**RareCandyStats User Manual**

A program to find bricking statistics in a deck.

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**Software Description**

A program to find bricking statistics in a deck.

**Detailed Description**

A simple program that emulates a Pokemon deck with rare candies. The goal of the program is to find the statistics of having a bricked prize pile (a prize pile with all rare-candy).

**System Requirements**

* A working device, primarily a desktop or laptop
* An IDE (ex: VSCode, Eclipse, etc…)
* Java JDK (Ver. 17 & up) & JRE (SE 17 & up)

**Installation Guide**

To begin using the RareCandyStats Software, first download “Bricked.java”, “Card.java”, and “TestbBricked.java” (optional).

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Once downloaded, you can either move the files to your project folder or directly open it in your desired IDE (we will be using VSCode in this tutorial). Open your IDE and open the folder containing the files.

A screenshot of a computer program

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Once opened, it should look similar to the following image.

A screenshot of a computer program

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From here you can simply start using the classes as you would for any Java classes. But if you wanted to quickly test or see the results using the code then open the “TestBricked.java” file and run it. The output should look similar to the following image.

A screenshot of a computer

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**Class Overview (Notable Code)**

**brickedProbabilityPerRareCandy Function**

The function will run for a set amount of trials per amount of candy (1,2,3,4). Per trial, a bricked deck will be made (not guaranteed to actually be bricked). It will then create the hand (7 cards). It will then make the prize pile. Finally, after checking if the prize pile contains all the rare candy if it does, then it is considered bricked.

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