

Frustrations Inc. Hackathon 2025

Updated Hackathon Requirements and Details

The Frustrations Inc. Hackathon will challenge teams to design and implement an application that loads, validates, and processes order data files into a database, applying multiple business rules and sending valid orders to an API endpoint.

Hackathon Date: October 29th, 2025

Duration: 8:00 a.m. – 2:00/3:00 p.m. (4–6 hours)

Teams: 2–3 developers

Provided Assets

Teams will be provided with the following assets to complete the challenge: orders_1000.csv orders_10k.csv orders_1M.csv customers_insert_literal.sql – SQL script used to create and populate the Customers table.

Application Requirements

Each team's application must: Load the provided CSV order files into a database table. Apply the following business rules to each record:

1. Currency Rule: Must be USD or EUR
2. Order Amount Rule: Must be greater than 0
3. Order Date Rule: Must be a valid date and not in the future
4. Customer Rule: Customer must exist in the Customers table

Only send records that pass all validation rules to the API endpoint. If an order is sent that fails any rule, the API will return an error. Track which rule(s) each record fails, and produce a final report showing: Total records processed Number of valid records sent to the API Number of records failing each rule type (Invalid Currency, Invalid Amount, Invalid Date, Customer Not Found)

Scoring Criteria

Category	Description	Weight
Accuracy	Proper application of all validation rules and correct handling of API responses.	30%
Performance	Efficient loading, validation, and API communication (tracked runtime).	25%
Completeness	Tracking and reporting rule failures and totals correctly.	20%
Code Quality	Code clarity, structure, and maintainability.	15%

Category	Description	Weight
Presentation	Clear walkthrough of solution and results.	10%

Each team will demonstrate their solution live. PMs and BAs are invited to attend the presentations. The main Teams meeting will remain open throughout the day, and teams may use separate channels for collaboration.

Good luck, have fun, and may the best team win!