**{Dacracy for COVID-19}**

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**Version: v1.0**

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| **USE CASE NAME:** | DACRACY | | **USE CASE TYPE** |
| **USE CASE ID:** | 002 | | Business Requirements: **□** |
| **PRIORITY:** | Top | | System Analysis:□ |
| **SOURCE:** | GitHub | | System Design: **🗹** |
| **PRIMARY BUSINESS ACTOR** | Andrew Childress | | |
| **PRIMARY SYSTEM ACTOR** | Shaishav Maisuria | | |
| **OTHER PARTICIPATING ACTORS:** | * Joel Hall * Tray Keller | | |
| **OTHER INTERESTED STAKEHOLDERS:** | * Anastasia Meggison | | |
| **DESCRIPTION:** | Data analysis of COVID-19 by pulling CSV files from multiple repositories and creating an interactive and helpful website that provides new information about the pandemic. | | |
| **PRE-CONDITION:** | * The user needs to pull the program from GitHub * The user must make sure the data is up to date before running it in the program for the correct information to be implemented | | |
| **TRIGGER:** | * User opens and runs the program | | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** | |
| **OF EVENTS:** | **Step 1**: User opens and runs the program | **Step 2**: Program opens the HTML file for the website | |
|  | **Step 3:** User may now interact with the website and its graphs | **Step 4:** The system outputs a number count for each section of each graph | |
| **ALTERNATIVE COURSES:** | User fails to run the program and becomes confused | | |
|  | User has the wrong CSV files | | |
|  | User does not have the right Python packages installed | | |
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| **CONCLUSION:** | With proper use, the user should be able to view interactive charts about COVID-19 | | |
| **POST-CONDITION:** | Displays interactive charts about COVID-19 on a single website | | |
| **BUSINESS RULES** | * Displays accurate data on COVID-19 * Must be reliable data | | |
| **IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS** | * Have some dependency issues with Python packages | | |
| **ASSUMPTIONS:** | * The user reads the ReadMe on GitHub and installs the correct packages | | |
| **OPEN ISSUES:** | None | | |