**README FILE**

1. This is a Spring boot project where we have created  3 REST-API.
2. Technology used are Spring boot, java, hibernate, JPA etc.
3. Database used MySQL.
4. Tools used Spring tool suit, MySQL workbench, Postman.
5. Using these API, we can book recurring/non recurring meeting sessions, reschedule the previously booked sessions and cancel the meeting.
6. There is a meeting table with the following parameters meetingId, userId, mentorId, date, time, bookAt and recurring.
7. Time here is in 24 hours format.
8. Date here is in “dd-mm-yyyy” format.
9. BookAt is time of booking given in 24 hours format.
10. Recurring tag can contains only 3 values, “no”, “1/7/30” and “2/7/60”.

**Features of the APIs:-**

1. **Cancel Session** :- User can cancel the booked session with a mentor but the time difference between the current time and session time should be greater than the 12 hours.
2. **Reschedule Session** :- User can reschedule the meeting with mentor but the time difference between the current time and the session time should be greater than 4 hours.
3. **Book Recurring Session** :- User can book session with mentor for regular interval given by the user like .(like once per week for 1 month or twice per week for 2 months). For this user can give three values in recurring tag which are “no”, “1/7/30” and “2/7/60”.

Here, “no” means book session for once only.

“1/7/30” means book 1 session per week for 1 month.

“2/7/60” means book 2 session per week for 2 month.

**Working of APIs:-**

1. **Cancel Session:-**

URL for session cancel is [**http://localhost:8080/cancelMeeting**](http://localhost:8080/cancelMeeting)

Method - DELETE

Header - Content-Type

Value - application/json

raw - json

body - {

"meetingId": 2,

"userId": "user1",

"mentorId": "mentor1",

"date": "23-12-2023",

"time": "03:30",

"bookAt": "12:30",

"recurring": "no"

}

**Response:-**

* 1. If meeting is cancelled successfully than response is **: “Booking Cancelled!”**
  2. If meeting is not cancelled than response is : “**Cannot Cancel the Meeting, Remaining time is less than 12 hours**”

1. **Reschedule Session:-**

URL for session rescheduling is [**http://localhost:8080/meetingReschedule**](http://localhost:8080/meetingReschedule)

Method - PUT

Header - Content-Type

Value - application/json

raw - json

body - {

"meetingId": 2,

"userId": "user1",

"mentorId": "mentor1",

"date": "23-12-2023",

"time": "03:30",

"bookAt": "12:30",

"recurring": "no"

}

**Response:-**

* 1. If meeting is reschedule successfully than response is **: “Booking Reschedule!”**
  2. If meeting is not cancelled than response is : “**Cannot Reschedule, Remaining time is less than 4 hours**”

1. **Book Recurring Session:-**

URL for booking is [**http://localhost:8080/bookMeeting**](http://localhost:8080/bookMeeting)

Method - POST

Header - Content-Type

Value - application/json

raw - json

body - {

"meetingId": 2,

"userId": "user1",

"mentorId": "mentor1",

"date": "23-12-2023",

"time": "03:30",

"bookAt": "12:30",

"recurring": "1/7/30"

}

Here, recurring tag can contains only 3 values, which are as follows:-

* 1. “no” means book session for once only.
  2. “1/7/30” means book 1 session per week for 1 month.
  3. “2/7/60” means book 2 session per week for 2 month

**Response:- “Booking Done!”**

**Database Details:**

Database Name:- leantech

Table Name:- meeting

Table structure:-

* 1. meeting­\_id – int (Primary key)
  2. user\_id – varchar(20)
  3. mentor\_id – varchar(20)
  4. date – varchar(20)
  5. time – varchar(10)
  6. book\_at – varchar(20)
  7. recurring – varchar(20)

