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 (with Beautiful Soup) and retrieved data from them For teams of 3, you must access at least 3 APIs or 2 APIs and 1 website (with Beautiful Soup).	_____ 10	-5 for each API/website that is missing
Store at least 100 items (rows) in at least one table per API/website	_____ 10	-5 if less than 100 rows in at least one table per API/website -10 if no table has 100 rows
Have at least 1 table per API/website. At least 1 API/website must have 2 tables that share a key.	_____ 20	-20 for no API/website with 2 tables -10 for having no shared key for the two tables -15 if basically split one table into two
Limited the amount of data to 25 collected/stored at a time up to the first 100	_____ 60	-60 if not limited to 25 at a time stored -40 if duplicate data is stored -20 if change code by hand on each restart -20 for each drop table in code
PROCESS THE DATA	**50**	
Selected items from all the tables and calculated something from the data (average, counts, etc)	_____ 20	-20 if used cache file or dict rather than select -10 if incorrect calculation
Database join used at least once in selecting the items	_____ 20	-20 if JOIN not used at least once
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	
Visualization (2 for 2 persons in a team, 3 for 3 persons in a team)	_____ 50	-25 for each missing visualization -10 if hard to understand (ex. No labels) -10 if exactly the same as the example in lecture/discussion
REPORT	**100**	
Goals	_____ 20	-10 if missing original goals -10 if missing achieved goals
Problems that you faced	_____ 10	-10 if missing
Include the calculation file	_____ 10	-10 if not included in the final report
Include the visualizations created	_____ 10	-10 if no visualizations included -5 if some but not all visualizations included
Instructions for running the code	_____ 10	-5 if unclear -5 if instructions didn't work
Code documentation (explain what each function does including its input and output)	_____ 20	-5 for each missing function explanation (up to -20)
Documentation of resources used	_____ 20	-10 for unclear resource documentation (not following the format) -20 for no documentation
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 **DEDUCTIONS**	_____ 15	-10 if unreadable -5 if exactly the same as the examples in l

| Did not substantially contribute to the coding of the project or worked alone. | _____ -30% | If a group member did not contribute meaningfully to the codebase, the member's individual project grade is reduced by 30% from the group's project grade. Also, if you didn't work in a group you will also lose 30% of the final points. |