

As a promotion a bus company, wants to offer discounts to customers based on the journeys they take. Implement a simple program to store journey details, customer information and to calculate fares.

The behaviour should be as follows:

Each time a customer registers with the system, the API will receive a 'new customer' request, which contains the following fields:

- Customer ID
- Customer Type (VIP, Normal, Persona Non Grata, etc...)
- Customer Name
- Favourite route

To add a journey in the system, the following fields are used:

- Customer ID
- Journey Start date-time
- Route name

The price of a journey for any customer is £2. The price for a VIP customer is £1.

Journeys taken on a customer's favourite route get a 30% discount.

Persona Non Grata customers receive no discount.

An additional discount of 10% applies if the customer has taken the same journey route more than twice in the past 48 hours.

Write an application that will store new customers, journeys and price journeys based

You are not required to implement a GUI (or CLI) or persistent storage.

Please submit your source code excluding any Jars you may use.