

TESTING FOR THE API

TEST FOR /bookTicket

Methods : POST

Input Details :

Body :

```
{
  "name": "Kapil",
  "contact": 8209714523,
  "timming": "2020-12-13 12:09:34"
}
```

Data Constraints :

- 1) name = string
- 2) contact = 10 digit Integer
- 3) timming = "YYYY-mm-dd HH:MM:SS" Format

- When Input is valid.

Input data :

```
{
  "name": "Kapil",
  "contact": 8209714523,
  "timming": "2020-12-13 12:09:34"
}
```

Output data:

```
{
  "status": 201,
  "TicketId": 50,
  "message": "Ticket Booked"
}
```

Notes :

The Ticket would be booked successfully.

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-bookTicket/Success_Ticket_bookinh.png

- When Input name is valid.

Input data :

```
{
  "name": "Kapil1244",
}
```

```
{
  "contact":8209714523,
  "timing":"2020-12-11 12:09:34"
}
```

Output data:

```
{
{
  "status": 400,
  "message": "Please recheck name provided"
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-bookTicket/Wrong_Name.png

- When Buffer of 20 has reached for a timing.

Input data :

```
{
  "name":"Kapil",
  "contact":8209714523,
  "timing":"2020-12-11 13:00:00"
}
```

Output data:

```
{
{
  "status": 403,
  "message": "Seats Buffer For This Timing Is Full"
}
```

Notes :

Request is Forbidden ,because it cannot be served.

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-bookTicket/Limit Of 20 Reached.png

- When Request contains missing values.

Input data :

```
{
  "name":"Kapil",
  "contact":8209714523,
}
```

Output data:

```
{  
  {  
    "status": 400,  
    "message": "Bad Request"  
  }  
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-bookTicket/Invalid_request_handling.png

- When Date is Invalid

Input data :

```
{  
  "name": "Kapil",  
  "contact": 8209714523,  
  "timming": "2020-22-11 12:09:34"  
}
```

Output data:

```
{  
  {  
    "status": 400,  
    "message": "Wrong Date Input"  
  }  
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-bookTicket/Invalid_date_booking.png

- When Date Time is Invalid

Input data :

```
{  
  "name": "Kapilss",  
  "contact": 8209714523,  
  "timming": "2020-22-11YY12:09:34"  
}
```

Output data:

```
{
  {
    "status": 400,
    "message": "Enter Timming in YYYY-mm-dd HH:MM:SS Format"
  }
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-bookTicket/IncorrectDateTime.png

- When Time is Invalid

Input data :

```
{
  {
    "name": "Kapil",
    "contact": 8209714523,
    "timming": "2020-22-11 12:99:34"
  }
}
```

Output data:

```
{
  {
    "status": 400,
    "message": "Incorrect Time Values"
  }
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-bookTicket/Incorrect_Time.png

- When Contact Number is invalid

Input data :

```
{
  {
    "name": "Kapil",
    "contact": 820971452322,
    "timming": "2020-22-11 12:99:34"
  }
}
```

Output data:

```
{
  {
    "status": 400,
    "message": "Please recheck contact number provided"
  }
}
```

```
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-bookTicket/Invalid_Contact_Number.png

TEST FOR /updateTime/:id

Methods : PUT

Input Details :

URL : <http://localhost:3000/updateTime/29>

Body :

```
{
  "newTimming": "2020-12-20 12:00:00"
}
```

Data Constraints :

- 1) ticketId = Integer
- 2) newTimming = "YYYY-mm-dd HH:MM:SS" Format

- When Input is Valid

Input data :

URL: <http://localhost:3000/updateTime/29>

```
{
  "newTimming": "2020-12-20 12:00:00"
}
```

Output data:

```
{
  "status": 200,
  "message": "Updated Successfully !!"
}
```

```
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-update/Successful_Update.png

- When Ticket Id is not in the database.

Input data:

URL: <http://localhost:3000/updateTime/29>

```
{
  "newTiming": "2020-12-20 12:00:00"
}
```

Output data:

```
{
  "status": 404,
  "message": "No Such Ticket Id Found !"
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-update/No_ticket_id.png

- When Date Or Time is Not in valid format.

Input data:

URL: <http://localhost:3000/updateTime/ss>

```
{
  "newTiming": "202-12-20 12:00:00"
}
```

Output data:

```
{
  "status": 400,
  "message": "Provide Date in YYYY-mm-dd HH:MM:SS Format"
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-update/Incorrect_date.png

TEST FOR /getUserDetails

Methods : GET

Input Details :

- 1) Using URL Query : <http://localhost:3000/getUserDetails?ticketId=29> OR
- 2) Using Body :

```
{
  "ticketId": "29"
}
```

Data Constraints : ticketId = Integer

- When Input is Valid

Input data :

```
{
  "ticketId": "29"
}
```

Output data:

```
{
  {
    "status": 200,
    "data": {
      "Name": "Kapil",
      "Contact": "8209714523"
    }
  }
}
```

Note :

This fetches the user information such as name and contact on the basis of ticket id.

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-getUserDetails/Success_User_Information.png

- When Ticket Id is not in the database.

Input data :

```
{
  "ticketId": "25"
}
```

Output data:

```
{
  "status": 404,
  "message": "No Such Ticket Id Found !"
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-getUserDetails/Ticket_Not_In_Database.png

- When Ticket Id is invalid.

Input data :

URL: <http://localhost:3000/updateTime/ss>

```
{
  "ticketId": "29shjsh"
}
```

Output data:

```
{
  "status": 400,
  "error": "Invalid Ticket Id"
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-getUserDetails/Invalid_TicketId.png

TEST FOR /deleteTicket

Methods : DELETE

Input Details :

Using Body :

```
{
  "ticketId": "29"
}
```

Data Constraints : ticketId = Integer

- When Input is Valid

Input data :

```
{
  "ticketId": "28"
}
```

Output data:

```
{
  "status": 200,
  "message": "Deleted Successfully !!"
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing-Route-deleteTicket/Success_Deletion.png

- When Ticket Id is not in the database.

Input data :

```
{
  "ticketId": "10000"
}
```

Output data:

```
{  
  {  
    "status": 404,  
    "message": "No Such Ticket Id Found !"}  
  }  
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing-Route-deleteTicket/Ticket_Not_In_Database.png

- When Ticket Id is invalid.

Input data:

```
{  
  "ticketId": "ssy1"  
}
```

Output data:

```
{  
  {  
    "status": 400,  
    "error": "Invalid Ticket Id"  
  }  
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing-Route-deleteTicket/Invalid_Ticket.png

TEST FOR /viewTickets

Methods : GET

Input Details :

- 1) Using URL Query :
<http://localhost:3000/viewTickets?date=2020-12-11&time=13:00:00>
OR
- 2) Using Body :

```
{
```

```
"date": "2020-12-11",  
"time": "13:00:00"  
}
```

Data Constraints :

- 1) date = YYYY-mm-dd
- 2) Time = HH:MM:SS

- When Input is Valid

Input data :

<http://localhost:3000/viewTickets?date=2020-12-11&time=13:00:00>

Output data:

```
{  
  {  
    "status": 200,  
    "data": [  
      {  
        "TicketId": 30,  
        "Name": "Kapil",  
        "Contact": "8209714523"  
      },  
      {  
        "TicketId": 31,  
        "Name": "Kapil",  
        "Contact": "8209714523"  
      },  
      {  
        "TicketId": 32,  
        "Name": "Sunil",  
        "Contact": "9571524145"  
      },  
      {  
        "TicketId": 33,  
        "Name": "Raju",  
        "Contact": "9571524225"  
      }  
    ]  
  }  
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-viewTickets/success.png

- When Date is Invalid.

Input data :

```
http://localhost:3000/viewTickets?date=2020-122-11&time=13:00:00
```

Output data:

```
{  
  
  {  
    "status": 400,  
    "message": "Provide Date in YYYY-mm-dd Format"}  
  }  
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-viewTickets/wrong_date.png

- When Time is Invalid.

Input data :

```
http://localhost:3000/viewTickets?date=2020-122-11&time=13:00:120
```

Output data:

```
{  
  
  {  
    "status": 400,  
    "message": "Incorrect Time Values"}  
  }  
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-viewTickets/Incorrect_time.png

- When no ticket exists for a timing.

Input data :

```
http://localhost:3000/viewTickets?date=2020-12-11&time=13:10:10
```

Output data:

```
{  
  "status": 404,  
  "message": "NO Tickets Exists For This Timming"}  
}
```

Link To Image:

https://github.com/090max/Ticket-Booking-API/blob/master/Tests/Testing_Route-viewTickets/no_ticket.png