

## **DMDD REPORT 5**

### **GROUP 7**

#### **Introduction:**

Bluebikes ride sharing is one of the highlights of the bicycle transportation in Boston. With 393 Bike stations and 3800 bikes, it has been an essential mode of commute. It is going very much hand-in-hand with Boston's reputation of being one of the most walkable cities. And, since the onset of Covid pandemic, Bluebikes has become an essential mode of commute for students, working class people as well as travelers. Bluebikes are easily available and affordable promoting self-distancing during pandemic.

#### **Problem Statement:**

The model that we propose ensures a smooth transaction and provides the rider with an efficient and smooth ride around the city. Through our model, we wish to solve problems related to Bluebike renting system has challenges due to payment issues and slow loading of the application. Common issues faced by the users are – not being able to rent or return bikes, etc. Fare calculation for the bikes according to time duration covered, membership mode of user and accepting discount coupons. Ensure user data privacy and storage of past user reservations, bike inventory and creating data accessibility by roles and requirements.

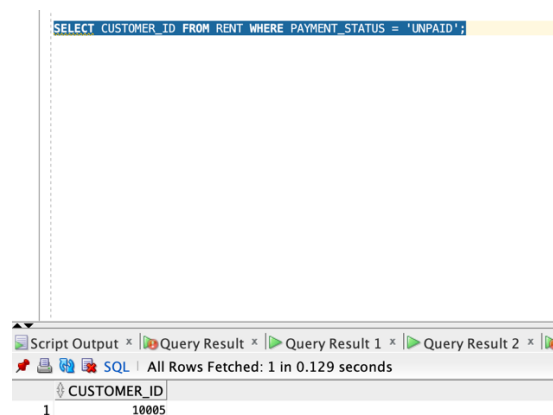
**Objective :** To find the Customer who has not cleared his dues

**Description :** When a customer completes a ride, his payment gets initiated which is directly linked to his wallet. When his/her wallet has insufficient balance, the payment\_status of the customer changes to Unpaid. We have to find all the customers who have not cleared their dues so that we can prevent them from booking any other ride, unless all their dues are cleared.

#### **QUERY :**

```
SELECT CUSTOMER_ID FROM RENT WHERE PAYMENT_STATUS = 'UNPAID';
```

#### **RESULTS :**



The screenshot shows a SQL query editor with the query: `SELECT CUSTOMER_ID FROM RENT WHERE PAYMENT_STATUS = 'UNPAID';`. Below the query, the results are displayed in a table with one row and one column labeled `CUSTOMER_ID`. The value in the row is `10005`. The status bar at the bottom indicates "All Rows Fetched: 1 in 0.129 seconds".

CUSTOMER_ID
10005

**CONCLUSION :** We have the customer Id of the customer whose dues have not been cleared.