Höffner Coding Challenge

Solution Details

Language Used: Python.

Time taken:

Solution (Python) = 65-70 (mins)

Docker-Compose = 30-40 min (Ran into some issues)

Approach:

- First, I logged into Postgres admin and analyzed data and missing columns
- Checked how many unique rows.
- How many missing columns (total count vs repeating)?
- What column can be used to uniquely identify books (ISBN and Amazon URL)

Solution:

- After looking at data I realized that most of null values column can be fixed using the ISBN
- Querying the same table for other rows for that ISBN can give you column values
- Those values that are not available in other columns. Can be then filled using **GoodReads API**
- To avoid more calls to API for performance enhancements ISBN details are also updated in Master table (bestsellers) so that data can be filled without calling the **GoodReads API**

Working Demo:

YouTube Video showing the Demo: https://youtu.be/aUE5dDTzqkc