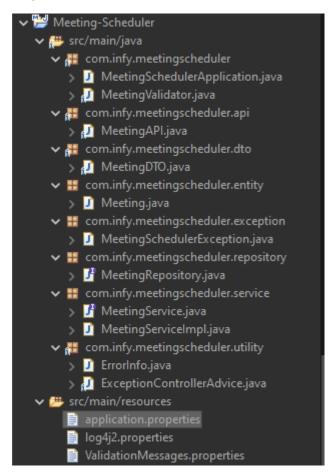
MEETING SCHEDULER

Project Structure:



Meeting.java (Entity Class), for this, compare with table script (SQL File) and if table name varies use @Table & for Columns use @Column (If column name varies) -> To be modified

MeetingDTO.java (DTO Class), for validation, messages are implemented in ValidationMessages.properties -> to be modified

```
// This code may vary in assessment and there is no need to code this as this is already provided
public Meeting prepareEntity() {
    Meeting meeting = new Meeting();
    meeting.setMeetingDate(this.getMeetingDate());
    meeting.setPurpose(this.getPurpose());
    meeting.setSchedulerName(this.getSchedulerName());
    meeting.setTeamName(this.getTeamName());
    return meeting;
}
```

MeetingValidator.java (Validator class), for constructor, code is already present -> To be Implemented

MeetingRepository.java (Repository Interface) -> To be Implemented

```
MeetingRepository.java X

1 package com.infy.meetingscheduler.repository;
2
3 import java.time.LocalDate;
9
10 public interface MeetingRepository extends CrudRepository<Meeting, Integer>{
11
12 // @Query("SELECT m FROM Meeting m WHERE m.schedulerName = ?1")
13     List<Meeting> findBySchedulerName(String schedulerName);
14
15 // @Query("SELECT m FROM Meeting m WHERE m.schedulerName = ?1 AND m.meetingDate = ?2")
16     List<Meeting> findBySchedulerNameAndMeetingDate(String schedulerName, LocalDate meetingDate);
17
18 // @Query("SELECT m FROM Meeting m WHERE m.teamName = ?1 AND m.meetingDate = ?2")
19     List<Meeting> findByTeamNameAndMeetingDate(String teamName, LocalDate meetingDate);
20
21 }
22
```

MeetingService.java (Service Interface) -> Already Implemented

MeetingServiceImpl.java (Service Implementation Class) -> To be Implemented

```
Image: Imag
```

MeetingAPI (API Implementation Class), for validation, messages is picked up from ValidationMessages.properties -> to be implemented

ErrorInfo.java -> Already Implemented

ExceptionControllerAdvice.java (Exception handler class) for these usually methods will be implemented, the focus should be on annotations -> to be modified

MeetingSchedulerApplication.java (Main class) -> Already implemented

MeetingSchedulerException.java (Exception Class) -> Already Implemented

```
MeetingSchedulerException.java X

package com.infy.meetingscheduler.exception;

// Already Implemented
public class MeetingSchedulerException extends Exception{

private static final long serialVersionUID = 1L;

public MeetingSchedulerException(String message) {
    super(message);
    }

}
```

Application.properties (Properties file) -> Already implemented

```
application.properties X

1 MeetingValidator.INVALID_TEAM_NAME=Team Name should be one among ETAMYSJAVA, ETAMYSMS, ETAMYSBI, ETAMYSUI, ETAMYSAI
2 MeetingValidator.INVALID_MEETING_DATE=Meeting Date cannot be a Saturday or a Sunday
3 MeetingService.NO_MEETING_DATE_UNAVAILABLE=The scheduler than a meeting on the requested date, please choose any other date
5 MeetingService.TEAM_UNAVAILABLE=The team has a meeting on the requested date, please choose any other date
6 General.EXCEPTION_MESSAGE=Internal Server Error!
7
8 # Database properties
9 spring.datasource.url=jdbc:mysql://localhost:3306/infymeeting_db
10 spring.datasource.username=root
11 spring.datasource.password=root
12 spring.jpa.show-sql=true
13 spring.jpa.properties.hibernate.format_sql=true
14
15 server.port=8765
```

ValidationMessages.properties (Validation messages file) -> Already implemented

```
ValidationMessages.properties ×

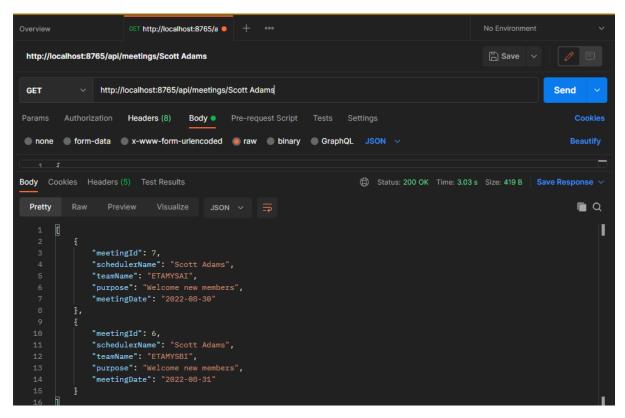
1 meeting.scheduler.invalid=Scheduler name should have only letters and spaces
2 meeting.scheduler.absent=Scheduler name is mandatory
3 meeting.team.absent=Team name is mandatory
4 meeting.purpose.absent=Purpose is mandatory
5 meeting.date.absent=Meeting date is mandatory
6 meeting.date.invalid=Meeting date should not be a past date
```

Log4j2.properties (Logger config file) -> Already Implemented

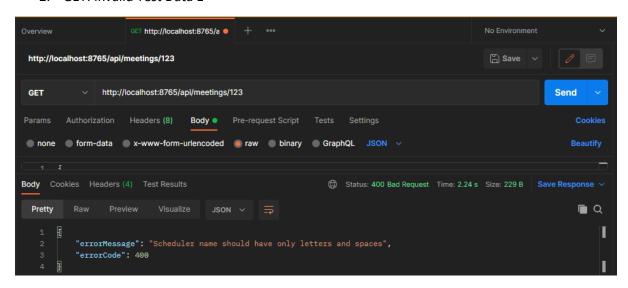
```
📔 log4j2.properties 🗙
  1 name=LoggingFile
  2 rootLogger.level=info
  3 rootLogger.appenderRef.file.ref=LoggerAppender
 5 appender.file.type=File
 6 appender.file.name=LoggerAppender
7 appender.file.fileName=log/ErrorLog.log
 8 appender.file.layout.type=PatternLayout
 9 appender.file.layout.pattern=%d{dd-MMM-xxxxx HH:mm:ss} %level - %m%n
 12 appender.console.name=ConsoleAppender
 13 appender.console.type=Console
 14 appender.console.layout.type=PatternLayout
 15 appender.console.layout.pattern=%m%n
 19 logger.infyacademy.name=com.infy.meetingscheduler.utility
 20 logger.infyacademy.level=DEBUG
21 logger.infyacademy.appenderRef.file.ref=LoggerAppender
 22 logger.infyacademy.additivity=false
24 logger.tester.name=com.infy.meetingscheduler
 25 logger.tester.level=INFO
26 logger.tester.appenderRef.file.ref=ConsoleAppender
 27 logger.tester.additivity=false
```

API Tests (Refer QP for Test Cases) -> To be done in postman

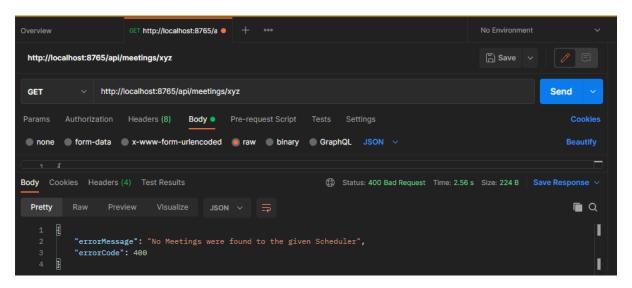
1. GET: Valid Test Data



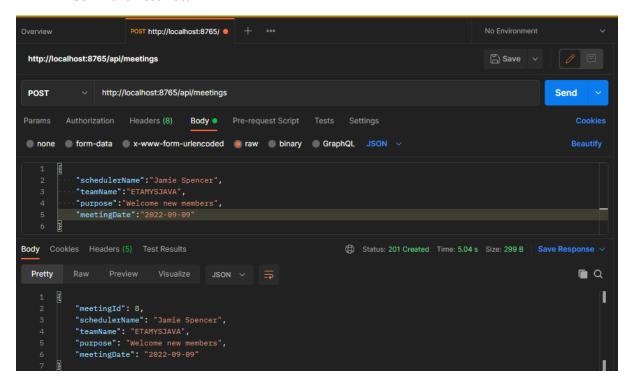
2. GET: Invalid Test Data 1



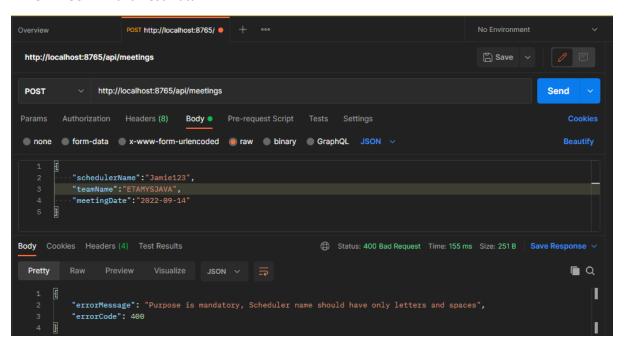
3. GET: Invalid Test Data 2



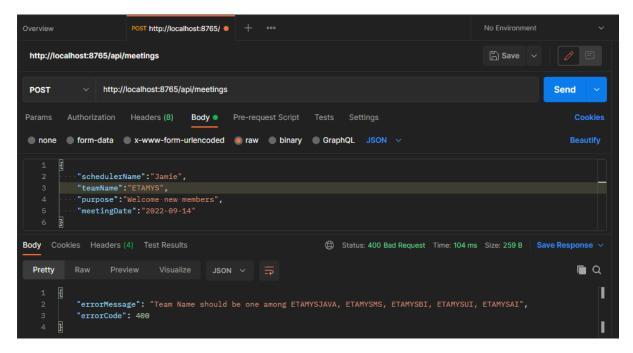
4. POST: Valid Test Data



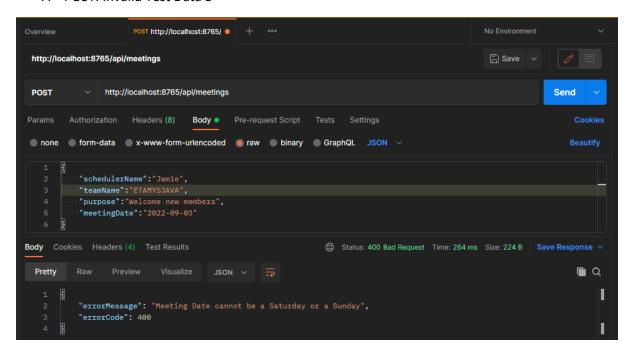
5. POST: Invalid Test Data 1



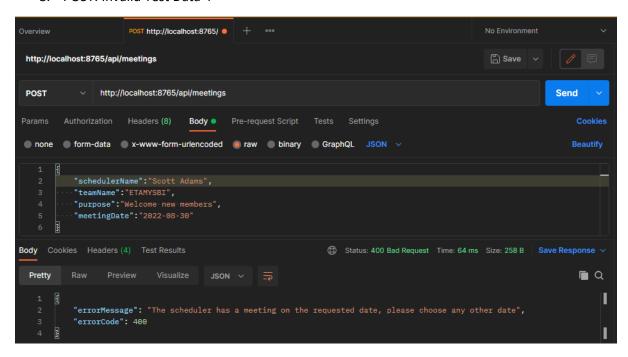
6. POST: Invalid Test Data 2



7. POST: Invalid Test Data 3



8. POST: Invalid Test Data 4



9. POST: Invalid Test Data 5

