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# **International University of Sarajevo**

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## **Video Super Rental (VSR) Supplementary Specification**

**Version <1.0>**

Video Super Rental	Version: 1.0
Supplementary Specification	Date: 30/10/2021
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## Revision History

Date	Version	Description	Author
30.10.2021	1.0	First draft. To be refined primarily during elaboration.	Adelisa Sirco and Sadifa Ceman

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# Supplementary Specification

## 1. Introduction

### 1.1 Purpose

The goal of this paper is to outline the Video Super Rental System's requirements. The requirements that are not easily captured in the use cases of the use-case model are listed in this Supplementary Specification. Together, the Supplementary Specifications and the use-case model represent the entire range of system requirements.

This document is intended for software engineers, developers, users and other stakeholders that have some relation to the system.

### 1.2 Scope

The Video Super Rental system that will be built will be covered by this Supplementary Specification.

Customers will be able to sign up for membership in the video super rental system. It allows staff to keep track of transactions and inventory at the counter.

This specification specifies the system's non-functional requirements, such as reliability, usability, performance, and supportability, as well as functional requirements that apply to multiple use cases. (The Use Case Specifications outline the functional requirements.)

### 1.3 Definitions, Acronyms, and Abbreviations

**VSR**- Video Super RENTAL

**Requirement** - Documented representation of a condition or capability needed by a user or that must be met by a system, to achieve an objective or satisfy a formally imposed document.

**Stakeholder** - People or organizations who will be affected by the system and who have a direct or indirect influence on the requirements.

### 1.4 References

Project initial requirements, Khaldoun Al Khalidi

Use Case document; Sadifa Ćeman and Adelisa Sirco

Business rules document, Sadifa Ćeman and Adelisa Sirćo

Vision document, Sadiga Ćeman and Adelisa Sirćo

Glossory document, Sadifa Ćeman and Adelisa Sirćo

Supplementary Specifications Document Template

### 1.5 Overview

The functional and non-functional needs of VSR will be established in the following sections, as well as design restrictions, online user manuals, acquired components, interfaces, licensing requirements, formal notices, and applicable standards.

## 2. Functionality

### 2.1 Logon Capabilities

The system shall provide the users with logon capabilities.

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## **2.2 Mobile Devices**

The VSR System is also supported on mobile devices.

## **2.3 Alerts**

The system can alert the VSR staff or the administrator in case of any problems.

## **3. Usability**

Users must be able to connect to the system via the Internet using HTML or its derivative technologies. The system's user interface is a web browser.

No special training is required because all users are familiar with how to use browsers in general.

The system is simple to use and understand..

## **4. Reliability**

### **4.1 Availability**

The VSR System shall be available 24 hours a day, 7 days a week. There shall be no more than 5% down time.

### **4.2 Mean time between failures**

Mean Time Between Failures shall exceed 200 hours.

## **5. Performance**

The performance characteristics of the system are outlined in this section.

### **5.1 Response time**

Response time shall not be longer than 15 seconds.

### **5.2 Capacity**

The system shall support up to 1000 simultaneous users against the central database at any given time, and up to 250 simultaneous users against the local servers at any one time.

### **5.3 Throughput**

The system must be able to complete 90% of all transactions within 5 minutes.

## **6. Supportability**

### **6.1 New Releases**

Upgrades to the PC client portion of VSR shall be downloadable from the app store over the internet. This feature enables customers to have easy access to system upgrades

## **7. Design Constraints**

### **7.1 Internet Browser**

The web-based interface for the VSR System shall run in Google Chrome and Internet Explorer browsers.

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## **8. Online User Documentation and Help System Requirements**

Online help is provided for each of the feature available with the VSR System. All the applications provide an on-line help system to assist the user. The nature of these systems is unique to application development as they combine aspects of programming (hyperlinks, etc) with aspects of technical writing (organization, presentation). Online help is provided for each feature provided by the system.

The User Manual describes the use of the system to Librarian and Employees. It describes the use of the system on mobile systems. The user manual should be available as a hard copy and also as online help.

## **9. Purchased Components**

Will need to purchase the license for server.

## **10. Interfaces**

### **10.1 Hardware Interfaces**

(LAN) will be used for collecting data from the users and also for updating the VSR Catalogue.

### **10.2 Communication Interface**

The VSR System will be connected to the World Wide Web.

### **10.3 Software Interfaces**

A firewall will be used with the server to prevent unauthorized access to the system.

## **11. Licensing Requirements**

The usage is restricted to only VSR members.

## **12. Legal, Copyright, and Other Notices**

VSR System is a trademark of Video Super Rent company and cannot be used without its consent.

## **13. Applicable Standards**

The ISO/IEC 6592 guidelines for the documentation of computer based application systems will be followed.