**Instructions:**

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| Evaluate the homework against the outlined criteria in the below rubric, assigning a rating to each criterion. Add points earned across all criteria and convert the total points to a letter grade, assigning a “+” or “-” letter grade designation at your discretion. | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | A (+/-) | 55+ | C (+/-) | 25-39 | F (+/-) | <10 | | B (+/-) | 40-54 | D (+/-) | 10-24 |  |  | |
| **Notes:**  The assignment utilizes **Flask,** **BeautifulSoup,** and **MongoDB**  to complete the challenge. The source code should also be deployed to Github or Gitlab. |  |

**Rubric for Mission To Mars:**

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| --- | --- | --- | --- | --- | --- |
|  | **Mastery**  **20 points** | **Approaching Mastery**  **15 points** | **Progressing**  **10 points** | **Emerging**  **5-0 points** | **Incomplete** |
| **Web Scraping in Jupyter Notebook** | The Jupyter notebook does all of the following:  ✓ Scrapes the most recent NASA news  ✓ Scrapes the URL for the featured image  ✓ Scrapes all 4 hemisphere image urls  ✓ Scrapes the Mars facts HTML table | The Jupyter notebook does 3 of the following:  ✓ Scrapes the most recent NASA news  ✓ Scrapes the URL for the featured image  ✓ Scrapes all 4 hemisphere image urls  ✓ Scrapes the Mars facts HTML table | The Jupyter notebook does 1-2 of the following:  ✓ Scrapes the most recent NASA news  ✓ Scrapes the URL for the featured image  ✓ Scrapes all 4 hemisphere image urls  ✓ Scrapes the Mars facts HTML table | The Jupyter notebook does 0-1 of the following:  ✓ Scrapes the most recent NASA news  ✓ Scrapes the URL for the featured image  ✓ Scrapes all 4 hemisphere image urls  ✓ Scrapes the Mars facts HTML table | No submission was received  -OR-  Submission was empty or blank  -OR-  Submission contains evidence of academic dishonesty |
| **Flask App** | Flask app does all of the following:    ✓ Has Routes for loading the webpage and scraping the content  ✓ Connects, fetches, and inserts data to and from a mongoDB without error  ✓ Correctly returns a rendered template and passes it a variable of the scraped data  ✓ Calls scrape method from an external python module | Flask app does 3 of the following:    ✓ Has Routes for loading the webpage and scraping the content  ✓ Connects, fetches, and inserts data to and from a mongoDB without error  ✓ Correctly returns a rendered template and passes it a variable of the scraped data  ✓ Calls scrape method from an external python module | Flask app does 2 of the following:    ✓ Has Routes for loading the webpage and scraping the content  ✓ Connects, fetches, and inserts data to and from a mongoDB without error  ✓ Correctly returns a rendered template and passes it a variable of the scraped data  ✓ Calls scrape method from an external python module | Flask app does 0-1 of the following:    ✓ Has Routes for loading the webpage and scraping the content  ✓ Connects, fetches, and inserts data to and from a mongoDB without error  ✓ Correctly returns a rendered template and passes it a variable of the scraped data  ✓ Calls scrape method from an external python module |
| **Web Design/Jinja** | Web page does all of the following:  ✓ Landing page loads even before scraping  ✓ index.html includes a button to the scrape route  ✓ Uses jinja to load data from the variable passed by flask  ✓ Uses bootstrap to style the webpage  ✓ Facts table renders correctly | Web page does 4 of the following:  ✓ Landing page loads even before scraping  ✓ index.html includes a button to the scrape route  ✓ Uses jinja to load data from the variable passed by flask  ✓ Uses bootstrap to style the webpage  ✓ Facts table renders correctly | Web page does 2-3 of the following:  ✓ Landing page loads even before scraping  ✓ index.html includes a button to the scrape route  ✓ Uses jinja to load data from the variable passed by flask  ✓ Uses bootstrap to style the webpage  ✓ Facts table renders correctly | Web page does 0-1 of the following:  ✓ Landing page loads even before scraping  ✓ index.html includes a button to the scrape route  ✓ Uses jinja to load data from the variable passed by flask  ✓ Uses bootstrap to style the webpage  ✓ Facts table renders correctly |