Marcos, Custom Tests and Packages

MACROS

The contents of `macros/no_nulls_in_columns.sql`:

```
{% macro no_nulls_in_columns(model) %}
    SELECT * FROM {{ model }} WHERE
    {% for col in adapter.get_columns_in_relation(model) -%}
        {{ col.column }} IS NULL OR
    {% endfor %}
    FALSE
{% endmacro %}
```

The contents of `tests/no_nulls_in_dim_listings.sql`

```
{{ no_nulls_in_columns(ref('dim_listings_cleansed')) }}
```

CUSTOM GENERIC TESTS

The contents of `macros/positive_value.sql`

```
{% test positive_value(model, column_name) %}
SELECT
    *
FROM
    {{ model }}
WHERE
    {{ column_name}} < 1
{% endtest %}
```

PACKAGES

The contents of `packages.yml`:

```
packages:
  - package: dbt-labs/dbt_utils
    version: 1.3.0
```

The contents of `models/fct_reviews.sql`:

```
{{
  config(
    materialized = 'incremental',
    on_schema_change='fail'
    )
}}
WITH src_reviews AS (
  SELECT * FROM {{ ref('src_reviews') }}
)
SELECT
  {{ dbt_utils.generate_surrogate_key(['listing_id', 'review_date', 'reviewer_name', 'review_text']) }
```

```
    AS review_id,
  *
  FROM src_reviews
WHERE review_text is not null
{% if is_incremental() %}
  AND review_date > (select max(review_date) from {{ this }})
{% endif %}
```