasing experience. By providing a convenient online web-based platform that essentially acts as a hub for customers purchasing movie tickets. It has access to 20 partnered theaters across the San Diego region offering access to both regular and deluxe theater seating reservations. The system shall interface with several APIs and a relational database that streamlines processes such as movie searches, ticket purchases, seat reservations, payment, and reviews. Customer accounts are available and loyal customers reap rewards through their loyalty points saved to their account, with their commitment to our product. Overall, the system will provide a user-friendly portal for movie-goers that offers the ability to skip long lines on movie night.

# Software Architecture Overview

## Architectural Diagram

## UML Class Diagram

## Description of Classes

*Should be detailed and specify datatypes, function interfaces, parameters, etc..*

## Description of Attributes

*Should be detailed and specify datatypes, function interfaces, parameters, etc..*

## Description of Operations

*Should be detailed and specify datatypes, function interfaces, parameters, etc..*

# Development Plan and Timeline

## Partitioning of Tasks

## Team member Responsibilities