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# **Software Requirements Specification**

**Metadata Repository for Computing  
Conferences – CSRepo**

Version 1.0

06/12/2017

<i>Software Requirements Specification</i>	<i>Version 1.0</i>
<i>Metadata Repository for Computing Conferences -CSRepo</i>	<i>Data: 05/De/17</i>

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## Revision History

<b>Name</b>	<b>Date</b>	<b>Reason For Changes</b>	<b>Version</b>
Ana Mendes	04/dec/17	Beginning of the structuring of the document	1.0
Ana Mendes	05/dec/17	Beginning of the inclusion of functional requirements	1.0

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# 1. Introduction

## 1.1 Purpose

This document is intended to specify the requirements of CSRepo system in order to provide the information necessary for the implementation, testing and approval of the software.

## 1.2 Product Scope

The document describes the use cases of the CSRepo tool, which allows obtain of metadata in an automated way by client systems and the availability of metadata for search users when they have access to the repository.

The requirements specified in this document are related to the prototype of the interface contained in the document.

## 1.3 Intended Audience and Reading Suggestions

Researchers and client systems that provide metadata.

## 1.4 References

The following link was used to identify the basic needs of the system: <http://score-contest.org/2018/projects/csrepo.php>

## 1.5 Document Conventions

# 2. Overall Description

## 2.1 User Classes and Characteristics

The CSRepo tool will be used by a user profile, considered as a searcher, who wants to obtain metadata of scientific articles of computing. A second user profile, considered as client system, can will obtain the metadata of scientific articles of computing in an automated way. The last user profile is the administrator, which can change metadata such as see the notifications send by other users too.

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## **2.2 Assumptions**

## **2.3 Restrictions**

# **3. Call**

## **3.1 Functional Requirements**

[FR01] When the client system has access to the repository and request an existing metadata in the repository, the system must ensure the exportation of the desired metadata in export patterns BibTex or XML.

[FR02] When the client system has access to the repository and request the non-existent metadata in the repository, the system must return a message informing the absence of the metadata in the repository.

[FR03] When the client system has access to the repository and request an existing metadata of papers from a conference edition, the system must ensure the exportation of the desired metadata in only one on archive all the metadata of this conference edition.

[FR04] When the client system has access to the repository and request the non-existent conference edition metadata exportation, the system must return a message informing the absence of the edition in the repository.

## **3.2 Non-Functional Requirements**

### ***3.2.1 Usability***

### ***3.2.2 Reliability***

### ***3.2.3 Performance***

### ***3.2.4 Reusability***

### ***3.2.5.Security***

### ***3.2.6Accessibility***

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## **4. Interface Requirements**

### **4.1 Interfaces with the User**

### **4.2 Hardware Interfaces**

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### **4.4 Communication Interfaces**

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## **7. Supporting Information**

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## 8. Requirements Mapping with Use Cases