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Software Requirements Specifications

For

YGOArchives

**16th April 2022**

Version 1.11

Centralia College

**Table of Contents**

[**1. Introduction**](#_14mpx6a8znb7) **3**

[**1.1 Purpose**](#_flcz93jzykd9) **3**

[**1.2 Intended Audience**](#_oymnw3nlvwib) **3**

[**1.3 Scope**](#_c5rpsdy8g2ak) **3**

[**1.4 References**](#_x5u0l8hx0kbh) **3**

[**2. Overall Description**](#_e2xufs1p0qsu) **3**

[**2.1 Product Perspective**](#_bbcoz3kmq0ne) **3**

[**2.2 Product Functions**](#_22ei1kpwo61x) **3**

[**2.3 User Classes and Characteristics**](#_k2h25z6vl8yo) **4**

[**2.4 Operating Environment**](#_h8vbgu4or3e1) **4**

[**2.5 Design and Implementation Constraints**](#_im7x4r3jkvfs) **4**

[**2.6 Assumptions and Dependencies**](#_lw6v39ce9k8e) **4**

[**3. External Interface Requirements**](#_by8nlhka0np8) **4**

[**3.1 Hardware Interfaces**](#_a35inqhw5820) **5**

[**3.2 Software Interfaces**](#_738noo6bnime) **5**

[**3.3 Communication Interfaces**](#_i0ynikk4v547) **5**

[**4. Functionality**](#_y4p33d6z7rar) **5**

[**4.1 Search bar**](#_zdwf30w49uj4) **5**

[**4.2 Filter**](#_k0h53fs7w4mj) **5**

[**5. Checklist**](#_dilter6ftqzq) **5**

[6. Other Diagram and mock up](#_rns36pypoqfe) **6**

| **Name** | **Date** | **Reason for Changes** | **Version** |
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| mark | 5/1/2022 | revised parts | v1.02 |
| Mark | 5/8/2022 | Added Checklist / fixed table of contents | v1.1 |
| Mark | 5/15/2022 | Revised parts | v1.11 |

# 

# 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 connected to the internet as its own page.

The system is gathering all its info from the api from a different website.

## 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.

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# 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

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# 5. Checklist

| **Requirement** | **User Story** | **Status** |
| --- | --- | --- |
| Search bar that searches cards | As a user, I want to look up all cards with a specific name | done |
| Stats of cards | As a user, I want to see all the cards details that I select | done |
| Images of cards | As a user, I want to see the cards picture that I select | done |
| Filter that searches cards with restraints | As a user, I want to look up cards with a certain value |  |
|  |  |  |

# 6. Other Diagram and mock up

