**Software Documentation**

**For**

**Life Generator**

**by**

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**I Introduction**

* 1. **Purpose**

The purpose of this document is to explain in detail the Life Generator program. This document will detail the features, uses, and scope of the program as well as future planned functionalities and explain how to run the program.

* 1. **Scope**

This program was created to assist those in searching for popular toys and games for purchasing. This program allows the user to search for the most popular toys on Amazon based on their category. The user can select a “toy category” and a number of desired results and they are given the requested data within a GUI. The toys are also sorted by their average rating and are also displayed with their number of reviews as well. This program can also communicate with another microservice to better access precise data such as a Population Generator program that allows users to search toys based on states and populations.

**II Functional Requirements**

**Current Requirements**

* Users search popular toys based on a certain criteria (category)
* Users input a desired amount of results (7 results, 22 results, etc.)
* User can also interact with other microservices, such as Population Generator which works with state and population data by year

**Planned Requirements**

* Implement undo/redo functionalities
* Fulfill user story to link program with Amazon directly
* Fulfill user story to create profile to store favorited toys

**III Non-Functional Requirements**

**Current Requirements**

* Data returned to the user based on their searches and search terms is **≈** 95% accurate to their search
* Aesthetically, the GUI is easy to use and see
* Reliability is high with this program with a high success rate (96%)

**Planned Requirements**

* Add more flexibility to the program and allow it to be used on more platforms/devices
* Add direct purchase links for each product to the GUI. Allow the user travel to the purchase page for a chosen item.