

# Project 3

New Attempt

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**Due** Jan 30 by 11:59pm      **Points** 100      **Submitting** a text entry box or a website url

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## Requirements

### Data and Delivery (20 points)

- Data components used in the project are clearly documented. (5 points)
- The dataset contains at least 100 unique records. (5 points)
- A database is used to house the data (SQL, MongoDB, SQLite, etc.). (5 points)
- The project is powered by a Python Flask API and includes HTML/CSS, JavaScript, and the chosen database. (5 points)

### Back End (20 points)

- The page created to showcase data visualizations runs without error. (5 points)
- A JavaScript library not shown in class is used in the project. (5 points)
- The project conforms to one of the following designs: (10 points)
  - A Leaflet or Plotly chart built from data gathered through web scraping.
  - A dashboard page with multiple charts that all reference the same data.

### Visualizations (20 points)

- A minimum of three unique views present the data. (5 points)
- Multiple user-driven interactions (such as dropdowns, filters, or a zoom feature) are included on the final page. (5 points)
- The final page displays visualizations in a clear, digestible manner. (5 points)
- The data story is easy to interpret for users of all levels. (5 points)

### Group Presentation (20 points)

- All group members speak during the presentation. (5 points)
- Content, transitions, and conclusions flow smoothly within any time restrictions. (5 points)
- The content is relevant to the project. (5 points)
- The presentation maintains audience interest. (5 points)

## Grading

This assignment will be evaluated against the requirements and assigned a grade according to the following table:

Grade	Points
A (+/-)	90+
B (+/-)	80–89
C (+/-)	70–79
D (+/-)	60–69
F (+/-)	< 60

## Submission

To submit your project, click Submit, and then provide the URL of your GitHub repository for grading.

### NOTE

Projects are requirements for graduation. While you are allowed to miss up to two Challenge assignments and still earn your certificate, projects cannot be missed.