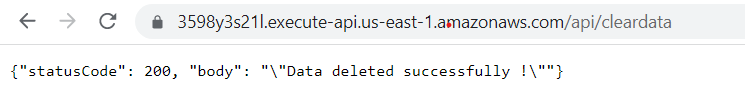
1. First clear all data using below url

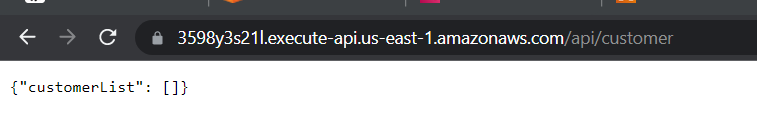
<https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/cleardata>

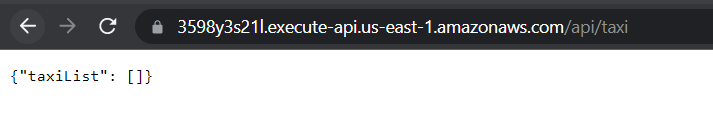


1. Hit following GET call to verify that all data is cleared

<https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/taxi>

<https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/customer>





1. Run main.py to simulate 5 Customer and 50 Taxi registration

Local testing logs are attached with name “**taxi\_customer\_registration\_local\_testing\_logs.txt**”

**Based on our mentor’s advice we did not deploy client code on AWS EC2 instance and have chosen to run locally**

1. Hit following GET call again to verify that data is inserted

<https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/taxi>

<https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/customer>

1. **Single Taxi registration**. Use postman app to hit following

URI : <https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/taxi>

Request body : [{

"name": "SingleTaxi",

"location": {

"type": "Point",

"coordinates": [12.9099 , 77.7664]

},

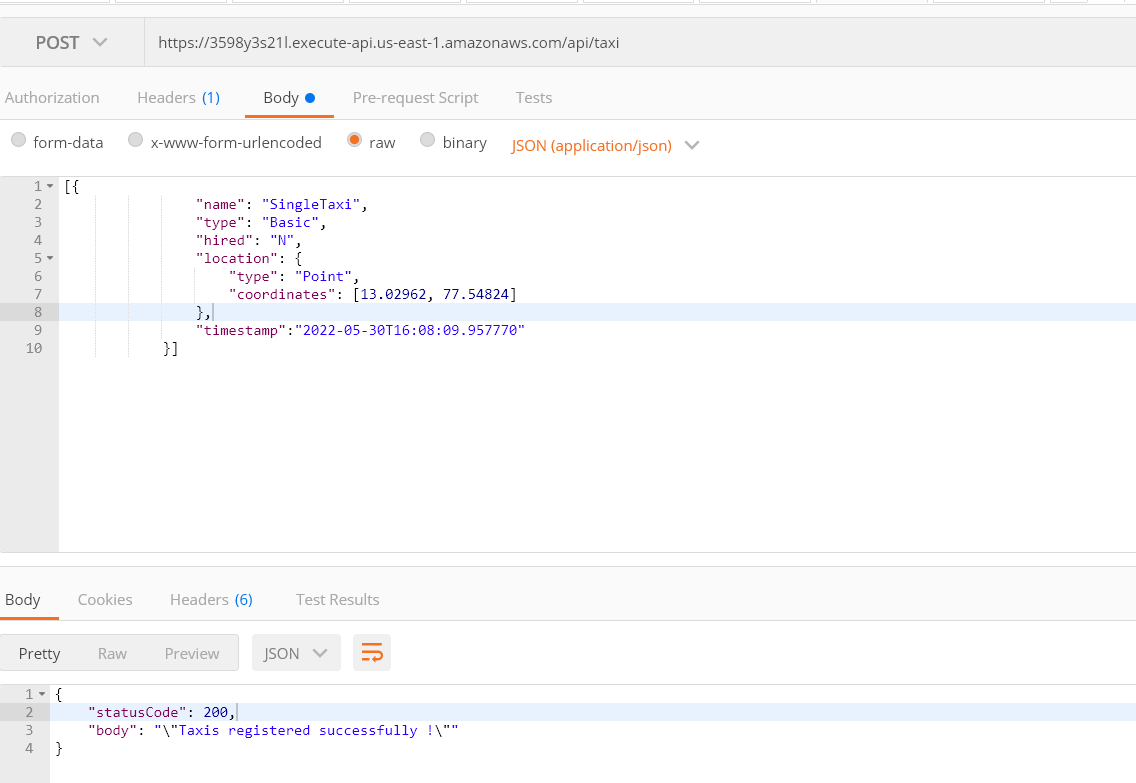
"timestamp":"2022-05-30T16:08:09.957770",

"email":"smita.garg2022@gmail.com",

"hired":"N",

"type":"Luxury"

}]



1. **Single Customer registration**. Use postman app to hit following

URI : https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/customer

**Request body :**  [{

"name": "SingleCustomer",

"location": {

"type": "Point",

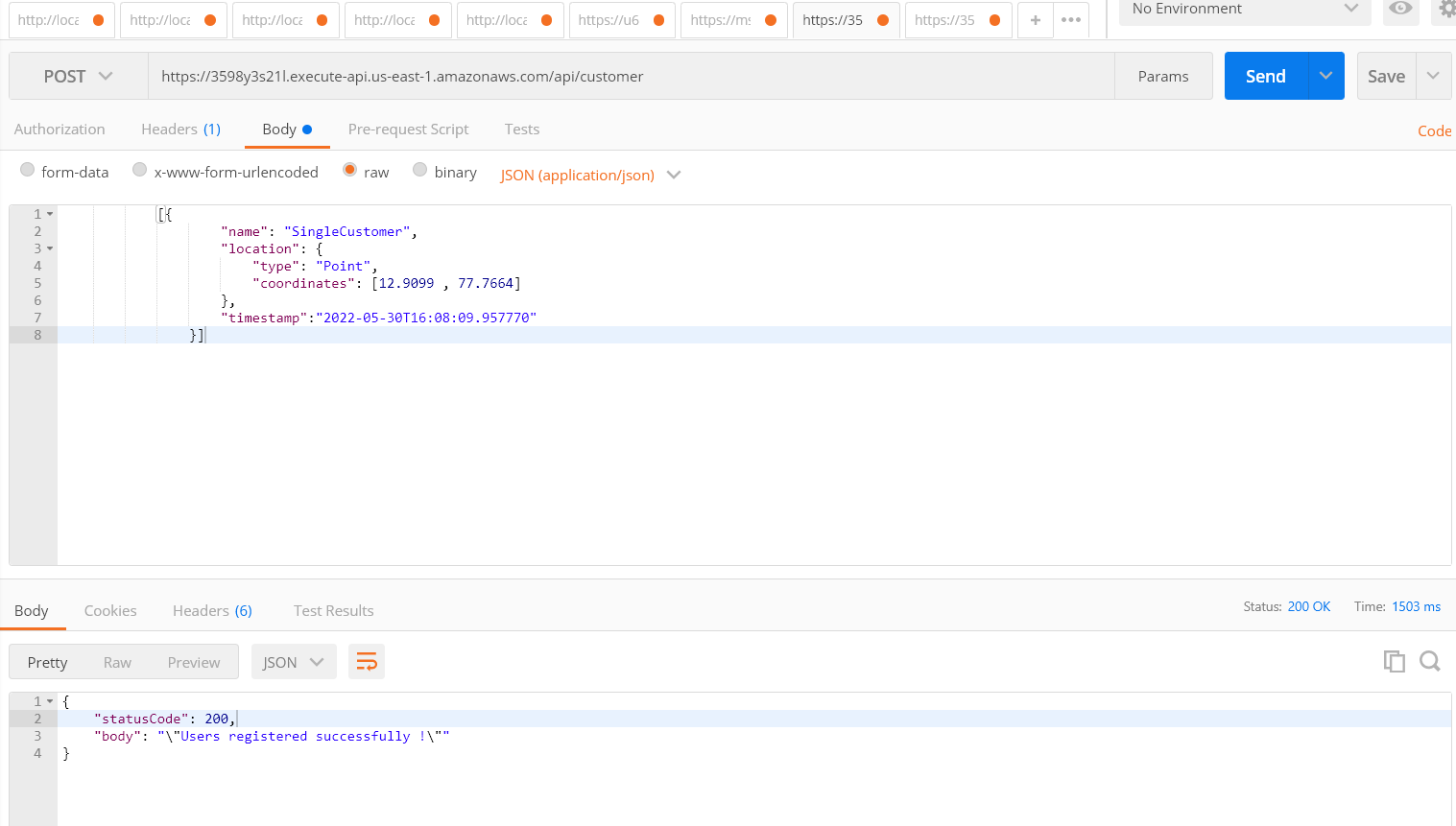
"coordinates": [12.9099 , 77.7664]

},

"timestamp":"2022-05-30T16:08:09.957770",

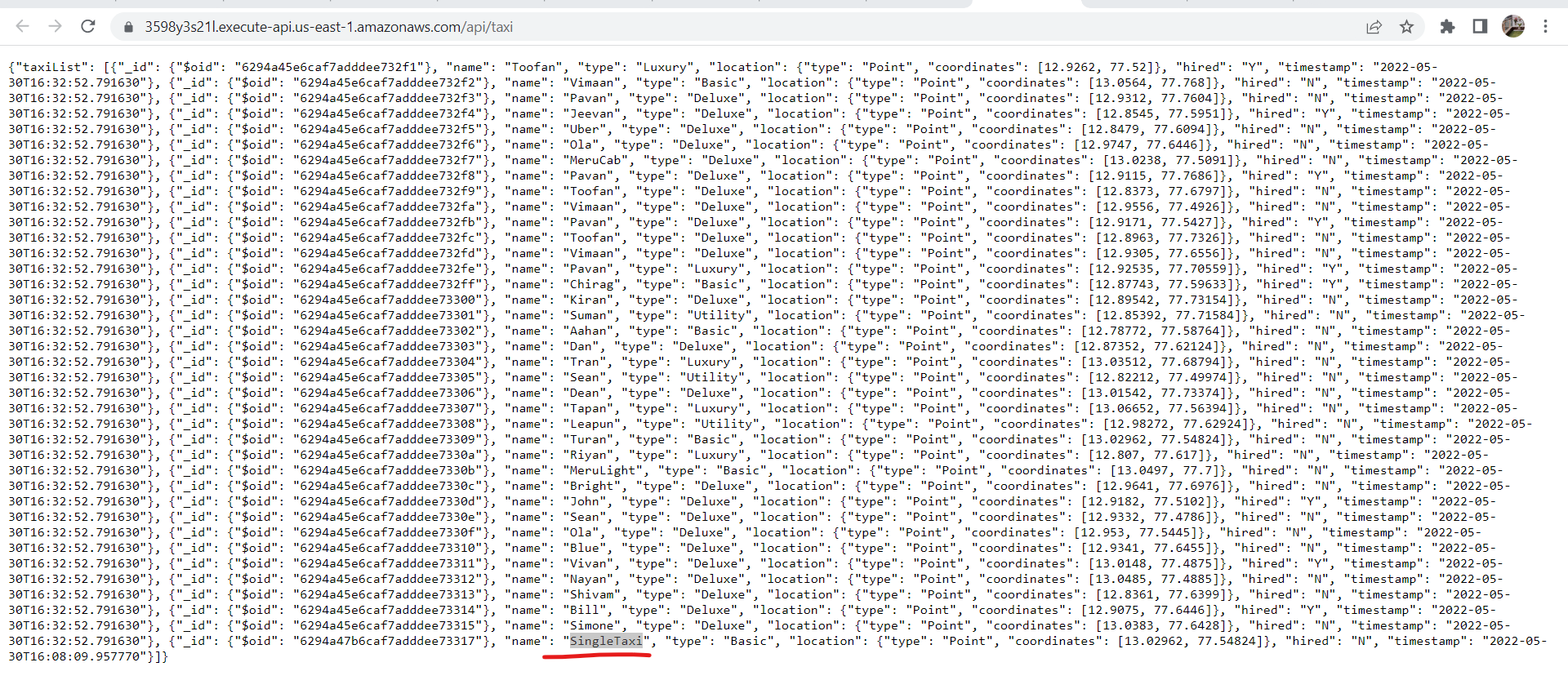
"email":"smita.garg2022@gmail.com"

}]

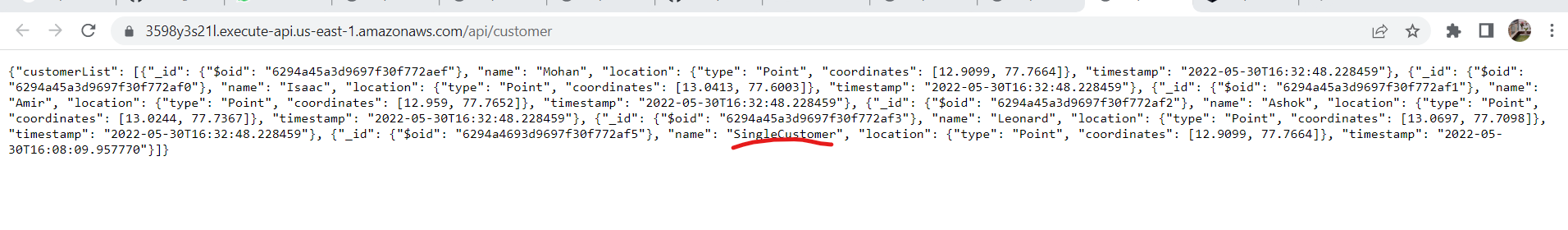


Hit following GET call again to verify that data is inserted

<https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/taxi>



<https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/customer>



1. Run **main2.py** to start Lat/long update simulation per minute

This also shows how initial boundary creation happens.

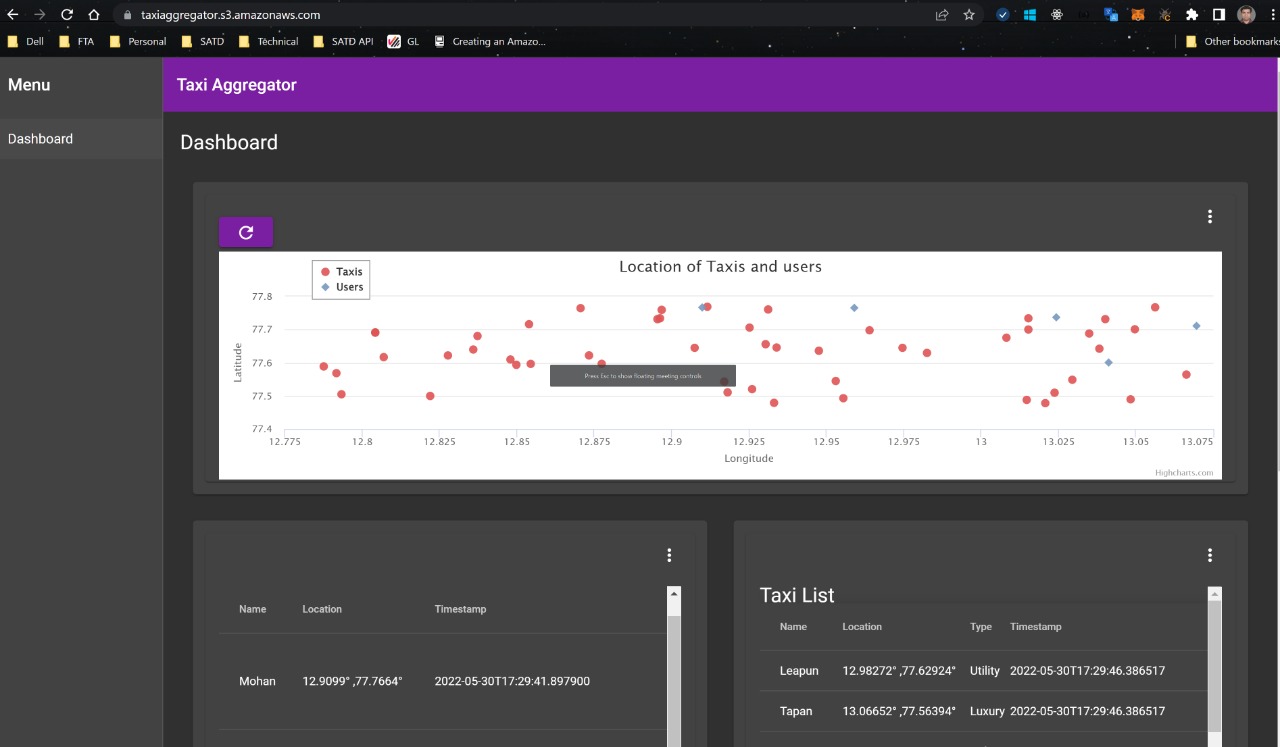
Local testing logs are attached with name “**latlong\_updater\_local\_testing\_logs**.**txt**”

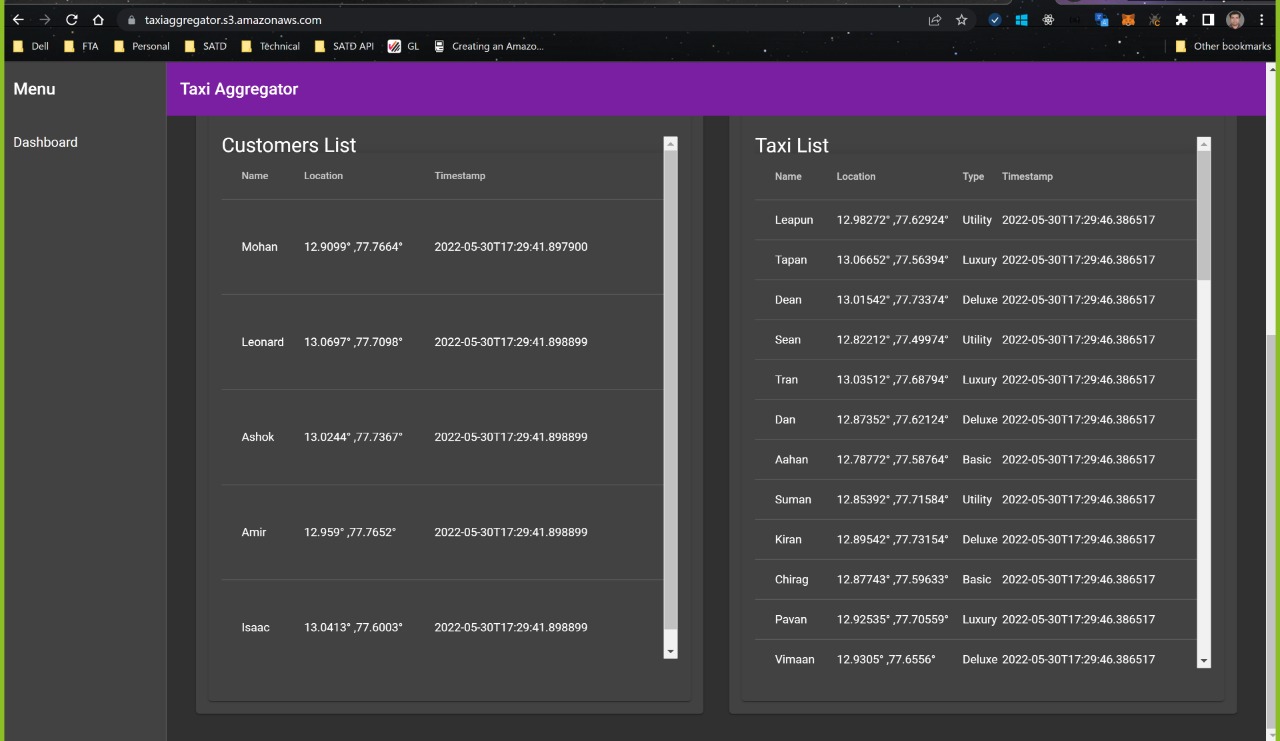
Keep hitting GET apis every 60 secs to notice change in lat/long and timestamp changes

1. Please hit following to visualise taxi and customer locations on UI

URL: <https://taxiaggregator.s3.amazonaws.com/index.html>

* Chart displays the location of customers vs taxis
* Chart refreshes every 30 secs
* User can manually refresh by clicking on refresh button  
  Below the chart we display the Taxi list and customer list (loads only once, no refresh)





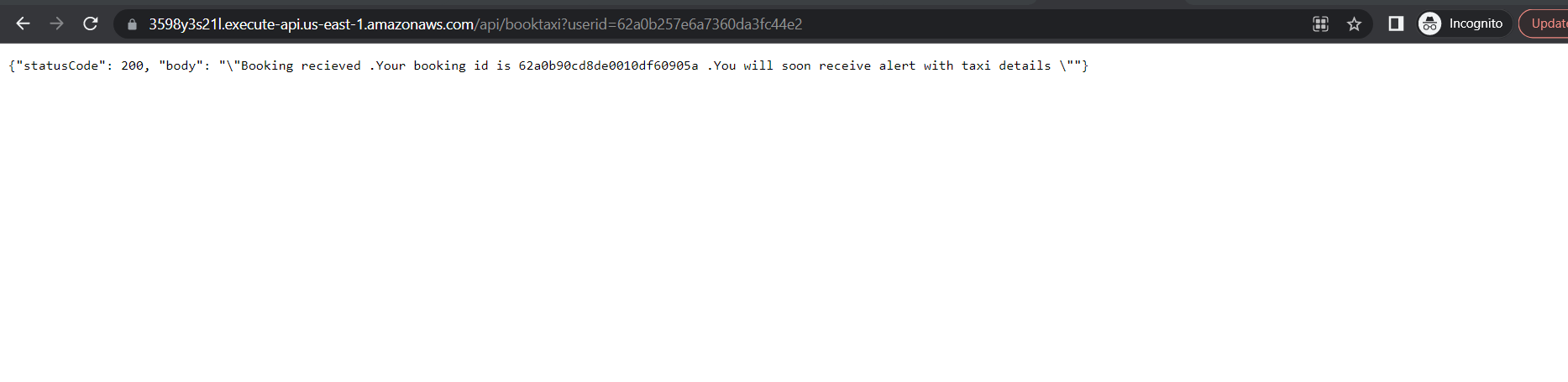
1. **Book taxi**: Hit following urls to book a taxi

Take any user\_id from here

<https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/customer>

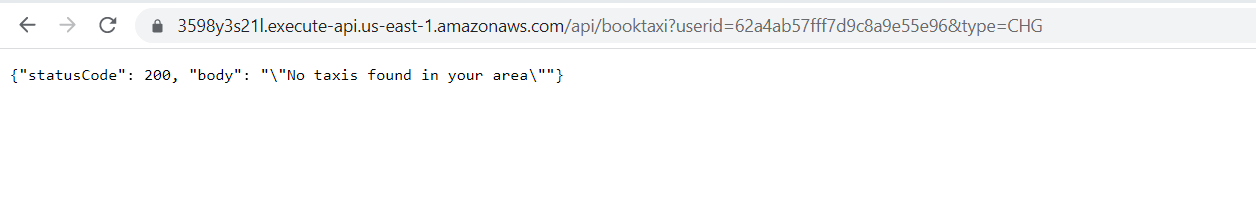
and hit following

<https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/booktaxi?userid=62a0b257e6a7360da3fc44e2>&type=ALL



**If no taxis found**

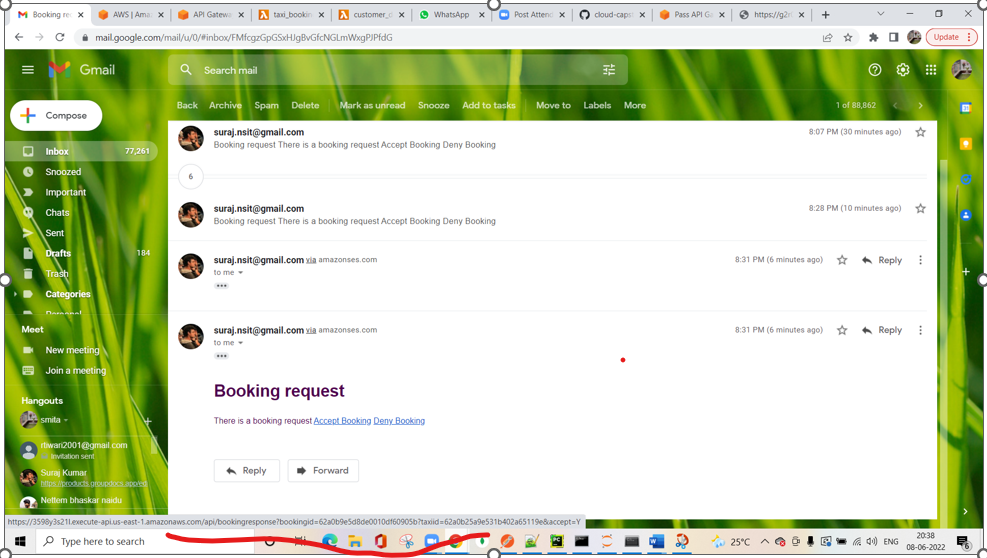
<https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/booktaxi?userid=62a3712a4f92cbbbc142d8ba&type=CHG>



Check booking details for above user

<https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/bookingdetails>

Received mail

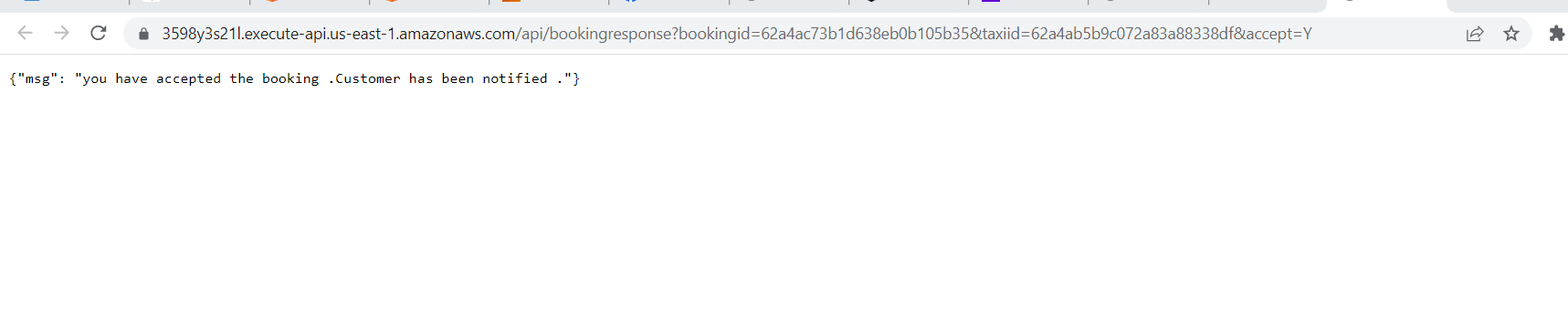


Accept link : <https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/bookingresponse?bookingid=62a0b9e5d8de0010df60905b&taxiid=62a0b25a9e531b402a65119e&accept=Y>

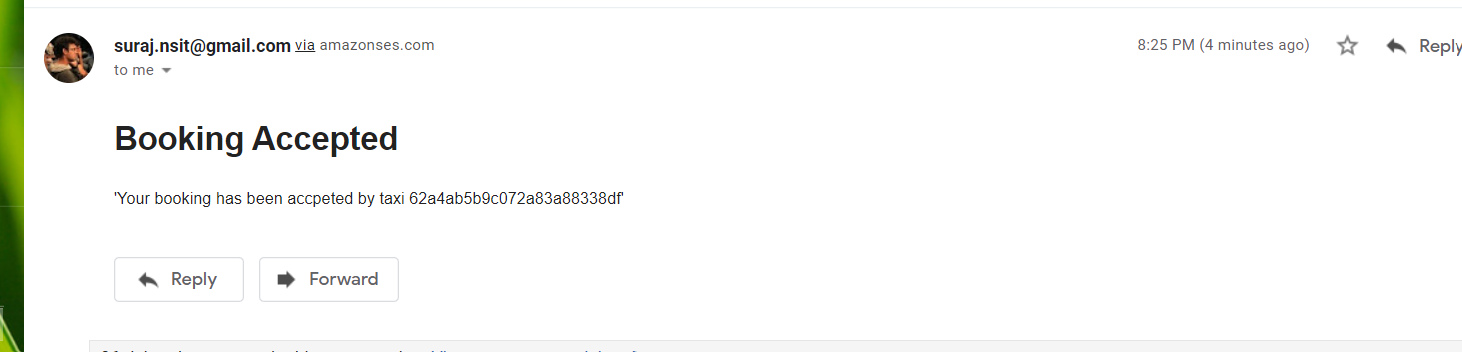
booking\_accepted flag is set to Y in booking collection

and “hired” flag is set to “Y” in taxi table for above taxiid

{"msg": "you have accepted the booking .Customer has been notified ."}

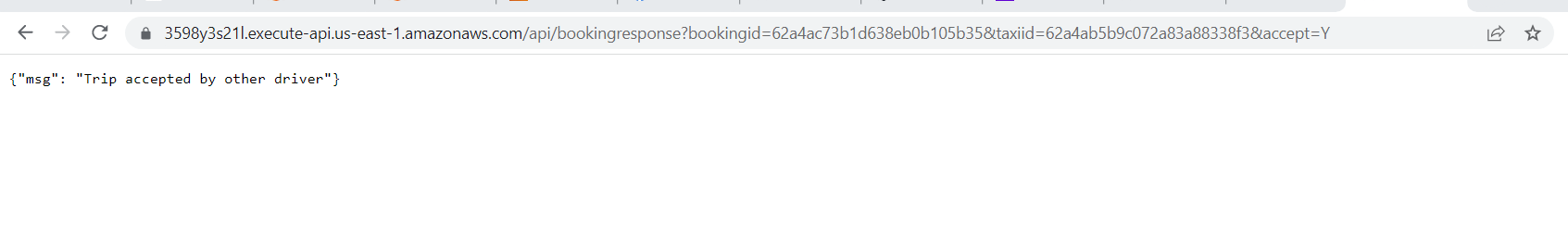


Notification sent to customer on booking acceptance is below



**If trip already accepted by other taxi**

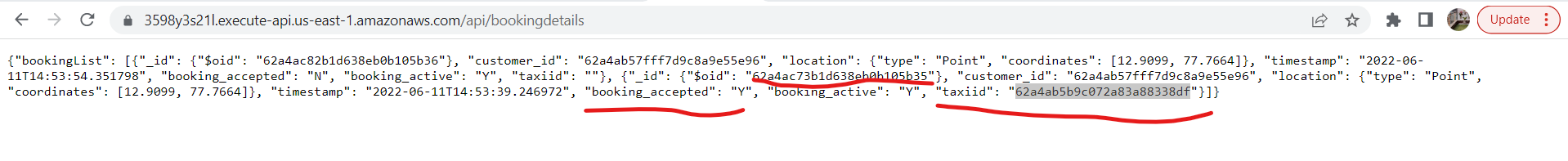
{"msg": "Trip accepted by other driver"}



**Trip Testing**

Take booking id which is accepted and the taxiid which accepted it .Can be checked in bookingdetails collection

As shown below



<https://3598y3s21l.execute-api.us-east-1.amazonaws.com/api/trip>

 {

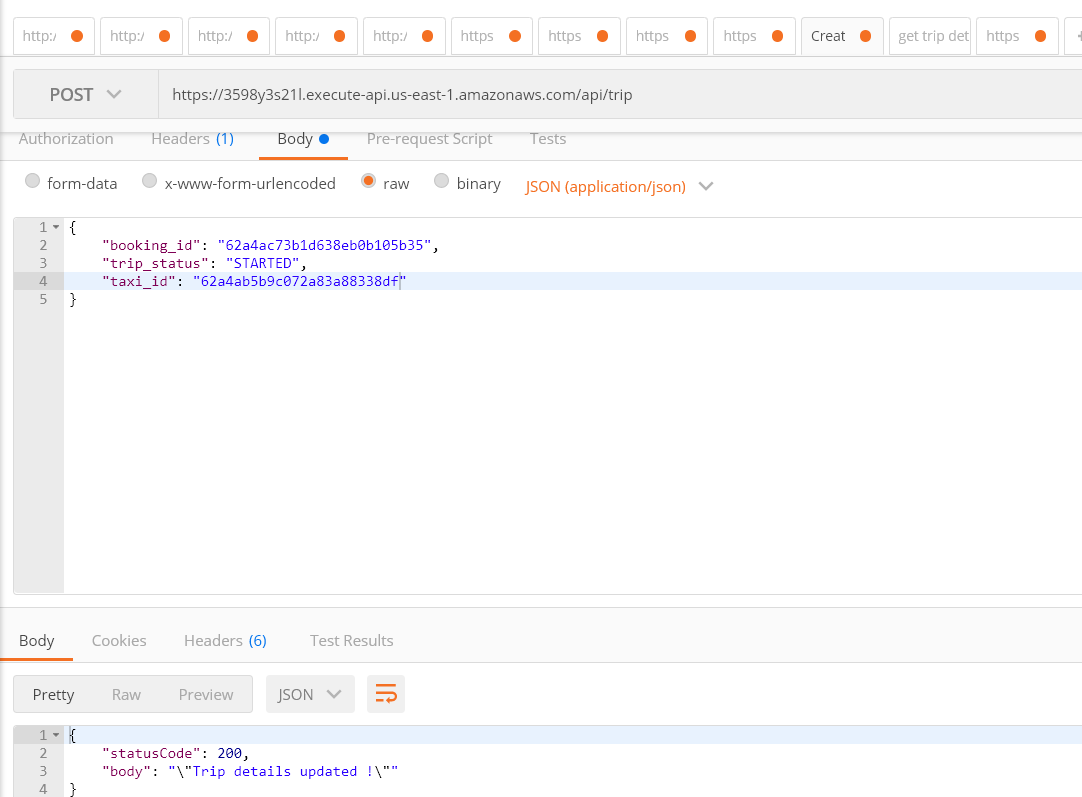
"booking\_id": "92a037e859f000eaf57a9cc0",

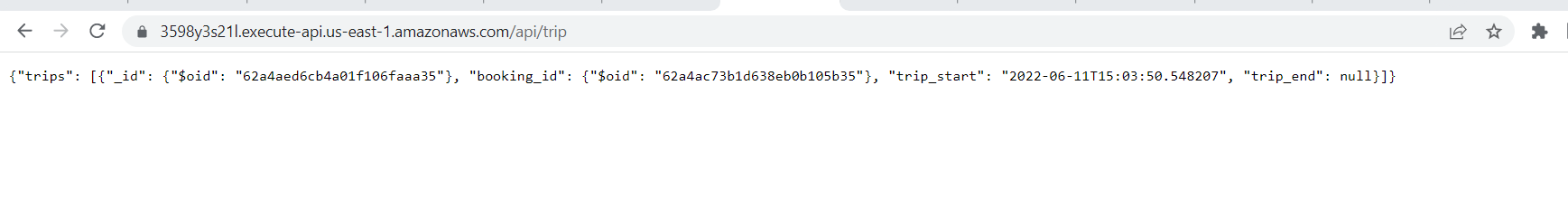
"trip\_status": "STARTED",

"taxi\_id": "6294cfe76253059d759710d9"

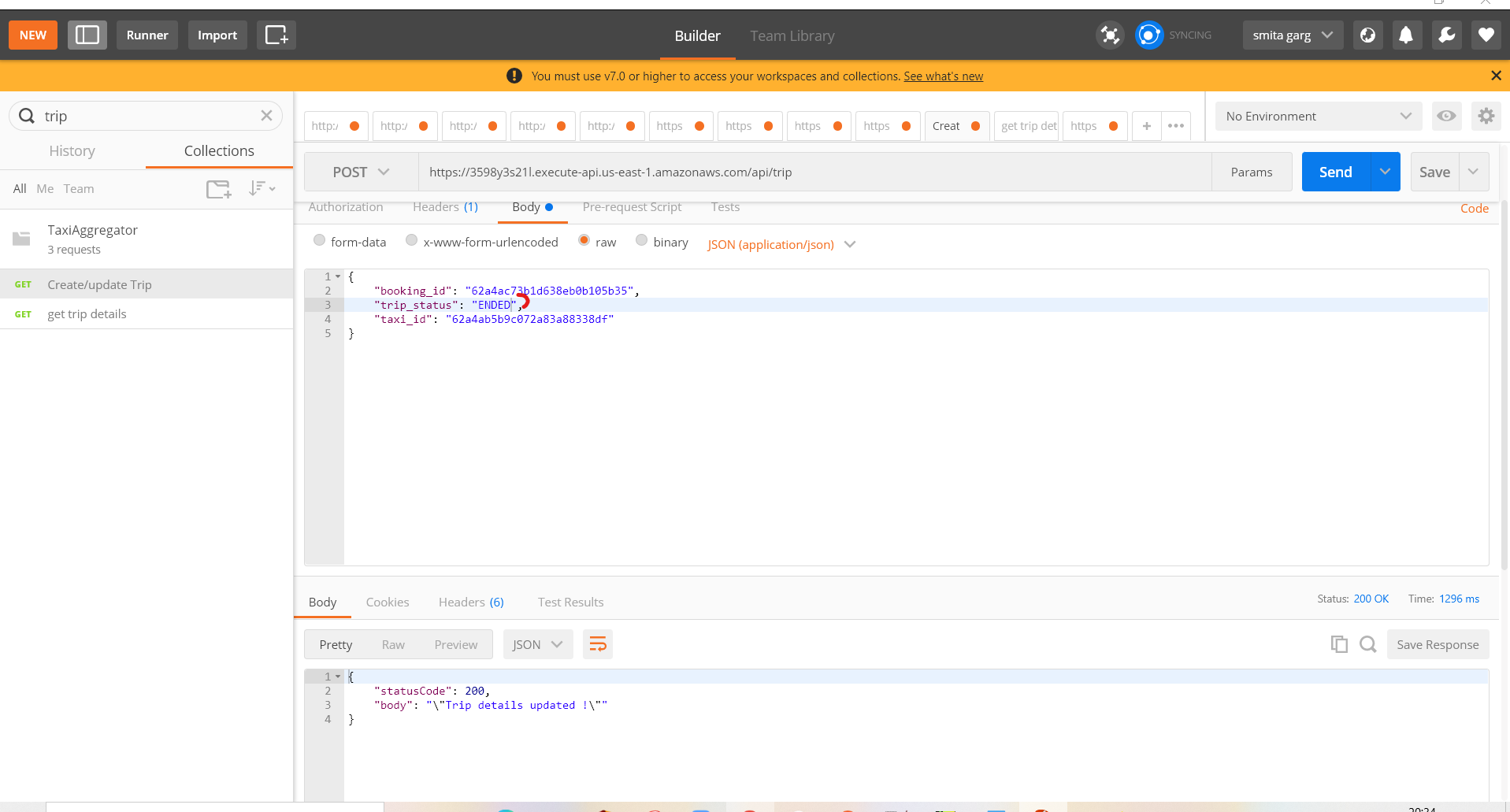
}

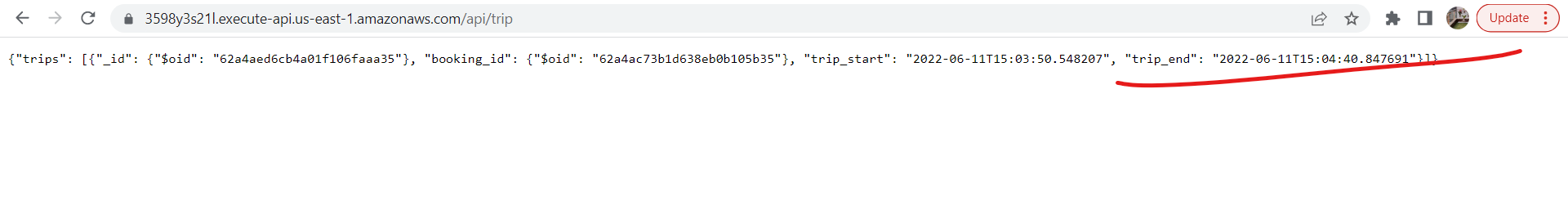
**Result**

****

****

**Trip end**

****

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