**Interview Take Home, Daash**
**Role:** Software Engineer (Data Acquisition)

It's the autumn season, and we're looking to buy some Fall decor for the office. We are looking at buying Fall Wreaths from Lowes, as you can see in this link.

The assignment has two parts:

1. Scrape the links for all the wreaths;
2. Scrape additional product details for each wreath; for each wreath, capture:
    a. The product's model number
    b. The product's brand
    c. The product price

We'd like you to then analyze the data, and tell us the below:

- How many wreaths are there by brand?
- What is the price range for wreaths?
- Produce a histogram of product prices.

What we're looking for:

- **Accuracy:** The crawler should be accurate.
- **Efficiency:** The crawler should accomplish the task as quickly as possible.
- **Adaptability:** The crawler should be reliable to any potential site changes.
- **Extensibility:** The crawler should be able to, in theory, extend to other categories on Lowes' website.
- **Code structure:** We'd like to see clear attention to detail and coverage of any edge cases.
- **Documentation:** Comment your code!

Submission:

- Please submit all your code as a Github repository that we may review in advance at least 1 hour before your scheduled interview, preferably earlier if available. For data visualizations or analysis, you can use a Jupyter notebook file and upload that. We'd like to be able to run your code if possible.
- Feel free to use Powerpoint or Google slides if you find it to be helpful, but this is not a requirement.
- We kindly ask that you present back to us (Liam and Justin) your findings. Please book a 1 hour slot using this link.