**SOFTWARE REQUIREMENTS SPECIFICATION**

**for**

# SUPERMARKET MANAGEMENT SYSTEM AND MARKET

**BASKET ANALYSIS**

***Prepared by***

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**CHAPTER - 1**

# INTRODUCTION

## 1.1 PURPOSE

The purpose of this document is to provide a detailed description of the ‘MovieHunter’. The main purpose of ‘MovieHunter’ is to provide many facilities for all movie lovers, producers across Kerala. Through MovieHunter website customers can book tickets in various high standard Multiplex Theaters in Kerala and they can rate and write reviews about movies in the site. Producers can assess user rating and collection from theaters to analyse success rate of their movie.

## 1.2 SCOPE

The MovieHunter is a web-based application. Through MovieHunter users can book movie tickets online. MovieHunter have all Multiplex Theaters across Kerala, users can choose any theater by checking user rating of a theater and photographs of theaters. MovieHunter also provides facilities like read and write reviews of films, so in MovieHunter users can tell their own opinions and views about a film and others can choose a movie to watch based on these user rating and reviews. The users are also provided with facilities that can be used to notify problems and complaints to theater owners. The another major function of MovieHunter is it include trailers of movies in itself so users don’t have to use another site like YouTube to watch trailers and it also provide facilities to producers to upload trailers of their movie and they can assess collection from different theaters and user reviews and ratings.

Major functional modules:

* Registration and login
* Ticket Booking
* Trailer
* Theater Show Management
* Movie review and rating
* Theater Rating
* Generating reports

## 1.3 DEFINITIONS, ACRONYMS, AND ABBREVIATIONS

PHP-Personal Home Page

JS-Java Script

AJAX- Asynchronous java script and XML

HTML-Hypertext Markup Language

SQL-Structured Query Language

## 1.4 REFERENCES

* Roger S Pressman, “Software Engineering”
* [www.w3schools.com](http://www.w3schools.com/)
* www.stackoverflow.com

## 1.5 OVERVIEW

### EXISTING SYSTEM

### In existing system to view trailers, we need to visit YouTube, to read and write reviews we have to visit several sites such as Facebook and to book movie tickets we need to visit another site or we have to get tickets manually from the theater.

### DRAWBACKS OF EXISTING SYSTEM

* Time consuming.
* Less reliability.

### PROPOSED SYSTEM

The proposed system provides anytime any place service for the customer. User can view various shows in theaters just by selecting the date and a Theater. Effort and time required for ticket booking is very less and user can choose movie by reading reviews in the site and they can also express their opinion about a movie and producers can assess opinions of viewers. The main features include:

* Registration and login
* Ticket Booking
* Trailer
* Show Management
* Movie review and rating
* Theater Rating
* Generating reports

### ADVANTAGES OF PROPOSED SYSTEM

The system is very simple in design and to implement. The system requires very low system resources and it will work in almost all configurations. It has got following features:

* Online ticket booking and payment
* Time Saving
* Reliable
* Dedicated site to all movie lovers
* Easily rate and review movies
* Remote access

**CHAPTER - 2**

# OVERALL DESCRIPTION

**2.1 PRODUCT PERSPECTIVE:**

MovieHunter is incorporates facilities needed to movie lovers, producers and also to the theaters and saves lot of time and work. Through MovieHunter customers can access its service anytime anywhere, so no more waiting in queues, no more time wastage in searching good movie reviews and high quality theaters. In MovieHunter you can and read and write reviews, watch movie trailer, book tickets in advance in various Multiplex Theaters throughout Kerala and MovieHunter also provides facilities for producers to evaluate their films based on customer voting and know collections from different theaters, and theaters can easily manage shows and assess collection every day shows.

**2.2 PRODUCT FUNCTIONS/FEATURES:**

The objective is to build a software system that is user friendly, accurately and reliably provides facilities to all movie lovers across Kerala. The software system should be convenient for its users. The aim of proposed system is to develop a system with improved facilities.

The major functional modules are:

##  Registration and login

The MovieHunter allows the user registration and login. The ordinary users can directly register their details and can login. The producers and theaters can also register easily but only after the approve by the admin.

##  Ticket Booking

Only the registered users can book movie tickets, they can book tickets from any multiplex theater in Kerala. Users can view all shows in theaters in a place by selecting any place and theater from the site.

##  Trailer Management

Producer is responsible for uploading trailer of films and management of trailers. All users can view trailer without login to the site.

##  Show Management

Show management is done by theater registered in MovieHunter. Theaters can easily make new shows by selecting dates and a movie from the site, if a show already existing in that date the system automatically notifies the theater so theaters don’t have to worry about such things.

## Movie Review and Ratings

The users can express their opinions about movie by writing reviews and rating the movie but only registered user can write review and rate movies. Any user can read reviews of movies without login to the site.

##  Theater Rating

Users can rate theaters and they can mention complaints about the theater and user can choose theaters based on theater ratings.

##  Generating reports

Various reports can be generated from the MovieHunter. The monthly or weekly ticket sales reports can be taken. Producers and theaters can use these reports for different purposes

**2.3 USER CHARACTERISTICS:**

The Supermarket Management System has 4 users.

1. **Admin :** The admin can access the entire system functionalities.
2. **Producer :** Producers can login to the system and they can upload trailer of the movie and also they can use user ratings and reviews to assess success of their movies.
3. **Theaters:** Theater is any person who responsible for managing a theater. Theater is responsible for adding new shows and managing existing shows in a theater and they can also assess ticket sales using reports generated by MovieHunter
4. **Normal Users:** The Ordinary users can register and login to the system and they can read and write reviews of various films and they can also rate the theater and tell their complaints to the theater.

## 2.4 OPERATING ENVIRONMENT

### Hardware Specification

Processor : Pentium IV/AMD Dual core or above

RAM : 2 GB and above

Hard disk : 500 GB and above

### Software Specification

Front End : PHP (Codeigniter)

Backend : MySQL

Client on PC : Windows 7 and above.

Technologies used : JS, HTML5, AJAX, J Query

### 2.5 CONSTRAINTS: \*/

It provides the genera1 description of the constraints such as regulatory policies, audit functions, reliability requirements, and so on.

### 2.6 USER DOCUMENTATION

The “MovieHunter’ will provide a user’s manual for the administrator and manager. To assist the user in understanding the product better and to assist them in better utilization of the product and its features, we will be providing an interactive user interface (in DOC format).

### 2.7 ASSUMPTION AND DEPENDENCY

We are assuming that the users will not use our product to download copyright. Also, we expect that the users not only use the software to view resources, they will also be updating details and resources for being viewed by other users. We also assume that product users will not do malicious activities on the software.

**CHAPTER - 3**

# SPECIFIC REQUIREMENTS

## 3.1 EXTERNAL INTERFACE REQUIREMENTS

The “MovieHunter” will use the following input/output devices for a personal computer. The external interfaces are:

* Keyboard
* Mouse
* Monitor
* Printer
* Mobile phone

### 3.1.1 User Interfaces

|  |  |
| --- | --- |
| **FORMS** | **DESCRIPTION** |
| Home | Different users can login to the system and anyone can watch trailers without login to the site |
| User Registration | Producer, Theaters, and Normal User can register to get access. |
| Trailer Management | Producers can upload and mange trailers for their movies |
| Reviews and Ratings | Users can write and read reviews and rate a movie. |
| Ticket Booking | Users can book movie tickets by selecting the theater and movie from the site |
| Show Management | Theaters can add new shows and manage existing shows in a theater. |
| Theater rating and Complaints | Users can rate a theater and also they can tell their complaints. |

### 3.1.2 Hardware Interfaces/\*

MovieHunter is a web based application.

### 3.1.3 Software Interfaces

Database Server: MySQL

Development End: PHP

Client on PC: Any Browser

**3.1.4 Communications Interfaces \*/**

Keyboard

Mouse

# 3.2 FUNCTIONAL REQUIREMENTS

Functional requirements define the fundamental actions that system must perform. The functional requirements for the system are divided into some main categories Employee management, Online shopping, Attendance Management, Leave Management, Salary Payment, Stock Management, Sales and purchases, and Market Basket Analysis.

## 3.2.1 Registration

3.2.1.1 Introduction

The users can register in to the system. Normal users, producers and theaters can register into the site .

3.2.1.2 Inputs

. In this module, for producer and normal user registration, the information like Name, address, contact details, etc are entered into the database. For theater registration, email id, phone number, place, number of seats available in the seat must be entered. All users must enter a username and password.

3.2.1.3 Processing

The normal user can directly register and login but in the case of producers and theaters they have to wait for the approval of admin.

3.2.1.4 Outputs

When registration is completed, in the case of normal users a success message is displayed and directed to their home page. In the case of producer and theater a message that tell they have to wait for the approval of admin is displayed.

3.2.1.5 Error Handling

During the registration process, all the inputs are validated and if there is any error, it is displayed. If a username is already in use, it also displayed.

## 3.2.2 Ticket Booking

3.2.2.1 Introduction

This module is for normal users to book movie ticket for a movie in a theater

3.2.2.2 Inputs

The district, place, theater , name, movie name, number of tickets,seat numbers ,account no, cvv etc.

3.2.2.3 Processing

While booking checks that the seat in the theater is booked or not. If not booked user can book the seat

3.2.2.4 Outputs

If payment is success a success message is displayed or if an error is occurred during booking appropriate error message is displayed.

3.2.2.5 Error Handling

If wrong account no , cvv or insufficient bank balance system will give appropriate notifiaction

## 3.2.3 Trailer Management

3.2.3.1 Introduction

This module is for producers to upload trailers and mange uploaded trailers.

3.2.3.1 Inputs

Movie name, trailer video, movie poster, cast

3.2.3.2Processing

The admin can approve or reject the trailers.

3.2.3.3 Outputs

Producer can check uploaded video.

3.3.3.4 Error Handling

If wrong file type is uploaded or miss some fields all errors will be notified to the producer.

## 3.2.4 Show Management

3.2.4.1 Introduction

This module is for theaters to add new shows and manage or view existing shows

3.2.4.2 Inputs

Date, showtime, open date, close date, movie name

3.2.4.3 Processing

Theater can add new shows by selecting opening date, closing date, show time, movie name and if already they have a show in that date and time the system will notify this to the theater.

3.2.4.4 Outputs if adding of show is success a success message is displayed or in the case of view shows , details of show in a date is displayed.

## 3.2.5 Reviews and Ratings

3.2.5.1 Introduction

User can read and write reviews of movies

3.2.5.2 Inputs

Movie name, review data

3.2.5.2 Outputs

User can read the reviews

**3.2.1 INPUT FORMS**

## 3.2.2 OUTPUT FORMS

**3.7 Other Documents**

**3.7.1 DATA FLOW DIAGRAM**

**1.7.3 USE CASE DIAGRAM**

**1.7.4 SEQUENCE DIAGRAM**

**3.7.4 TABLE DESIGN**