**Cinema Management**

**System Software Devevlopment Plan**

**Version 1.0**

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 15/12/2020 | 0.1 | Initial Document | Thao |
| 22/12/2020 | 0.2 | Update basic information | Tho |
| 01/01/2020 | 0.3 | Review and update section 6.3 | Phuong |
| 02/01/2020 | 1.0 | Review and update section 6.1 and 6.2 | Sang |

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**Software Development Plan**

1. **Introduction**

This document provides an overview of the software development plan of Hotel Management system.

1. **References**

N/A

1. **Definitions and Abbreviations**

CM: Cinema management.

SDP: Software Development Plan

POC: Proof of Concept

PM: Project Manager

DEV: Developer

QA: Quality Assurance

BA: Business Analyst

CI/CD: Continuous Integration and Continuous Delivery

1. **Project Overview** 
   1. Project Purpose, Scope, and Objectives

A software to serve the needs of saving time as well as human resources, ... the work helps to increase, minimize possible errors and apply informatics, automate into results management effects. .

the topic "Building a cinema management system" aims to achieve the following main goals:

+ Accuracy: updating and selecting showtimes must be appropriate, accurately minimize errors in order to improve service quality of theaters.

+ Fast processing: making reports, statistics, updating data (movie list, cinema list, cinema list, ...) needs to be fast and accurate.

+ Search easily: searching and searching for movie-related information, screening room, show time, ... should be easy. Whenever users need to find information, they will immediately know where to look and how to look.

+ Support for management: through the tickets sold, the package will give statistics about the movie, the best-selling time frame, ...

+User-friendly: the software package is completely built in Vietnamese, using easy-to-understand and easy-to-read words. User-friendly interface construction.

* 1. Assumptions and Constraints

The project has 4 people and there will be no more people added during the project.

* 1. Project Deliverables

The deliverables of the project include:

* Technical documents e.g. software architect and designs, test plan, test cases, reporting etc.
* Software release (POC)

# Project Organization

## Organizational Structure

Below is the organizational structure of the project team:

## Roles and Responsibilities

|  |  |
| --- | --- |
| **Person** | **Role** |
| Tho | Project Manager / Business Analyst |
| Thao | Development Lead |
| Phuong | Developer |
| Sang | Tester |

# Management Process

## Project Estimates

|  |  |  |
| --- | --- | --- |
| **Work Items** | **Effort Estimation (man-days)** | **Remarks** |
| Requirement | 2.0 |  |
| UI/UX | 11.5 |  |
| Development (Coding + Unit Test) | 44.6 |  |
| Testing (Feature + Regression) | 10.4 |  |
| Documentation | 15.5 |  |
| **Total before correction for underestimation** | **84.0** |  |
| Project Management (10%) | 8.0 |  |
| Contingency & change management (15%) | 13.0 |  |
| **Total Effort Estimation** | **105.0** |  |

## Project Plan

## Project Monitoring and Control

### Reporting:

The approaches to reporting project status include daily, weekly report scrum status report etc.

### Configuration Management

|  |  |  |
| --- | --- | --- |
| **No.** | **Item** | **Description** |
| 1 | Microsoft Teams | Team collaboration.  Files storage for storing CMS project documents and so on. |
| 2 | Visual studio 2019 | Project management.  Using Scrum process template, reporting, version control (Git) for storing source codes and related files. |
| 3 | Office 365 | Document creation.  Modifying, creating project documents, e.g. software development plan, architect and design, test plan, reporting etc. |