

BigQuery/Dataform Developer for Ecommerce

- In Dataform, create a process to build a session level table:
 - Use GA4 raw table `source_tables_USER_INDEX.source_ga4_events` as source of data, see below for how to find your `USER_INDEX` *
 - Resulting dataform step must be named `ga4_stg01_sessions.sqlx`
 - Resulting table must have following fields:
 - `session_id`, `user_pseudo_id`, `device`, `date`, `session_start_timestamp`, `source`(from `event_params`), `medium`(from `event_params`), `campaign`(from `event_params`), `landing_page`, `exit_page`, `session_duration_in_sec`, `is_session_engaged`
 - `is_session_engaged` should return TRUE when at least one of the below conditions are met:
 - session had a purchase
 - session had 2 or more `view_item` events
 - session lasted 10 seconds or more
 - Resulting table must be session level, i.e. exactly one row for each `session_id`
- In Dataform, create a process to build a page level table:
 - Use GA4 raw table `source_tables_USER_INDEX.source_ga4_events` as source of data *
 - Resulting dataform step must be named `ga4_stg02_pages.sqlx`
 - Resulting table must have following fields:
 - `date`, `page_url`, `total_time_on_page`, `avg_time_on_page`, `entrances`, `exits`
- In Dataform, create a process to add shopify product collection name to `source_shopify_orderlines_stg01` table
 - Use the following tables for collections data/mapping:
 - `source_tables_USER_INDEX.source_shopify_orderlines_stg01` *
 - `source_tables_USER_INDEX.source_shopify_collects` *
 - `source_tables_USER_INDEX.source_shopify_smart_collections` *
 - `source_tables_USER_INDEX.source_shopify_custom_collections` *
 - If one product is part of multiple collections, add all collections in alphabetical order with comma as delimiter
 - Resulting dataform step must be named `shopify_orderlines_stg02_with_collection.sqlx`
 - Resulting table `shopify_orderlines_stg02_with_collection` must at order line level, i.e. exactly one row for each order line
- Provide a short overview on how you verified the resulting tables from tasks 1-3 produce correct data.

* `USER_INDEX` is unique per user and can be found in your Dataform,

See the below screenshot, the dataset for the below user should be `source_tables_30403`

