Grader: **Team Name:**

Team Members:

	Max Points	Mark Points off for the following scenarios
GET DATA	_____ 100	
Accessed at least 2 APIs or 1 API and 1 Website and retrieved data from them For teams of 3, you must access at least 3 APIs or 2 APIs and 1 website.	_____ 10	-100 if number of APIs + websites does not equal or exceed the number of group members (you do not get credit for this or any of the following items in this section).
Store at least 100 rows of data from each API/website	_____ 10	-10 if didn't store data for 100 items in at least one table for each API/website
At least 1 API must have 2 tables that share an integer key.	_____ 20	-20 for no API with 2 tables -20 for having no shared key for two tables -20 if the shared key is not an integer -15 if basically split one table into two
Limited the amount of data to a max of 25 items stored in the database each time a file is run to gather the data.	_____ 60	-60 if not limited to 25 at a time stored -50 if duplicate string data is stored -40 if change code by hand on each restart -20 for each drop table in code
PROCESS THE DATA	50	
Select items from the tables and calculate something from the data (average, counts, etc)	_____ 20	-20 if data not from a SELECT and/ or if not done in a separate file from the data gathering file
At least one database join used when selecting the data	_____ 20	-20 if JOIN not used at least once in the calculations or visualizations
Write a well-formatted, self explanatory file from the calculations (JSON, csv or text file)	_____ 10	-10 if no data written to a file in Python -5 if data is hard to understand -10 if hardcoded values are used to write the data file

VISUALIZE THE DATA	50	
Create visualizations (2 for 2 persons in a team, 3 for 3 persons in a team) from the data and/or calculations	_____ 50	-25 for each missing visualization -10 if hard to understand (ex. No labels) -10 if basically the same as the example in lecture/discussion
REPORT	50	
Goals	_____ 10	-5 if missing original goals -5 if missing achieved goals
Problems that you faced	_____ 5	-5 if missing
Include the calculation file	_____ 5	-5 if not included physically in the report
Include the visualizations created	_____ 5	-5 if no visualizations physically included
Instructions for running the code	_____ 5	-5 if unclear or don't work
Function diagram that includes function name, input, and output for each function	_____ 10	-5 for each missing function (up to -10)
Documentation of resources used	_____ 10	-10 for unclear resource documentation (not following the format)
Extra Credit	60	
Extra API - 1	_____ 30	-15 if got data from API only -10 if didn't use DB to calculate something -5 if didn't write the output from calculation
Extra Viz - 1	_____ 15	-10 if unreadable -5 if exactly the same as the examples in lecture/discussion
Extra Viz - 2	_____ 15	-10 if unreadable -5 if exactly the same as the examples in lecture/discussion

DEDUCTIONS Did not substantially contribute to the coding of the project	_____ -30%	If a group member made project contributions other than coding, but did not contribute meaningfully to the codebase, the member's individual project grade is reduced by 30% from the group's project grade.