**Software Implementation and Testing Document**

**For**

**Group TLH Covid-19 Tracker**

Version 1.0

**Authors**:

Evan Foglia

Adrian Balbuena

Raghav Serma

Prachi Kapur

Javier Roque

# Programming Languages (5 points)

*We used Angular (TypeScript, HTML, CSS) for the front-end design. Node for the attempted backend.*

# Platforms, APIs, Databases, and other technologies used (5 points)

*We used Angular Material and Boostrap for design purposes on the front-end. We used json-server,*

*For the attempted backend we used node express and yarn*

# Execution-based Functional Testing (10 points)

*1. Have editable table; table has editable capacity-working*

*2.Have secure login and registration- incomplete*

***3.*Have home/info page-medium**

*We have a fully built out info/home page*

*4.have working reactive form-finished*

send data to backend and retrieve data from backend-high

*Made alternate, json-server*

# Execution-based Non-Functional Testing (10 points)

*Describe how/if you performed non-functional testing for your project (i.e., tested for the* ***non-functional requirements*** *listed in your RD).*

1. *Setting up of a secure login to view the data. This will be done through Google Firebase.*

*Javier and Prachi have attempted at making a login.*

1. *validity of the data*

*The data is assumed to be valid and making downloading the data easier.*

1. *The reliability of the data being shown is crucial as the wrong data could produce bad or biased results with analysis.*

*We are putting specific datatypes for the angular form to test on.*

*Cross platform and inter version compatibility to run on any device. Having an updated npm will run on any system.*

# Non-Execution-based Testing (10 points)

*Describe how/if you performed non-execution-based testing (such as code reviews/inspections/walkthroughs).*

*We have had code reviews in the biweekly meetings where we walked each other through the current code and watched us put and push to the repos. We have had in person group meetings where we would help each other out and work on the main application and its functionailty.*