**Envase Technical Interview Prompt:**

1 Intermodal Company requires internal analytics about our SAAS to make better strategic choices. We offer basic applications with add-ons. Each time we build the application for a client, it can have a different cost based on what the customer requests. So, we want to run internal analytics on cost vs. customer use to see what we should and should not offer anymore.

Our data team has been given two datasets: one that contains general account information on the users along with how much their application costs us to make, the other dataset is a simple correlation of user id, count of application/software use for a given month, and the software name.

You've been tasked with joining the datasets and producing visuals on the data to provide business insights on the software.

**Please complete the following in your process:**

1. **Complete a basic ETL process using the programming language of your choice. Please handle any null data as you see necessary.**
   1. In your code, please provide comments.
2. **Once your ETL process is complete, please upload the resulting CSV into a visualization-based tool in order to produce a minimum of 2 visuals (using either Excel or Tableau; preferably Tableau). Please do not complete more than 3 visuals.**
   1. There are no restrictions on what visuals you can make so long as they provide insights you find useful. Be as creative as you'd like.
   2. You could consider creating visuals about the following:
      1. Total cost month over month
      2. Most active users and associated cost

**Remember:** We are not looking for perfection and the data itself is imperfect! It is impossible that our team gets first drafts of visuals and data projects perfect on the first pass. We’re simply using this prompt as an opportunity to get to know how you think through a data project.

Please do not spend more than 8 hours on this project.

For your submission, please provide the following in a zip folder to [ahopkins@envasetechnologies.com](mailto:ahopkins@envasetechnologies.com):

1. Code script(s)
2. Visualizations: please offer the visuals in .twb, .twbx, or .xlsx file format
3. README: this file should contain a brief description of the code you developed, descriptions of the visuals, and any information you find the end user needs to know.

Looking forward to reviewing your submission!!