CineHub

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##### TTBMP

Sommario

[1 Introduction 2](#_Toc75733262)

[1.1 Aim of the document 2](#_Toc75733263)

[1.2 Overview of the defined system 2](#_Toc75733264)

[1.3 Operational settings 2](#_Toc75733265)

[1.3.1 La versione desktop di CineHub è stata testata su: 2](#_Toc75733266)

[1.3.2 La versione web di CineHub è stata testata su: 2](#_Toc75733267)

[1.3.3 Sono richieste le seguenti caratteristiche: 2](#_Toc75733268)

[1.4 Related systems 3](#_Toc75733269)

[2 User Stories 4](#_Toc75733270)

[2.1 Palmieri Ivan 4](#_Toc75733271)

[2.2 Massimo Mazzetti 4](#_Toc75733272)

[3 Functional Requirements 4](#_Toc75733273)

[3.1 Palmieri Ivan 4](#_Toc75733274)

[3.2 Massimo Mazzetti 5](#_Toc75733275)

[4 Use Case: Overview Diagram 6](#_Toc75733276)

# Introduction

## Aim of the document

In the following document we will introduce the CineHub project, developed for the Software Engineering and Web Design course of the academic year 2020-21.

## Overview of the defined system

The CineHub project is an ERP system aimed to the cinema industry.

The system in discussion offers the automation and assisted management of movie theater chains through several ERP modules.

The e-commerce and human resource modules have been designed and developed for the current version.

## Operational settings

The system requires the deployment of the following artifacts:

* an internet connection and the deployment of a MySql database and a spring boot application inside a servlet container.
* a MySql database schema
* a SpringBoot application
* a

Java 11

JavaFx

SpringBoot

MySql

Connessione internet

### La versione desktop di CineHub è stata testata su:

* Windows 10
* MacOs

### La versione web di CineHub è stata testata su:

* Google Chrome
* Edge
* Mozilla Firefox
* Internet Explorer 10+
* Safari
* Opera

### Sono richieste le seguenti caratteristiche:

* S.O: Windows 7 or greater, macOS 10.4 or greater, Android 2.3, iOS 6 or greater, any Linux distribution.
* Internet connection.
* 2GB of RAM.
* Java 11 JRE.

##### Sia la versione desktop che la versione web richiedono la Java 11 JRE installata sul proprio dispositivo per un funzionamento corretto.

## Related systems

Our system is very original, as it allows you to combine a management system used for managing employee shifts, with a system for purchasing different tickets in different cinemas. All in one app.

# User Stories

## Palmieri Ivan

* As user, I want to buy a ticket online, so I can see the movie.
* As a user, I want to be able to choose (additional options\*) for the reserved seat, so that I can feel at ease.
* As a user, I want to cancel my booking, to get a refund in case of unexpected events.

\* Additional option = {seat heated; folding chair; skip the line}

## Massimo Mazzetti

* As an unlogged user, I want to see the cinema projection, so that I can choose whether to go to the cinema to watch a movie.
* As an administrator, I want to define work shifts, so that I can manage the employees.
* As an administrator, I want to see a report on the employee status of the show, so that I can assert the right amount of usher and projectionist for the show.

# Functional Requirements

## Palmieri Ivan

* The system shall provide you to a search for movie.
* The system shall provide you to choose your seat in the cinema hall.
* The system shall provide a login service with firebase.

## Massimo Mazzetti

* The system shall provide the availability of seats in the cinema hall.
* The system shall keep track of employee shifts.
* The system shall provide general report every 15 of the month.

# Use Case: Overview Diagram