



## Data Boot Camp Grading Rubric

# Unit 12 - Web Scraping Homework - Mission to Mars

### Instructions:

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:

	<b>Mastery 20 points</b>	<b>Approaching Mastery 15 points</b>	<b>Progressing 10 points</b>	<b>Emerging 5-0 points</b>	<b>Incomplete</b>
<b>Web Scraping in Jupyter Notebook</b>	The Jupyter notebook does all of the following: <ul style="list-style-type: none"><li>✓ Scrapes the most recent NASA news</li><li>✓ Scrapes the URL for the featured image</li><li>✓ Scrapes all 4 hemisphere image urls</li><li>✓ Scrapes the Mars facts HTML table</li></ul>	The Jupyter notebook does 3 of the following: <ul style="list-style-type: none"><li>✓ Scrapes the most recent NASA news</li><li>✓ Scrapes the URL for the featured image</li><li>✓ Scrapes all 4 hemisphere image urls</li><li>✓ Scrapes the Mars facts HTML table</li></ul>	The Jupyter notebook does 1-2 of the following: <ul style="list-style-type: none"><li>✓ Scrapes the most recent NASA news</li><li>✓ Scrapes the URL for the featured image</li><li>✓ Scrapes all 4 hemisphere image urls</li><li>✓ Scrapes the Mars facts HTML table</li></ul>	The Jupyter notebook does 0-1 of the following: <ul style="list-style-type: none"><li>✓ Scrapes the most recent NASA news</li><li>✓ Scrapes the URL for the featured image</li><li>✓ Scrapes all 4 hemisphere image urls</li><li>✓ Scrapes the Mars facts HTML table</li></ul>	No submission was received  -OR-  Submission was empty or blank  -OR-  Submission contains evidence of academic dishonesty
<b>Flask App</b>	Flask app does all of the following: <ul style="list-style-type: none"><li>✓ Has Routes for loading the webpage and scraping the content</li><li>✓ Connects, fetches, and inserts</li></ul>	Flask app does 3 of the following: <ul style="list-style-type: none"><li>✓ Has Routes for loading the webpage and scraping the content</li><li>✓ Connects, fetches, and inserts</li></ul>	Flask app does 2 of the following: <ul style="list-style-type: none"><li>✓ Has Routes for loading the webpage and scraping the content</li><li>✓ Connects, fetches, and inserts</li></ul>	Flask app does 0-1 of the following: <ul style="list-style-type: none"><li>✓ Has Routes for loading the webpage and scraping the content</li><li>✓ Connects, fetches, and inserts</li></ul>	



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	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	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	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	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	
<b>Web Design/Jinja</b>	Web page does all of the following:  ✓ Landing page loads even before scraping ✓ <code>index.html</code> 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 ✓ <code>index.html</code> 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 ✓ <code>index.html</code> 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 ✓ <code>index.html</code> 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	