Movie Booking Web Application

Version 1.1

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 18/03/2023 | 1.0 |  | Enache Mihai |
| 16/04/2023 | 1.0 | Changed project idea | Enache Mihai |
| 01/05/2023 | 1.1 | Back to the original project idea (final decision) | Enache Mihai |
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# Introduction

The purpose of this document is to collect, analyze, and define high-level needs and features of the ***Movie Booking Web Application***. It focuses on the capabilities needed by the stakeholders and the target users, and **why** these needs exist. The details of how the ***Movie Booking Web Application*** fulfills these needs are detailed in the use-case and supplementary specifications.

## Purpose

The purpose of this **Vision** document is to provide clear and concise overview of a project’s goals and objectives, as well as the scope of the project and the requirements for its successful completion. The **Vision** document serves as a reference point for all stakeholders involved in the project to ensure that everyone has a shared understanding of the project’s purpose, goals, and requirements.

## Scope

The scope of this **Vision** document is to provide a clear and concise overview of the project, its goals, and its key deliverables.

## Definitions, Acronyms, and Abbreviations

[This subsection provides the definitions of all terms, acronyms, and abbreviations required to properly interpret the **Vision** document. This information may be provided by reference to the project’s Glossary.]

## References

[This subsection provides a complete list of all documents referenced elsewhere in the **Vision** document. Identify each document by title, report number if applicable, date, and publishing organization. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document.]

## Overview

[This subsection describes what the rest of the **Vision** document contains and explains how the document is organized.]

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | inefficient and time-consuming movie booking |
| affects | both moviegoers and theater owner |
| the impact of which is | decreased customer satisfaction and potential loss of revenue for the theaters |
| a successful solution would be | to develop a user-friendly and efficient online movie booking platform that allows users to easily search for available movies, select their preferred seats, provide real-time updates on seat availability, showtimes, and other relevant information to improve the overall user experience. |

## Product Position Statement

|  |  |
| --- | --- |
| For | moviegoers |
| Who | value convenience and ease of use |
| The Clip Craft Web Application | represents a viable solution |
| That | simplifies the process of booking movie tickets online |
| Unlike | traditional ticket booking methods that may require physical presence at the theater or long wait times |
| Our product | enables users to browse and book tickets from the comfort of their homes or on-the-go via mobile devices. |

# Stakeholder and User Descriptions

## Stakeholder Summary

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| Moviegoers | Individuals who purchase movie tickets | Use the Movie Booking Web Application to search for and book movie tickets |
| Theater Owners | Owners and operators of movie theaters | Partner with the Movie Booking Web Application to offer online ticket booking options to customers, provide feedback on platform performance, and promote the service to their audiences |
| Data Analysts | Professionals responsible for analyzing user data and platform performance metrics | Monitor platform usage and user behavior, identify trends and insights, and provide recommendations for improving platform performance and user engagement |
| Web Developers | Professionals responsible for building and maintaining the web application | Design and develop the Movie Booking Web Application, ensure platform functionality and security, and troubleshoot technical issues as they arise |
| Management Team | Decision-makers responsible for overseeing the overall direction and strategy of the business | Set organizational goals and priorities, allocate resources and budget, and ensure alignment between business objectives and platform development efforts |

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| General User | Individuals who use the Movie Booking Web Application to book movie tickets | Use the platform to search for movies, view showtimes and select seats | Moviegoers |
| Theater Employee | Personnel who work at movie theaters | Use the platform to verify customer tickets, resolve booking issues, and assist customers with any questions or concerns. Ensure that theater operations are aligned with platform bookings, and provide feedback on platform performance to theater owners. | Theater Owners |
| Web Developer | Professionals responsible for building and maintaining the web application | Design and develop the Movie Booking Web Application, ensure platform functionality and security, and troubleshoot technical issues as they arise. | Web Developers |
| Data Analyst | Professionals responsible for analyzing user data and platform performance metrics | Monitor platform usage and user behavior, identify trends and insights, and provide recommendations for improving platform performance and user engagement. | Data Analysts |

## User Environment

The features and aspects of the user environment for the **Movie Booking Web Application** are:

* User-friendly interface for browsing movies and selecting showtimes
* Robust search functionality: The platform should allow users to search for movies, theaters, showtimes,

# Product Requirements

1. **Hardware/platform requirements**

* Robust server infrastructure capable of handling large amounts of user data and traffic: The platform should be built on a reliable and scalable server infrastructure that can handle large volumes of traffic and user data without crashing or experiencing downtime.
* **Database management system**: The platform will require a database management system (DBMS) to store and manage user data, movie information, showtimes, and other relevant metadata.
* **Bowser** **compatibility**

1. **Performance requirements**

* **Responsiveness**: The platform should be fast and responsive, with minimal lag time between user actions and system responses. Users should be able to quickly browse and select movie options, view showtimes, and purchase tickets without experiencing delays or interruptions.
* **Reliability**: The platform should be reliable and available to users at all times, with minimal downtime or service interruptions. The server infrastructure and database management system should be resilient and able to handle unexpected failures or errors without disrupting user activity.
* **Scalability**: The platform should be designed to handle increasing volumes of traffic and data as user demand grows over time. The server infrastructure and database management system should be scalable and able to accommodate large amounts of data and user activity.
* **Security**: The platform should be secure and protect user data and transactions from unauthorized access or data breaches. The server infrastructure and database management system should be protected by robust security measures.
* **Search** **functionality**: The platform should have robust search functionality that enables users to find relevant content quickly and easily. Search results should be accurate and relevant, and should be presented in a user-friendly format.
* **Usability**: The platform should be easy to use and navigate, with a user-friendly interface and intuitive design that allows users to quickly find and select movie options, view showtimes, and purchase tickets without requiring extensive training or technical knowledge.