Software Requirements Document

Cards

Copy and Paste Until It Is Done

December 1, 2020

Group Members
Devin O'Brien Jake Keels Sage Bonfield

UNCG Honor Code

1 Introduction

Contents

1.1 Purpose

This Software Requirements Document is for the CSC 429-01 Software Engineering semester project. This document will cover the requirements that are imposed by the project and the expectations of the software.

1.2 Document Conventions

This document was made using LaTeX

1.3 Intended Audience

This SRD is intended for Professor Ike.

1.4 Definitions/Jargon

SRD : Software Requirements Document
JRE : Java Runtime Environment
JDK : Java Development Environment
JVM : Java Virtual Machine

1.5 Project Scope

1.6 Technical Challenges

1.6.1 Github and Git

1.7 References

2 Overall Description

2.1 Product Features

2.2 User Characteristics

2.3 Operating Enviornment

This software is intended to be used in a professional environment.

What is a professional Environment?

2.4 Design and Implementation Constraints

This software is required to be implemented in Java.

2.5 Assumptions and Dependencies

3 Functional Requirements

3.1 Primary Functions

Primary functions are those that will always be available.

3.2 Secondary Functions

Secondary functions are those that may not always be available.

4 Technical Requirements

4.1 Operating Systems/Compatibility

This software will use libraries that are cross-platform to some extent to be allowed to work on operating systems that run JRE 8.

4.2 Interface Requirements

4.2.1 User Interface

The User Interface must not be cluttered, and needs to be intuitive.

4.2.2 Hardware Interface

The software will not require any special hardware interfaces beyond what is required of a standard Java Desktop Application which includes but not limited to the following:

- A Monitor
- CPU w/ multithreading capabilities
- RAM

- Storage Device

4.2.3 Software Interface

This software will require JRE 8, and some graphical service (like Xorg on linux).

4.2.4 Communications Interface

This software will use an API on a remote service to ...

5 Nonfunctional Requirements

5.1 Performance Requirements

5.2 Safety/Recovery Requirements

The software will have the following features to protect the user data: (1) Backup saving system to prevent primary file from being corrupted due to premature shutdown. (2) Autosaving sytem to save userdata a change has been made.

5.3 Security Requirments

The software would normally have security requirements to protect its users. However for this project, it is beyond its scope and will not be worked on.

5.4 Policy Requirements

5.5 Software Quality Attributes

5.5.1 Availability

This software will have the following feature(s) that will become unavailable without Internet access:

- Google Calendar (Syncing)

5.5.2 Correctness

This software will strive to ensure that data is properly saved to prevent loss of the aforementioned data.

5.5.3 Maintainability

This software will strive to follow the standards for object oriented programming to make it easier to maintain the software.

5.5.4 Reusability

This software will strive to follow the standards for object oriented programming.

5.5.5 Portability

Thissoftware will strive to work cross-platform.

5.6 Process Requirements

5.6.1 Development Process Used

This project plans to use a waterdown development process.

5.6.2 Time Constraints

There are no time constraints except for the delivery date.

5.6.3 Cost and Delivery Date

The delivery date for the project is ***December 1, 2020***.