

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:

	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	Web page does all of the	Web page does 4 of the following:	Web page does 2-3 of the following:	Web page does 0-1 of the following:	

Design/Jinja	<p>following:</p> <ul style="list-style-type: none">✓ 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	<ul style="list-style-type: none">✓ 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	<ul style="list-style-type: none">✓ 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	<ul style="list-style-type: none">✓ 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	
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