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Software Requirements Specifications

For

YGOArchives

**16th April 2022**

Version 1.0

Centralia College

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| **Name** | **Date** | **Reason for Changes** | **Version** |
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|  |  |  |  |

1. Introduction

# 1.1 Purpose

To allow users to look up any cards and their details through a filter and search bar.

# 1.2 Intended Audience

This document is used for project managers, developers, and testers.

# 1.3 Scope

Users will be allowed to search up any cards they want, and an api will send info back.

# 1.4 References

Centralia College: 600 Centralia College Blvd, Chehalis, WA, 98531

2. Overall Description

# 2.1 Product Perspective

The system will be interconnected into the Centralia College website. A link will be said website, letting you in the application

# 2.2 Product Functions

Look up cards

Set parameters on filter

# 2.3 User Classes and Characteristics

Users will fall into several different categories:

Users: using a phone, laptop, or desktop

Developers: using a laptop or desktop

# 2.4 Operating Environment

| **Project** | **Starter** | **Cost-Effective** | **Large Project** |
| --- | --- | --- | --- |
| **Operating System** | Windows 7  Windows 8  Windows 10  Windows 11 | Windows 7  Windows 8  Windows 10  Windows 11 | Windows 7  Windows 8  Windows 10  Windows 11 |
| **Processor** | Intel(R) Core  (TM) i3 or higher | Intel(R) Core  (TM) i3 or higher | Intel(R) Core  (TM) i5 or higher |
| **RAM** | 4 GB | 4 GB | 8 GB |
| **Hard Disk Drive** | 20 GB or above | 20 GB or above | 20 GB or above |
| **Graphics Card** | 512 MB or above | 512 MB or above | 1 GB or above |
| **Display** | 32-bit color or above | 32-bit color or above | 32-bit color or above  Resolution 1920 X 1280 |

# 2.5 Design and Implementation Constraints

The system needs to be integrated with the API from the YGOPRODECK website which limits cards that can be looked up.

# 2.6 Assumptions and Dependencies

No info at this time

3. External Interface Requirements

# 3.1 Hardware Interfaces

Users must have an operating system and an internet connection to the YGOArchives website.

# 3.2 Software Interfaces

There is no info at this time

# 3.3 Communication Interfaces

The users will need a web browser to communicate on an electric form. This allows users to search up cards.

4. Functionality

# 4.1 Search bar

Search bar that can search a card by text or name

# 4.2 Filter

A filter that can limit the cards shown to certain restraints

5. System Features

Search bar

Filter bar

## 5.1 Other Diagram and mock up