

**FIT Company**



**Carti Hotel Management System Supplementary Specification**

**Version <1.0>**

**Revision History**

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**Supplementary Specification**

1. **Introduction**

## Purpose

The purpose of this Additional Specification is to detail system requirements not addressed in the use-case model document. These include legal and regulatory compliance, application standards adherence, expected quality attributes of the final software, and other miscellaneous requirements.

## Scope

This Supplementary Specification applies to the CHMS.

## Definitions, Acronyms, and Abbreviations

CHMS – Carti Hotel Management System

## References

None

## Overview

The supplementary specification document is organized into several sections, covering Functionality, Security, Reliability, Performance, Supportability, Design Constraints, Online User Documentation and Help System Requirements, Purchased Components, Licensing Requirements, Legal and Copyright Notices, and Applicable Standards.

1. **Functionality**

## Multiple users support

When numerous users are logging in at once, the system needs to be able to manage all of the tasks.

## Security assurance

The system includes a process to authenticate each user's identity and permissions, preventing them from modifying the registration data of other users.

## System error logging

The system is designed to log all encountered errors. For critical system errors, it will initiate a systematic shutdown. Error messages will include a textual description, the relevant operating system error code (if applicable), the module identifying the error, and a date and timestamp. All logged errors will be stored in the Error Log Database.

1. **Usability**

## Windows and MAC OS compliance

The desktop user interface shall be Windows 7/8/10 compliant and compatible with the environment of MAC OS.

## Ease of use

The user interface of the HMS shall be designed for ease of use and shall be appropriate for a computer-literate user community with no additional training on the System.

1. **Reliability**

## Availability

The ICMS System should be available 24/7, seven days a week. Downtime should not exceed 10% of the total time..

## Mean time between failures

The mean time between failures will exceed 400 hours.

## Information security

The system shall ensure that all information is secure

1. **Performance**

## Transaction response time

The HHMS is expected to execute 80% of all transactions within a timeframe of 5 minutes.

## Simultaneous users

The HHMS should possess the capability to manage up to 100 concurrent accesses to the central database simultaneously.

## Database access response time

The latency will not exceed 20 seconds.

## System access response time

The time for loading software is no more than 2s

1. **Supportability**

## Internet protocols

TCP/IP Protocols

## Maintenance

Maintenance will take place every month

## Error support

Regular training programs will be implemented to ensure that the administrative staff is kept abreast of the software's functionalities in accordance with the center's requirements.

## Periodical training support

In the event of system malfunctions, error notifications can be forwarded to the technical support department via email.

1. **Design Constraints**

## Platform requirements

The Client portion of the HHMS system shall operate on any computer with a Core i3 or higher processor, at least 1GB disk space and 2GB RAM.

## Database support

The infrastructure of the system should support MySQL database

1. **Online User Documentation and Help System Requirements**

None

1. **Purchased Components**

None

1. **Interfaces**

## User Interfaces

The UI of the software is designed on the foundation of Figma and has a desktop app interface.

## Hardware Interfaces

The software uses a Local area network (LAN) and Wide area network (WAN) to collect data from administrators.

## Software Interfaces

Security methods will be implemented to prevent malicious access.

## Communications Interfaces

The HHMS will be connecting to the Internet

# Licensing Requirements

NA

# Legal, Copyright, and Other Notices

NA

# Applicable Standards

NA