

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 | -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 a 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 two tables -10 if basically split one table into two |
| Limited the amount of data to 20 collected/stored at a time | _____ 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 |
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| 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 | _____ 15 | -10 if unreadable -5 if exactly the same as the examples in I |
| DEDUCTIONS | | |

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| <p>Did not substantially contribute to the coding of the project</p> | <p>_____ -30%</p> | <p>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.</p> |
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