**Program requirements document**

**3D CINEMA**

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# Introduction

## Document Purpose

<Identify the purpose of this document, its content, intended audience.>

The purpose of the program is to give the overall idea of the functions this program provides. From name of variables, including their data type and purpose, to algorithms inside the program to do specific tasks. We explain the structure of the program in a simplest way and give visual representation to be followed by the description of all variables and ending with flowcharts explaining algorithms done in the program.

## Definitions, Acronyms and Abbreviations

<List all concepts used in this document that are unknown to intended audience.>

We didn’t use any advanced concepts while the making of this document, so it is safe to say that all the information provided is user friendly.

Abbrevations:

gName=get name

gMovie=get movie

gSeats=get seats

# Program description

<Define the goal of the program and describe its main functions.>

The purpose or this program is to create an easy graphical user interface for booking a movie ticket. There are many stages during this program. First, we start in the main menu, where our customer received with a warm welcome, and is asked for his name. After that a list of movies is show to him and asked to select a movie of his choice. Selecting a movie leads to choose how many seats the customer wants, and finally leads to laying out the booked movie and the total amount to pay. This program is intended to be used by customers that attend the 3D CINEMA since it is going to be a system in the facility rather it being a online system.

# Program requirements specification

## Functional requirements

<What services will provide your program? Define at least 5 functional requirements.>

1. Asking for name
2. Asking to select the movie
3. Asking for the number of seats
4. Calculating the total amount to pay and pay
5. Asking user to book more tickets or not

## Non-functional requirements

<What constraints will have your program? Define at least 3 non-functional requirements. Non-functional requirements include performance requirements, user interface requirements, safety requirements, program quality attributes, etc. Describe the verification method for each non-functional requirement, e.g., system response time is measured in milliseconds.>

1. The only language provided in the program is English.
2. The response time between every stage of the program is less than 20 ms.
3. The maintainability of this program is outstanding, the service can be managed in the most efficient way.
4. The background of the home page is blue.