Movie renting application

Version <1.0>

Revision History

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# Introduction

The purpose of this document is to collect, analyze, and define high-level needs and features of the Movie renting 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 renting application fulfills these needs are detailed in the use-case and supplementary specifications.

The introduction of the Vision document provides an overview of the entire document. It includes the purpose, scope, definitions, acronyms, abbreviations, references, and overview of this Vision document.

## Purpose

The purpose of this document is to describe a client-server application for the users (customers), employees and administrator of a Movie renting application.

## Scope

The application allows customers to search and view the available movies, including information and photos about them, and their mark on an international level ranking movie.

It is also a way for the administrator to manage the movies, employees and customers too.

## Definitions, Acronyms, and Abbreviations

The application will use JDK for Java and MySQL for storing the database. JDK is the abbreviation for Java Development Kit, and SQL means Structured Query Language.

## References

## Overview

The application comes in handy for the customers who are interested in renting a movie.

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | Lack of time in going to multiple movie pages based on the movie type(drama,horror,comedy…etc) |
| affects | The interes of customers which wants to rent a movie |
| the impact of which is | Spending a lot of time for visiting multiple movie pages |
| a successful solution would be | An application available for customers in order to search a particular movie to rent |

## Product Position Statement

|  |  |
| --- | --- |
| For | Movie customers |
| Who | Want to rent a movie |
| The (Movie renting application) | Is a software application |
| That | Give customers the possibility to choose between movies sorted by their genre |
| Unlike | A renting site |
| Our product | Give the possibility to see more movies in parallel in order to make a comparison for a better choice |

# Stakeholder and User Descriptions

Design and implement a client-server application for renting movies. The application will be used by customers, renting company’s employees and an administrator. A customer can search and view the available movies for a specific genre . In order to rent a movie, a customer must fill a contract with its personal data, contract created by the employee. The administrator can make CRUD operations (create/update/delete) on movies , employees and customers.

## Stakeholder Summary

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| Teacher  Me | Laboratory guide  Project developer | Monitors the project’s progress  Ensures that the project will be finished in time |

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| Customer  Employee  Administrator | Persons interested in renting movies  Persons who work in the renting company  People who manage the employees and customers | Search and view available movies  Create contracts with customers  Coordinates work |  |

## User Environment

I will work alone in order to complete this task. The amount of time spent in each activity is variable. It depends on the complexity of the activity. The users could use the application everywhere. Internet connection is a constraint.

# Product Requirements

In order to implement this application, all I need is a computer with an integrated development environment (IDE) for Java capable of establishing a connection with one SQL Server. It will require a minimum of 2 GB RAM.