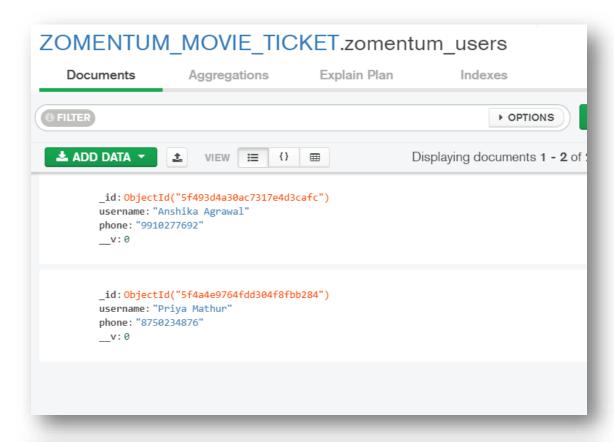
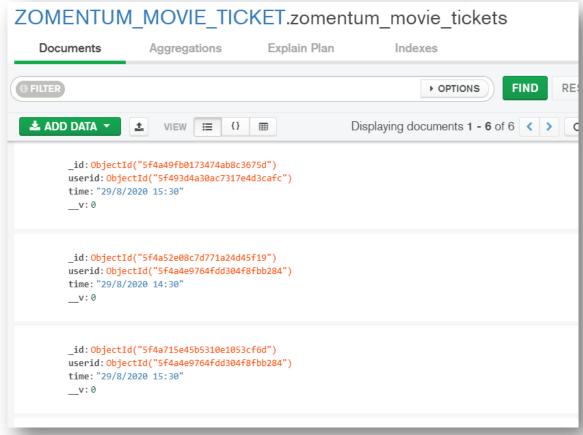
## **BACKEND PROBLEM STATEMENT**

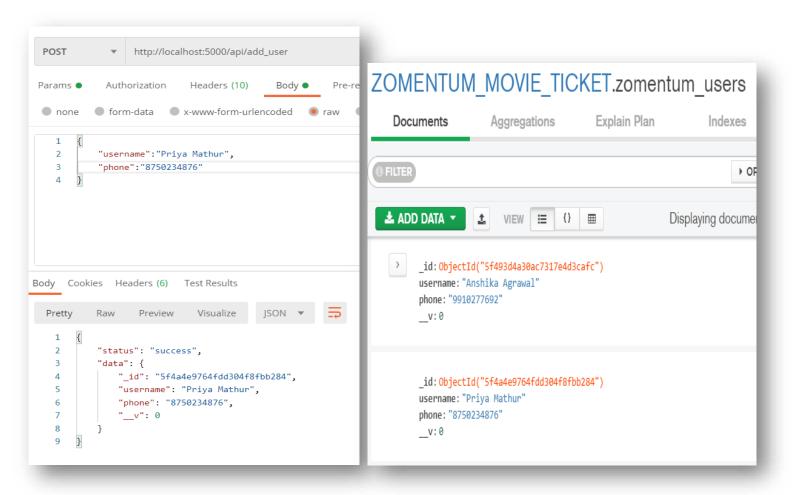
REST interface for a movie theatre ticket booking system in Nodejs and Mongodb

• Created 2 mongodb collections: 1) zomentum users 2) zomentum\_movie\_tickets

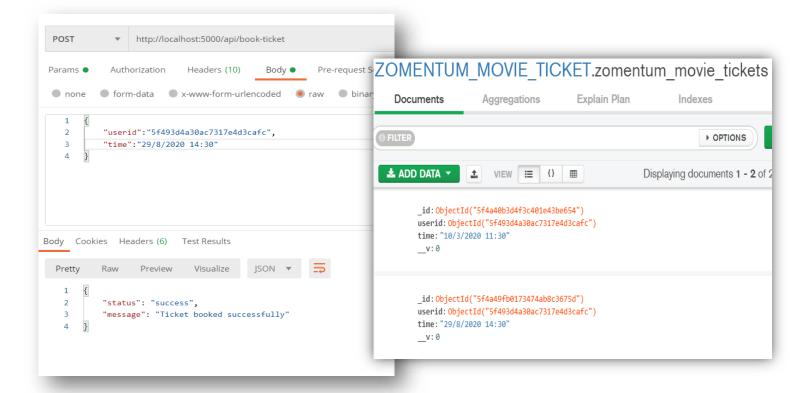




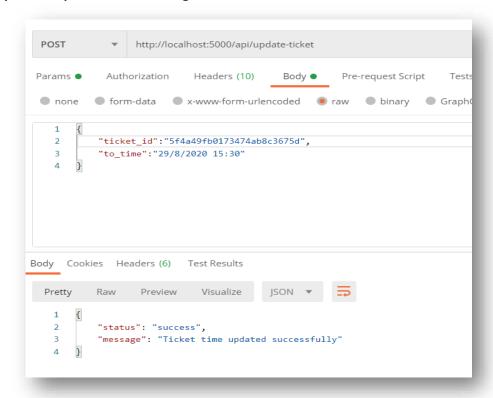
An endpoint to add a user



• An endpoint to book a ticket using a user's id, phone number, and timings

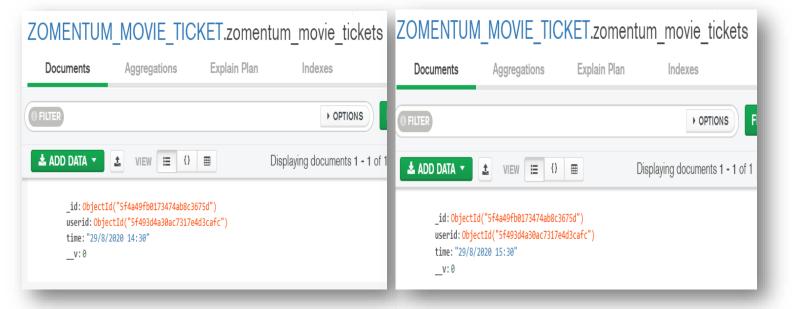


## An endpoint to update a ticket timing

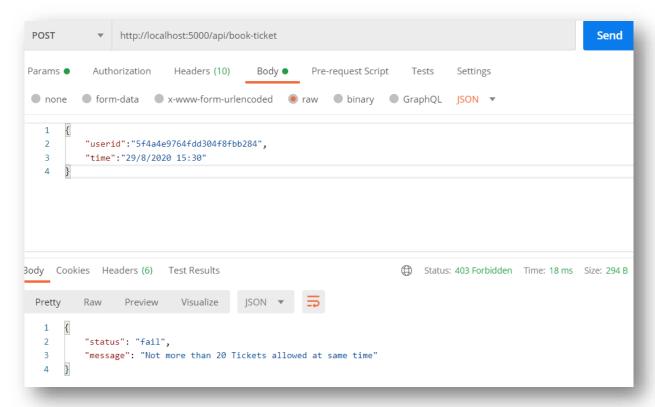


Before update:

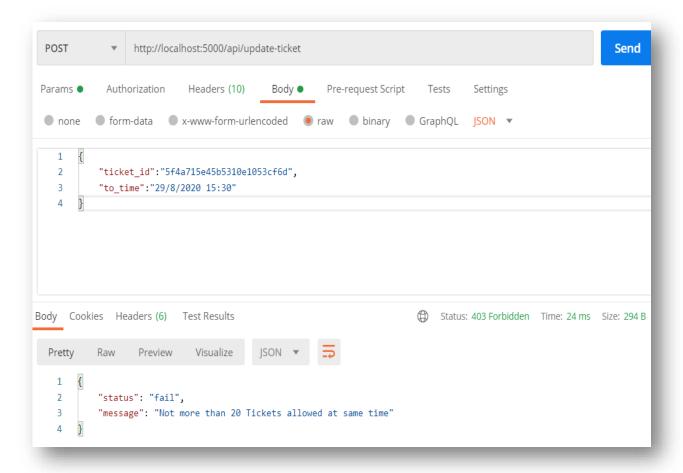
After Update



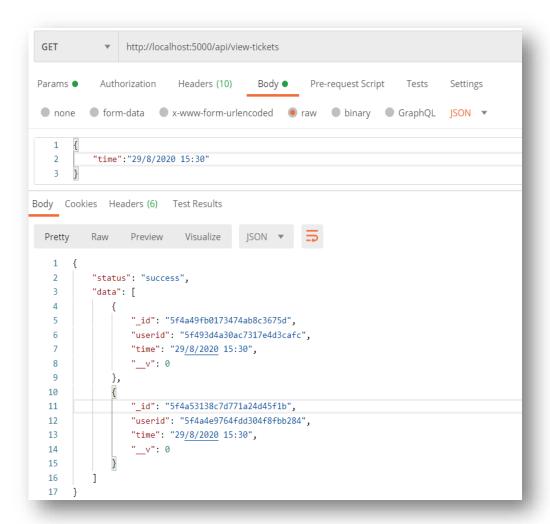
- For a particular timing, a maximum of 20 tickets can be booked.
  - 1) Cannot book a ticket when already 20 tickets are booked



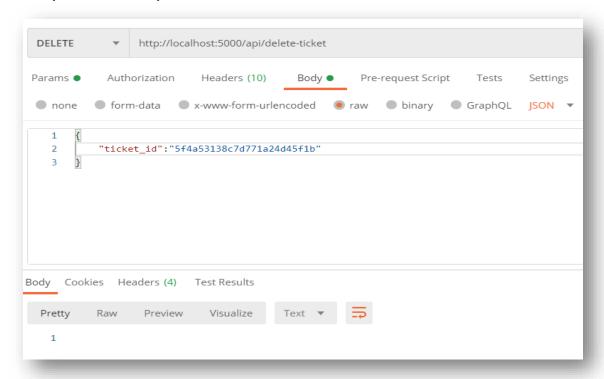
2) Cannot update ticket's timing to the new time at which already 20 tickets are booked



• An endpoint to view all the tickets for a particular time

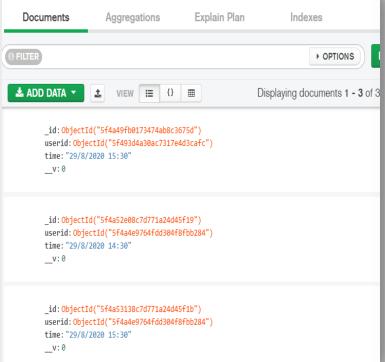


An endpoint to delete a particular ticket.

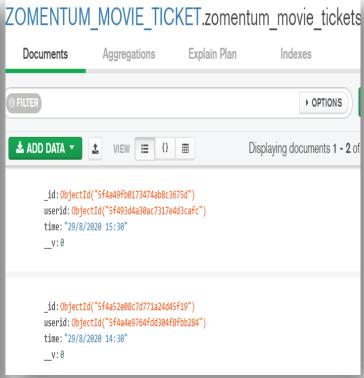


### **Before Delete:**

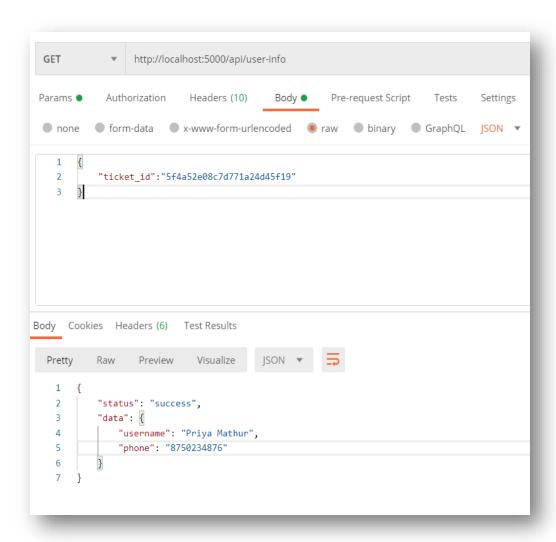
# ZOMENTUM MOVIE TICKET.zomentum movie tickets



#### **After Delete:**



An endpoint to view the user's details based on the ticket id.



Delete all the tickets which are expired automatically (The following code deletes expired every 6hrs)

```
async function asyncForEach(array, callback) {
  for (let index = 0; index < array.length; index++) {</pre>
  await callback(array[index], index, array);
const Delete_Expired_Tickets = async () => {
const tickets = await ticket_model.find({});
await asyncForEach(tickets, async ticket => {
  let ticketDate = new Date();
   const [date, month, year] = ticket.time.split(" ")[0].split('/');
   const [hr, min] = ticket.time.split(" ")[1].split(':');
   console.log(date, month, year, hr, min);
    ticketDate.setDate(date)
    ticketDate.setMonth(month)
   ticketDate.setYear(year)
   ticketDate.setHours(hr)
   ticketDate.setMinutes(min)
    let currentDate = new Date();
    let hours = ((currentDate.getTime() - ticketDate.getTime()) / 1000 / 3600) % 24;
    console.log("hrs:", hours);
    if (hours >= 6) {
      await ticket_model.findByIdAndDelete(ticket._id);
  })
setInterval(Delete_Expired_Tickets, 1000 * 30 * 60);
```