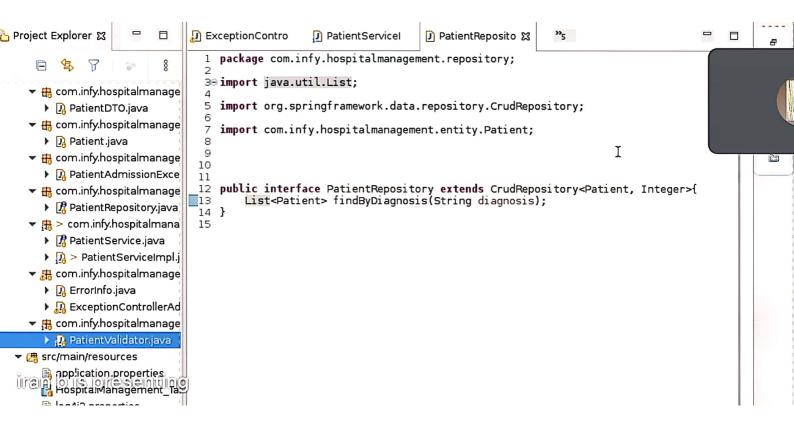
```
Timport org.spiringriamework.beans.ractory.annotatton.Autowired,
                       10 import org.springframework.http.HttpStatus;
                       11
                           import org.springframework.http.ResponseEntity;
                           import org.springframework.validation.annotation.Validated;
                       12
om.infy.hospitalmanage
                           import org.springframework.web.bind.annotation.GetMapping;
🔒 PatientDTO.java
                           import org.springframework.web.bind.annotation.PathVariable;
                           import org.springframework.web.bind.annotation.PostMapping;
om.infy.hospitalmanage
                           import org.springframework.web.bind.annotation.RequestBody;
🛕 Patient.java
                       17
                           import org.springframework.web.bind.annotation.RequestMapping;
                           import org.springframework.web.bind.annotation.RestController;
om.infy.hospitalmanage
                       19
PatientAdmissionExce
                           import com.infy.hospitalmanagement.dto.PatientDTO;
                       20
om.infy.hospitalmanage
                           import com.infy.hospitalmanagement.exception.PatientAdmissionException;
                       21
                           import com.infy.hospitalmanagement.service.PatientService;
                       22
🧣 PatientRepository.java
                       23
                           @RestController
om.infy.hospitalmanage
                           @RequestMapping(value = "api")
                       24
                           @Validated
🧣 PatientService.java
                           public class PatientAPI {
🔒 PatientServiceImpl.jav
                       27⊝ @Autowired
om.infy.hospitalmanage
                               private PatientService patientService;
                       28
                               @GetMapping(value="patients/{diagnosis}")
                       29⊝
🛕 ErrorInfo.java
                               public ResponseEntity<List<PatientDTO>> getPatientsByDiagnosis(@NotNull(message))
                       30
ExceptionControllerAd
                               @Pattern(regexp = "[A-Za-z0-9]+", message="{patient.diagnosis.invalid}")
                       31
                                @PathVariable String diagnosis)
om.infy.hospitalmanage
                       32
                                        throws PatientAdmissionException {
                       33
PatientValidator.java
                                    List<PatientDTO> dto= patientService.getListOfPatients(diagnosis);
                       34
                                    return new ResponseEntity<>(dto,HttpStatus.OK);
main/resources
                       35
                       36
application.properties
                       37⊝
                               @PostMapping(value="patients")
                               public ResponseEntity<PatientDTO> admitPatient(@RequestBody @Valid PatientDTO)
HospitalManagement_Tal
                       38
                                        throws PatientAdmissionException {
og4j2.properties
                       39
                               PatientDTO dto= patientService.admitPatient(patientDTO);
                                                                                                               Ι
                       40
Alidation Messages property in Signification
                                    return new ResponseEntity<>(dto, HttpStatus. CREATED);
```

test/java

42

Scanned with CamScan



```
com.infy.hospitalmanage
                                 import com.infy.hospitalmanagement.dto.PatientDTO;
                             10
     PatientDTO.java
                                 import com.infy.hospitalmanagement.entity.Patient;
                             11
  12
                                 import com.infy.hospitalmanagement.exception.PatientAdmissionException;
                                 import com.infy.hospitalmanagement.repository.PatientRepository;
                             13
     Patient.java
                                 import com.infy.hospitalmanagement.validator.PatientValidator;
                             14
  15
                                 @Service(value = "patientService")
     PatientAdmissionExce
                                @Transactional
                                public class PatientServiceImpl implements PatientService{
                             17
  🕶 🏭 com.infy.hospitalmanage
                             189
                                     @Autowired
     PatientRepository.java
                             19
                                     private PatientRepository patientRepository;
                             20
  ▼ # > com.infy.hospitalmana
                             21⊝
                                     @Override
     PatientService.java
                                     public List<PatientDTO> getListOfPatients(String diagnosis) throws PatientAdmis
                             22
     PatientServiceImpl.j
                             23
                                         List<Patient> list=patientRepository.findByDiagnosis(diagnosis);
                                         if(list.isEmpty()) {
                             24
  throw new PatientAdmissionException("PatientService.PATIENT_UNAVAILABLE
                             25
     ErrorInfo.java
                             26
                                         List<PatientDTO> dtoList= new ArrayList<PatientDTO>();
                             27
     ▶ ♣ ExceptionControllerAd
                                         for (Patient patient : list) {
                             28

▼ # com.infy.hospitalmanage
                                         //PatientDTO.prepareDTO(patient);
                             29
                                         dtoList.add(PatientDTO.prepareDTO(patient));
    PatientValidator.java
                             30
                             31

▼ 

## src/main/resources

                             32
                                         return dtoList;
    application.properties
                             33
                                     }
                             34
    🖪 HospitalManagement_Tal
                                     @Override
                             359
                                     public PatientDTO admitPatient(PatientDTO patientDTO) throws PatientAdmissionEx
    log4j2.properties
                             36
                                     PatientValidator.validatePatient(patientDTO);
    NalidationMessages.prop
                             37
                                     Patient p =new Patient();
                             38
▶ # src/test/java
                                     Patient p=PatientDTO.prepareEntity(patientDTO);
                             39
                                     patientRepository.save(p);
JRE System Library [JavaSE-
                             40
                                         raturn -nationtDTA
HE AND STORES CALLING
                             71
```

Smart Insert

Writable

41:17:1487

```
PatientValidator.jav
Project Explorer 🛭
                                 ▶ Patient.java ♥ ▶ PatientDTO.java
                                                                      ValidationMessages.
                                      import javax.persistence.Entity;
           45
                                      import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;
      T
        ▶ ☐ HospitalManagement
                                      import javax.persistence.Table;
     ▼ # com.infy.hospitalmanage
                                   10
                                      @Entity
        PatientAPI.java
                                   11
                                      @Table(name="patient")
                                                                                           I
     🕶 🖶 com.infy.hospitalmanage
                                      public class Patient {
                                  12
                                           @Id
                                                                                                                                   139
        PatientDTO.java
                                           @GeneratedValue(strategy = GenerationType. IDENTITY)
                                  14

    talmanage

                                           private Integer patientId;
                                  15
                                           private String patientName;
        ▶ 📭 Patient.java
                                  16
                                  17
                                           private String gender;

    talmanage

                                           private LocalDate dateOfBirth;
                                  18
                                           private LocalDate admissionDate;
        PatientAdmissionExce
                                  19
                                  20
                                           private String diagnosis;

    the com.infy.hospitalmanage

                                   21
     ▶ Æ com.infy.hospitalmanage
                                           public Integer getPatientId() {
                                   229
                                   23
                                               return patientId;
     ▶ ∰ com.infy.hospitalmanage
                                   24
     25
                                           public void setPatientId(Integer patientId) {
        PatientValidator.java
                                   269
                                               this.patientId = patientId;
                                   27

▼ C src/main/resources

                                   28
       application.properties
                                   29
                                           public String getPatientName() {
                                   30⊝
       HospitalManagement_Tal
                                   31
                                               return patientName;
  iraniby (Store Sentino
       NalidationMessages.prop
                                  33
```

```
package com.infy.hospitalmanagement.dto;
包
     7
                            3⊝ import java.time.LocalDate;
🛂 HospitalManagement/
                            4
                            5
com.infy.hospitalmanage
                               import javax.validation.constraints.FutureOrPresent;
                               import javax.validation.constraints.NotNull;
                            6
🛺 PatientAPI.java
com.infy.hospitalmanage
                            8
                               import javax.validation.constraints.Pattern;
                            9
📭 PatientDTO.java
                           10
                               import com.infy.hospitalmanagement.entity.Patient;
com.infy.hospitalmanage
                           11
                               public class PatientDTO {
📭 Patient.java
                           12
                           13
com.infy.hospitalmanage
                           14
                                    private Integer patientId;
                                    @NotNull(message = "{patient_name.notpresent}")
@Pattern(regexp = "[A-Za-z]** [A-Za-z]*)*", message = "{patient.name.invalid}")
🔏 PatientAdmissionExce
                           15⊝
                           16
com.infy.hospitalmanage
                           17
                                    private String patientName;
com.infy.hospitalmanage
                           18⊝
                                    @NotNull(message="{patient.gender.notpresent}")
                                    @Pattern(regexp = "(Male|Female|Others)", message="{patient.gender.invalid}")
                           19
com.infy.hospitalmanage
                           20
                                    private String gender;
> com.infy.hospitalmana
                           21
🔏 > PatientValidator.jav:
                           22
                                    private LocalDate dateOfBirth;
                                    @NotNull(message="{patient.admissiondate.notpresent}")
                           23⊝
/main/resources
                                    @FutureOrPresent(message = "{patient.admissiondate.invalid}")
                           24
application.properties
                           25
                                    private LocalDate admissionDate;
                                    @NotNull(message="{patient.diagnosis.notpresent}")
@Pattern(regexp = "[A-Za-z0-9]+", message="{patient.diagnosis.invalid}")
                           26⊝
HospitalManagement_Tal
                           27
og4j2.properties
                           28
                                    private String diagnosis;
√alidationMessages.prop
                           29
                           30⊝
                                    public Integer getPatientId() {
/test/java
                           31
                                         return patientId;
System Library [JavaSE-
                           32
                          MUUMO
ven rainidehlies ore se
                                    public void setPatientId(Integer patientId) {
     this nationtId = nationtId;
                           34⊝
```

it 5

```
3⊝ import java.time.LocalDate;
                                                                                                                                                                                                                                                                                                                   Machine Property P
                                                                                       import javax.validation.constraints.FutureOrPresent;
                                                                                 5

▼ # com.infy.hospitalmanage

                                                                                       import javax.validation.constraints.NotNull;
            ▶ № PatientAPI.java
                                                                                 8
                                                                                       import javax.validation.constraints.Pattern;

    com.infy.hospitalmanage

                                                                                 9
            PatientDTO.java
                                                                                       import com.infy.hospitalmanagement.entity.Patient;
                                                                               10

▼ # com.infy.hospitalmanage

                                                                               12
                                                                                       public class PatientDTO {
            ▶ 🖪 Patient.java
                                                                              13

▼ # com.infy.hospitalmanage

                                                                                                 private Integer patientId;
@NotNull(message = "{patient.name.notpresent}")
                                                                               14
            PatientAdmissionExce
                                                                               158
                                                                                                  @Pattern(regexp = "[A-Za-z]*( [A-Za-z]*)*", message = "{patient.name.invalid}")
                                                                               16
      ▶ # com.infy.hospitalmanage
                                                                               17
                                                                                                  private String patientName;
                                                                                                  @NotNull(message="{patient.gender.notpresent}")
@Pattern(regexp = "(Male|Female|Others)", message="{patient.gender.invalid}")
      ▶ Æ com.infy.hospitalmanage
                                                                               189
                                                                               19
      ▶ # com.infy.hospitalmanage
                                                                               20
                                                                                                  private String gender;
      # > com.infy.hospitalmana
                                                                               21
                                                                                                  private LocalDate dateOfBirth;

    PatientValidator.java

                                                                               22
                                                                                                  @NotNull(message="{patient.admissiondate.notpresent}")
                                                                               239
▼ # src/main/resources
                                                                                                  @FutureOrPresent(message = "{patient.admissiondate.invalid}")
                                                                               24
                                                                                                  private LocalDate admissionDate;
           application.properties
                                                                               25
                                                                                                  @NotNull(message="{patient.diagnosis.notpresent}")
@Pattern(regexp = "[A-Za-z0-9]+", message="{patient.diagnosis.invalid}")
                                                                               26∋
          🖪 HospitalManagement_Tal
                                                                               27
           log4j2.properties
                                                                               28
                                                                                                  private String diagnosis;
                                                                               29
           NalidationMessages.prop
                                                                                                  public Integer getPatientId() {
                                                                               30⊝
▶ # src/test/java
                                                                                                            return patientId;
                                                                               31
  RE System Library (Javass
                                                                               32
                                                                              33
  Maven Dependencies
                                                                                                  public void setPatientId(Integer patientId) {
                                                                               34⊝
```

package com.infy.hospitalmanagement.dto;

