

# SIMON

## **SIMON Markets LLC.**

*An award-winning fintech company, SIMON is committed to transforming the digital experience for financial advisors, enabling them to better serve their clients. SIMON's intelligent and innovative platform delivers an end-to-end digital suite of tools, empowering advisors with on-demand education, an intuitive marketplace, real-time analytics, and post-trade servicing for complete lifecycle management.*

Reconcile SEC product terms with our internal records.

- (a) scraping the SEC website
- (b) storing this data in a database (even sqlite to start is fine)
- (c) querying our internal APIs
- (d) identifying any inconsistencies in the data
- (e) alerting internal teams via email regarding any inconsistencies. No unit testing/deployment required. I estimate this would take about 1 week.

Reconcile data sent by clients (within .pdfs) against data stored in Excel files.

- (a) parsing pdf files
- (b) reading Excel files
- (c) scanning for inconsistencies
- (d) alerting internal teams via email regarding any inconsistencies.

Automate the extraction of data from various client Excel files (which arrive in different formats) and consolidate them into a single file.

- (a) parsing Excel files
- (b) data manipulation in python pandas
- (c) any error checking to ensure no data was omitted/duplicated