

a. Team: Tyler Glotz, Elias Bezanis

b. Title: Data Analysis Tools

c. Description: Take in different types of database files (starting with .txt and .csv maybe more later JSON etc..) files. Process the data from the files with minimal user interaction and produce manipulatable data sets for “high level” analysis in a User Interface. Hence, provide “easy-to-use” data analysis tools for the user.

d. Actors: Software developers who utilize and process data, Data scientists and Businesses with data sets to process.

e. Functionality:

- Read .txt files
- output .txt files
- Read .csv files
- output .csv files
- Store data from files
- Compare data between two files
- Convert text file to csv
- convert csv to text file
- Correctly read and organize .txt and .csv files into proper rows/columns
- Provide analysis tools (functions) which can be used on a wide variety of data effectively
- Functionality to combine and compare rows and columns
- Reasonably intuitive and easy to use UI (aiming for functional with room to grow)