POSTMAN TIMELY

SUNIL YADAV

TABLE OF CONTENT

Table of Content	2
Assumptions	3
User Registration	4
User Login	5
User Logout	5
Get All Slots	6
Get Available Slots of Others	7
Make Available Slots	8
Book Slots	9
Get All Your BOOKINGS	10
Get All Your Booked Slots	11
Development Sprints	12
POC Images	13
Technology User	22

ASSUMPTIONS

No Provision to Views Historical Data -

Time Slot is Fixed for 1Hr.

Time Slot - as Per Data Format

00:00 - 01:00	0	13:00 - 14:00	13
01:00 - 02:00	1	14:00 - 15:00	14
02:00 - 03:00	2	15:00 - 16:00	15
03:00 - 04:00	3	16:00 - 17:00	16
04:00 - 05:00	4	17:00 - 18:00	17
05:00 - 06:00	5	18:00 - 19:00	18
06:00 - 07:00	6	19:00 - 20:00	19
07:00 - 08:00	7	20:00 - 21:00	20
08:00 - 09:00	8	21:00 - 22:00	21
09:00 - 10:00	9	22:00 - 23:00	22
10:00 - 11:00	10	23:00 - 00:00	23
11:00 - 12:00	11		
12:00 - 13:00	12		

By Default -No Slot will be Available for a Day to User-

USER REGISTRATION

API	http://{IP}/v1/user/register
Request Method	POST
Data_Format	{ "username":" <u>sunil016@yahoo.com</u> ", "password":"12345" }
Response Format	{ "timestamp": "2020-04-02T15:36:52.424+0000", "message": "User Created Successfully" }

Username & Password Criteria -

- 1. Check for Username Criteria. (Should be Email)
- 2. Check for Password Criteria. (Min. 6 Characters)

USER LOGIN

API	http://{IP}/v1/user/login
Request Method	GET
Response Format	{ "timestamp": "2020-04-02T15:36:52.424+0000", "message": "Successful Login" }

Need to Pass Username and Password in Header - "Authorization" - Basic Auth

** API Just verifies that you have entered valid credentials and your request is and will be passing through Spring Security.

USER LOGOUT

API	http://{IP}/v1/logout
Request Method	GET
Response Format	{ "timestamp": "2020-04-02T15:36:52.424+0000", "message": "Successful Logout" }

GET ALL SLOTS

API	http://{IP}/v1/slot/getAllSlots
Request Method	GET
Data_Format	-NA-
Response Format	<pre>{ "timestamp": "2020-04-02T15:36:52.424+0000", "message": "No Slot Available, Please Make I t Available" }</pre>

** By Default No Slot will be Available

API	http://{IP}/v1/slot/getAllSlots
Request Method	GET
Data_Format	-NA-
Response Format	{ "timestamp": "2020-04-02T15:36:52.424+0000", "message": [10,12] }

^{**} API fond Slot 10 & Slot 12 is available, i.e timestamp from 10:00-11:00 & 12:00-13:00 is available.

GET AVAILABLE SLOTS OF OTHERS

API	http://{IP}/v1/slot/getAllSlots/{user}
Request Method	GET
Data_Format	-NA-
Response Format	{ "timestamp": "2020-04-02T15:36:52.424+0000", "message": [1,20] }

^{**}Here user is the username of other person to whom you like to book an appointment with I.e for sanjay01@yahoo.com.

MAKE AVAILABLE SLOTS

API	http://{IP}/v1/slot/setSlotAvailable/{id}
Request Method	PUT
Data_Format	-NA-
Response Format	{ "timestamp": "2020-04-02T15:36:52.424+0000", "message": "Slot 10 is Available Now" }

**Here id is the TimeStamp - ID I.e for 1200:1300 ID is 12.

API api, mark slot available in your profile, so that other person can book an appointment with you at this slot.

By Default -No Slot will be Available for a Day to User-

BOOK SLOTS

API	http://{IP}/v1/booking/bookSlot
Request Method	POST
Data_Format	{ "to":" <u>sanjay01@yahoo.com</u> ", "slot":10, "description":"Medical Checkup" }
Response Format	{ "timestamp": "2020-04-02T15:36:52.424+0000", "message": "Slot 10 Booked with sanjay01@yahoo.com" }

** User X is Making Request to Book an Appointment/Slot to user sanjay01@yahoo.com

API	http://{IP}/v1/booking/bookSlot
Request Method	POST
Data_Format	{ "to":" <u>sanjay01@yahoo.com</u> ", "slot":10, "description":"Medical Checkup" }
Response Format	{ "timestamp": "2020-04-02T15:36:52.424+0000", "message": "Slot 10 for <u>sanjay01@yahoo.com</u> Already Book" }

^{**}Api also check for Availability of Slot.

GET ALL YOUR BOOKINGS

API	http://{IP}/v1/booking/getAllBookings
Request Method	GET
Data_Format	-NA-
Response Format	{ "timestamp": "2020-04-02T16:17:29.408+0000", "message": [

^{**} API fetches for all the bookings that you have made to others.

GET ALL YOUR BOOKED SLOTS

API	http://{IP}/v1/slot/getAllBookedSlots			
Request Method	GET			
Data_Format	-NA-			
Response Format	<pre>{ "timestamp": "2020-04-02T16:23:02.669+0000", "message": [</pre>			

** API fetches for all the booked appointment for ur profile.. i.e all the booking done for you.

DEVELOPMENT SPRINTS

Day - 1 :: Implement Login and Registration

Day - 2 :: Build Database Schema for Slots and Booking.

Day - 3 :: Create APIs for Slots and Booking.

Day - 4 :: Make Testing and Class Level and Function Level Security.

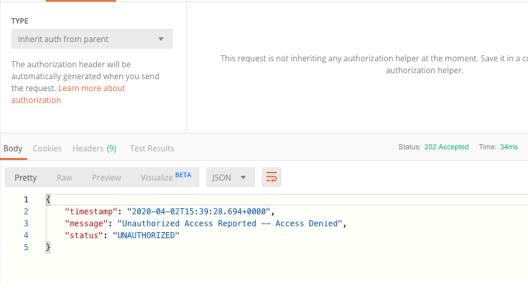
Day - 5 :: Complete APIs Documentation.

Day - 6 :: Write Unit Test Cases & See Google Calendar Integration.

Day -7 :: Deploy Project on EC_2.

** Go for Distributed/Scalable MicroService Arch. **

POC IMAGES



Pre-request Script

Tests

Settings

localhost/v1/user/login

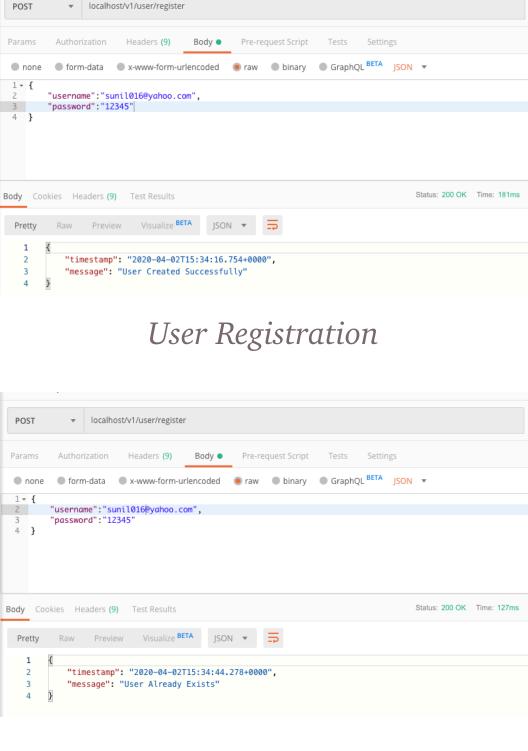
Headers (8)

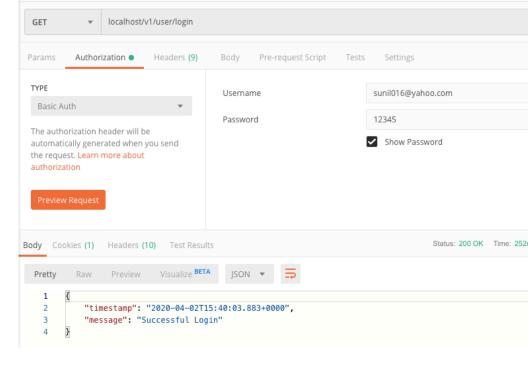
Authorization

Body

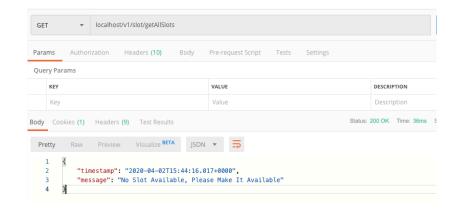
GET

** Trying to login with No Auth Header**

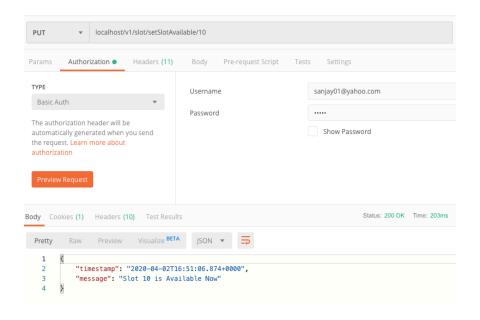




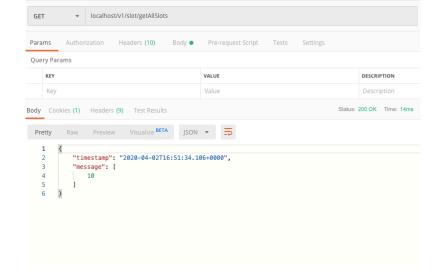
Users Login



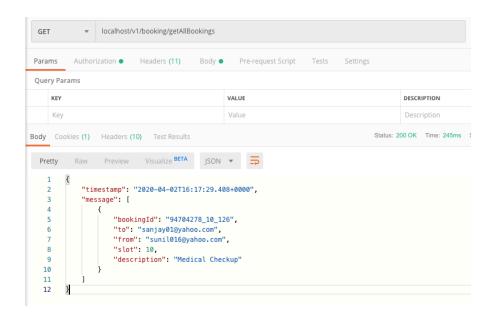
Checking for all the Slots Available for the Day (Sanjay01@yahoo.com)



Making Slot - 10 Available for User (Sanjay01@yahoo.com)

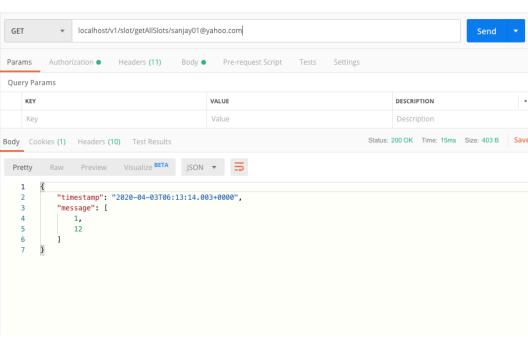


Checking for all the Slots Available for the Day (Sanjay01@yahoo.com)



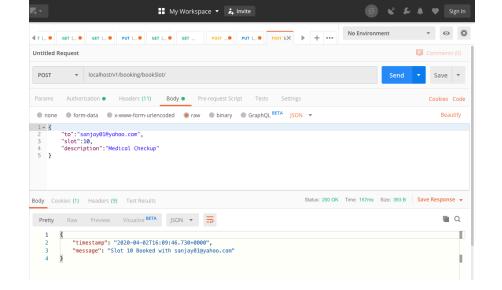
Fetching all the Bookings Made by <u>sunil016@yahoo.com</u>

** All the User Identification is Made by Server via Security Module **

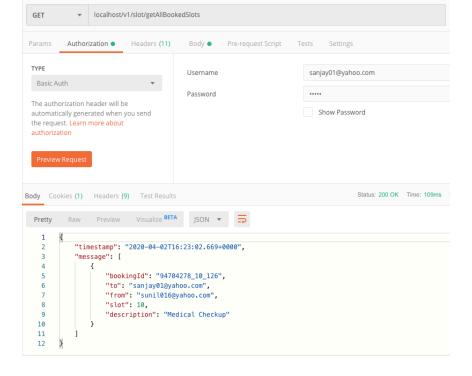


Fetching all the Available Slots for <u>sanjay01@yahoo.com</u>, so that I can make booking.

*Result shows 01:00 to 02:00 and 12:00 to 13:00 is available.



Making a Booking for Slot 10 to sanjay01@yahoo.com from sunil016@yahoo.com



All the Slots Booked for sanjay01@yahoo.com

TECHNOLOGY USER

Language

Java

Development Framework

Spring Boot Framework Spring Security

Database

Mongodb

Actions

User Registration
User Login
Spring Security
Slot Status
Make Slot Available
All Booking Status
All Booked Status
Make a Booking for Slot
Custom Exceptions Module
Custom Responses for Exceptions
JUnit-Mokito Testing