# Data engineer take home challenge

Please take a look at this data. This data was generated when customers shopped on a website or in a mobile app. Each JSON record is considered an event — the event name represents the event type (e.g. 'viewPDP' means Product Detail Page was opened). Events share some common patterns.

Please design a SQL schema(table or tables) to hold this data in a database. Since the raw data is JSON format and we want to store these in SQL, some extraction and transformation might be needed.

- You may use a SQL Database you are familiar with e.g. MySql, PostGres(you don't need to load the final data into the db, just need to design the table/s schema)
- Prefer Python or Java.
- Please focus on the parts you think are more important.
- Some parts you might consider splitting the task into:

- Review the data and design a schema(tables/table)
- Decide what files to store and how to store/extract
- Write the extract/transform script


When you finish:

- Please share the code and the SQL schema with us
- Provide instructions on how to run the code. (Including what language and the version, and dependent libs if used, plus what sql db you chose)

If you are familiar with docker, a runnable docker image is welcomed. (Definitely feel free to skip this part since it might require too much of your time)

Thanks for your time!!!