Project 2 Proposal – Team 1

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COVID-19 Analysis

The MVP will have the following features:

* Scala/Spark app CLI for user interations.
* Users can login into the system using encrypted password.
* Users will have activities limited by their level
* Users will be able to run the queries using the CLI interface.
* Users’ management through app.
* Use tableau to visualize results and analyze trends.

Queries:

Will be related to the development of the disease for different countries including the US and their states. The list bellow will update increment as the specifics queries are defined.

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Stretches:

* Make a linear regression.
* Use Tableau visualizing Spatial Data.
* Use AWS or Azzure.

General Schema

AWS/Azzure

Query Results

COVID -19

Dataset

COVID + 19

Sanitized Dataset

CLI APP

-Manage Users

-Execute Queries

Tableau

(Visualize Results)

SPARK/HIVE/HDFS

(Users and Support Tables)