/com/accenture/lkm/business/bean/ComplaintBean.java - Eclipse 172.31.74.40

Project Run Window Help

Quick Access

UserControl... | ComplaintSe... | ComplaintBe... | ComplaintDao... | ComplaintDao... | ComplaintTyp... | ComplaintReg... | orm.xml

```
1  package com.accenture.lkm.business.bean;
2
3⊕ import java.util.Date;
10
11 public class ComplaintBean {
12
13     /**
14      To-Do Item 1.12: Use Spring MVC standard validation
15      TODO:
16          -- Ensure customerName,dateOfIncidence, amount and complaintTypeId is a mandatory field.
17          -- Validate dateOfIncidence to be in format of dd-MMM-yyyy
18          -- Validate dateOfIncidence to be the past date
19      */
20     private Integer complaintId;
21
22     @NotEmpty
23     private String customerName;
24     private String description;
25
26     @NotNull
27     @DateTimeFormat(pattern = "dd-MMM-yyyy")
28     @Past
29     private Date dateOfIncidence;
30
31     @NotNull
32     private Double amount;
```

Problems | Javadoc | Declaration | Console

No consoles to display at this time.

```
32      private Double amount;
33
34      @NotNull
35      private Integer complaintTypeId;
36
37      public Integer getComplaintId() {
38          return complaintId;
39      }
40
41      public void setComplaintId(Integer complaintId) {
42          this.complaintId = complaintId;
43      }
44
45      public String getCustomerName() {
46          return customerName;
47      }
48
49      public void setCustomerName(String customerName) {
50          this.customerName = customerName;
51      }
52
53
54      public Integer getComplaintTypeId() {
55          return complaintTypeId;
56      }
57
58      public void setComplaintTypeId(Integer complaintTypeId) {
```

src/com/accenture/lkm/ 172.31.74.40

Project Run Window Help

Quick Access

ComplaintSe... | ComplaintBe... | ComplaintTyp... | ComplaintDao... | ComplaintDao... | ComplaintTyp... | ComplaintReg... | orm.xml

```java
package com.accenture.lkm.business.bean;

public class ComplaintTypeBean {

    private Integer complaintTypeId;
    private String complaintTypeName;

    public Integer getComplaintTypeId() {
        return complaintTypeId;
    }

    public void setComplaintTypeId(Integer complaintTypeId) {
        this.complaintTypeId = complaintTypeId;
    }

    public String getComplaintTypeName() {
        return complaintTypeName;
    }

    public void setComplaintTypeName(String complaintTypeName) {
        this.complaintTypeName = complaintTypeName;
    }

}
```

Problems | Javadoc | Declaration | Console

No consoles to display at this time.

New folder - HON_JagoGrahakParticipant/src/com/accenture/lkm/ 172.31.74.40

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- Demo_20012_SpringJPAData_All_CRUD
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    - com.accenture.lkm.service
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  - Web App Libraries
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  - JRE System Library [java-1.8.0-openj
  - build

ComplaintBe... | ComplaintTyp... | DateRangeBe... | ComplaintDao... | ComplaintDao... | ComplaintTyp... | ComplaintReg... | orm.xml

```
1  package com.accenture.lkm.business.bean;
2
3  import java.util.Date;
6
7  public class DateRangeBean {
8      @DateTimeFormat(pattern = "dd-MMM-yyyy")
9      private Date fromDate;
10     @DateTimeFormat(pattern = "dd-MMM-yyyy")
11     private Date toDate;
12
13     public Date getFromDate() {
14         return fromDate;
15     }
16
17     public void setFromDate(Date fromDate) {
18         this.fromDate = fromDate;
19     }
20
21     public Date getToDate() {
22         return toDate;
23     }
24
25     public void setToDate(Date toDate) {
26         this.toDate = toDate;
27     }
28
```

Problems Javadoc Declaration Console

No consoles to display at this time.

/com/accenture/lkm/ 172.31.74.40

Project Run Window Help

Quick Access

ComplaintBe... | ComplaintTyp... | DateRangeBe... | ComplaintDao... | ComplaintDao... | ComplaintTyp... | ComplaintReg... | orm.xml

```
1  package com.accenture.lkm.dao;
2
3  import org.springframework.data.jpa.repository.Query;
8
9  @RepositoryDefinition(idClass = Integer.class,domainClass = ComplaintEntity.class)
10 @Transactional(value = "txManager")
11 public interface ComplaintDao {
12     public ComplaintEntity save(ComplaintEntity complaintEntity);
13
14     /**
15     This method is retrieving Complaint details where the customerName and the complaintTypeId is matching to the give
16     */
17     @Query(name="getCustomerByComplaintType")
18     public Complaint Entity getCustomerByComplaintType(String customerName,int complaintTypeId);
19 }
20
21
```

Problems | Javadoc | Declaration | Console

No consoles to display at this time.

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New folder - HON_JagoGrahakParticipant/src/com/accenture/lkm/dao/ComplaintDaoWrapper.java - Eclipse 172.31.74.40

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Quick Access

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  - test
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  - JRE System Library [java-1.8.0-openj
  - build

ComplaintBe... | ComplaintTyp... | DateRangeBe... | ComplaintDao... | ComplaintDao... | ComplaintTyp... | ComplaintReg... | orm.xml

```
1  package com.accenture.lkm.dao;
2
3⊕ import java.util.ArrayList;
20
21 @Repository
22 @Transactional(value = "txManager")
23 public class ComplaintDaoWrapper {
24
25⊖     @Autowired
26      private ComplaintDao complaintDao;
27
28⊖     @Autowired
29      private ComplaintTypeDao complaintTypeDao;
30
31⊖     @PersistenceContext
32      private EntityManager manager;
33
34⊖     /**
35       *  To-Do Item 1.3: This method should register complaint details.
36       *          NOTE:This requirement needs to be implemented using Spring JPA Data.
37       *
38       * Steps to Implement:
39       * 1. Create a new ComplaintEntity object.
40       * 2. Copy properties from the ComplaintBean to the Complaint Entity using BeanUtils.copyProperties().
41       * 3. Save the ComplaintEntity by calling appropriate method from complaintDao.
42       *
```

Problems | Javadoc | Declaration | Console

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New folder - HON_JagoGrahakParticipant/src/com/accenture/lkm/ 172.31.74.40

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Package E... Navigator JUnit

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      - ComplaintDao.java
      - ComplaintDaoWrapper.java
      - ComplaintTypeDao.java
    - com.accenture.lkm.entity
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    - com.accenture.lkm.service
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ComplaintBe... | ComplaintTyp... | DateRangeBe... | ComplaintDao... | ComplaintDao... | ComplaintTyp... | ComplaintReg... | orm.xml

Line: 49

```
37      *
38      * Steps to Implement:
39      * 1. Create a new ComplaintEntity object.
40      * 2. Copy properties from the ComplaintBean to the ComplaintEntity using BeanUtils.copyProperties().
41      * 3. Save the ComplaintEntity by calling appropriate method from complaintDao.
42      *
43      * @param complaintBean The ComplaintBean containing details of the complaint.
44      * @return complaint id.
45      */
46     public int registerComplaintDetails(ComplaintBean complaintBean) {
47         // Your implementation goes here
48         ComplaintEntity ent = new ComplaintEntity();
49         BeanUtils.copyProperties(complaintBean, ent);
50         ent=complaintDao.save(ent);
51
52         int id=ent.getComplaintId();
53
54         return id;
55     }
56
57     /**
58      * To-Do Item 1.4: This method should Retrieve complaint details by date range.
59      *          NOTE:This requirement needs to be implemented using using JPA EntityManager.
60      *
61      * Steps to Implement:
62      * 1. Create a named query "getComplaintDetailsByDate" using the entity manager.
```

Problems | Javadoc | Declaration | Console

No consoles to display at this time.

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Project Run Window Help

Quick Access

ComplaintBe... | ComplaintTyp... | DateRangeBe... | ComplaintDao... | ComplaintDao... | ComplaintTyp... | ComplaintReg... | orm.xml

```
56
57      /**
58       * To-Do Item 1.4: This method should Retrieve complaint details by date range.
59       *          NOTE:This requirement needs to be implemented using using JPA EntityManager.
60       *
61       * Steps to Implement:
62       * 1. Create a named query "getComplaintDetailsByDate" using the entity manager.
63       * 2. Set parameters in the query for fromDate and toDate.
64       * 3. Execute the query using getResultList() to get a list of ComplaintEntity.
65       * 4. Iterate over the entities, copy properties to ComplaintBean, and add to the list.
66       * 5. Return the list of ComplaintBean.
67       *
68       * @param fromDate The start date of the date range.
69       * @param toDate The end date of the date range.
70       * @return List of ComplaintBean within the specified date range.
71       */
72
73      public List<ComplaintBean> getComplaintDetailsByDate(Date fromDate, Date toDate) {
74          // Your implementation goes here
75          Query query = manager.createNamedQuery("getCustomerByComplaintDates");
76          query.setParameter(1, fromDate);
77          query.setParameter(2, toDate);
78          List<ComplaintEntity> resultList = query.getResultList();
79          if(!resultList.isEmpty()) {
80              List<ComplaintBean> beanList = new ArrayList<ComplaintBean>();
81              for(ComplaintEntity ent : resultList) {
82                  ComplaintBean bean = new ComplaintBean();
```

Line: 62

Problems | Javadoc | Declaration | Console

No consoles to display at this time.

New folder - HON_JagoGrahakParticipant/src/com/accenture/lkm/

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      - ComplaintDaoWrapper.java
      - ComplaintTypeDao.java
    - com.accenture.lkm.entity
    - com.accenture.lkm.resources
    - com.accenture.lkm.service
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ComplaintBe... | ComplaintTyp... | DateRangeBe... | ComplaintDao... | ComplaintDao... | ComplaintTyp... | ComplaintReg... | orm.xml

```
67      *
68      * @param fromDate The start date of the date range.
69      * @param toDate The end date of the date range.
70      * @return List of ComplaintBean within the specified date range.
71      */
72
73      public List<ComplaintBean> getComplaintDetailsByDate(Date fromDate, Date toDate) {
74          // Your implementation goes here
75          Query query = manager.createNamedQuery("getCustomerByComplaintDates");
76          query.setParameter(1, fromDate);
77          query.setParameter(2, toDate);
78          List<ComplaintEntity> resultList = query.getResultList();
79          if(!resultList.isEmpty()) {
80              List<ComplaintBean> beanList = new ArrayList<ComplaintBean>();
81              for(ComplaintEntity ent : resultList) {
82                  ComplaintBean bean = new ComplaintBean();
83                  BeanUtils.copyProperties(ent, bean);
84                  beanList.add(bean);
85              }
86              return beanList;
87          }else {
88              return null;
89          }
90      }
91
92      /**
```

Line: 62

Problems | Javadoc | Declaration | Console

No consoles to display at this time.

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New folder - HON_JagoGrahakParticipant/src/com/accenture/lkm/

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Package E... Navigator JUnit

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      - ComplaintDaoWrapper.java
      - ComplaintTypeDao.java
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ComplaintBe... | ComplaintTyp... | DateRangeBe... | ComplaintDao... | ComplaintDao... | ComplaintTyp... | ComplaintReg... | orm.xml

```
90      }
91
92      /**
93       * To-Do Item 1.5: This method should Retrieve all complaint types.
94       *          NOTE:This requirement needs to be implemented using using Spring JPA Data.
95       *
96       * Steps to Implement:
97       * 1. Retrieve all ComplaintTypeEntity by calling appropriate method from complaintTypeDao.
98       * 2. Iterate over the entities, copy properties to ComplaintTypeBean, and add to the list.
99       * 3. Return the list of ComplaintTypeBean.
100      *
101      * @return List of all ComplaintTypeBean.
102      */
103     public List<ComplaintTypeBean> getAllComplaintTypes() {
104         // Your implementation goes here
105         List<ComplaintTypeEntity> list = complaintTypeDao.findAll();
106         List<ComplaintTypeBean> beanList = new ArrayList<>();
107         for (ComplaintTypeEntity ent : list) {
108             ComplaintTypeBean bean = new ComplaintTypeBean();
109             BeanUtils.copyProperties(ent, bean);
110             beanList.add(bean);
111         }
112         return beanList;
113     }
114
115     /**
116      * This method should Check if a customer has a complaint of a specific type.
```

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Problems | Javadoc | Declaration | Console

No consoles to display at this time.

New folder - HON_JagoGrahakParticipant/src/com/accenture/lkm/... 172.31.74.40

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Package E... Navigator JUnit

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      - ComplaintDao.java
      - ComplaintDaoWrapper.java
      - ComplaintTypeDao.java
    - com.accenture.lkm.entity
    - com.accenture.lkm.resources
    - com.accenture.lkm.service
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ComplaintBe... | ComplaintTyp... | DateRangeBe... | ComplaintDao... | ComplaintDao... | ComplaintTyp... | ComplaintReg... | orm.xml

```
            BeanUtils.copyProperties(ent, bean);
            beanList.add(bean);
        }
        return beanList;
    }

    /**
     * This method should Check if a customer has a complaint of a specific type.
     *
     * @param customerName The name of the customer.
     * @param complaintTypeId The ID of the complaint type.
     * @return 1 if the customer has a complaint of the specified type, 0 otherwise.
     */
    public int getCustomerByComplaintType(String customerName, int complaintTypeId) {
        ComplaintEntity complaintEntity = complaintDao.getCustomerByComplaintType(customerName, complaintTypeId);
        if(complaintEntity!=null) {
            return 1;
        }
        else {
            return 0;
        }

    }

}
```

Problems | Javadoc | Declaration | Console

No consoles to display at this time.

New folder - HON_JagoGrahakParticipant/src/com/accenture/lkm/ 172.31.74.40

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Package E... Navigator JUnit

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    - com.accenture.lkm.service
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      - ComplaintReportController.java
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ComplaintBe... | ComplaintTyp... | DateRangeBe... | ComplaintDao... | ComplaintDao... | ComplaintTyp... | ComplaintReg... | orm.xml

```
1  package com.accenture.lkm.dao;
2
3
4  import java.util.List;
10
11 /**
12 To-Do Item 1.2: Define a custom repository for managing ComplaintTypes.
13     TODO:
14     --Use custom repository.
15     --Add a method to get all ComplaintTypes details from the database.
16 */
17 @RepositoryDefinition(idClass = Integer.class,domainClass = ComplaintTypeEntity.class)
18 @Transactional(value = "txManager")
19 public interface ComplaintTypeDao {
20
21     List<ComplaintTypeEntity> findAll();
22
23 }
24
```

Problems | Javadoc | Declaration | Console

No consoles to display at this time.

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/src/com/accenture/lkm/ 172.31.74.40

ch Project Run Window Help

Quick Access

ComplaintTyp... DateRangeBe... ComplaintEn... ComplaintTyp... ComplaintSe... ComplaintDao... ComplaintDao... ComplaintTyp...

```
1  package com.accenture.lkm.service;
2
3⊕ import java.util.Date;
8
9  public interface ComplaintService {
10
11     public int registerComplaintDetails(ComplaintBean complaintBean) throws Exception;
12     public List<ComplaintBean> getComplaintDetailsByDate(Date fromDate,Date toDate);
13     public Map<Integer,String> getAllComplaintTypes();
14
15 }
16
```

Problems Javadoc Declaration Console

No consoles to display at this time.

New folder - HON_JagoGrahakParticipant/src/com/accenture/lkm/

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      - ComplaintDaoWrapper.java
      - ComplaintTypeDao.java
    - com.accenture.lkm.entity
      - ComplaintEntity.java
      - ComplaintTypeEntity.java
    - com.accenture.lkm.resources
    - com.accenture.lkm.service
      - ComplaintService.java
      - ComplaintServiceImpl.java
    - com.accenture.lkm.web.controller
      - ComplaintRegisterController.jav
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- JarForSpringJPA

ComplaintSe... | DateRangeBe... | ComplaintEn... | ComplaintTyp... | ComplaintSe... | ComplaintDao... | ComplaintDao... | ComplaintTyp...

```
1  package com.accenture.lkm.service;
2
3⊕ import java.util.Date;
14
15 @Service
16 public class ComplaintServiceImpl implements ComplaintService {
17
18⊖     @Autowired
19      private ComplaintDaoWrapper complaintDaoWrapper;
20
21⊖     /**
22       *
23       * To-Do Item 1.6: This method should register complaint details.
24       *
25       * Steps to Implement:
26       * 1. Call complaintDaoWrapper.getCustomerByComplaintType() to check if the customer has already submitted a compl
27       * 2. If count is 1, throw an Exception with a message indicating that the customer has already submitted a compla
28       * 3. Otherwise, call complaintDaoWrapper.registerComplaintDetails() to register the complaint details.
29       *
30       * @param complaintBean The ComplaintBean containing details of the complaint.
31       * @throws Exception if the customer has already submitted a complaint with the same type.
32       */
33⊖     public int registerComplaintDetails(ComplaintBean complaintBean) throws Exception {
34          // Your implementation goes here
35          //int customerId = complaintDaoWrapper.getCustomerByComplaintType(complaintBean.getCustomerName(),complaintBea
36
```

Problems | Javadoc | Declaration | Console

No consoles to display at this time.

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Project Run Window Help

Quick Access

ComplaintSe... | DateRangeBe... | ComplaintEn... | ComplaintTyp... | ComplaintSe... | ComplaintDao... | ComplaintDao... | ComplaintTyp...

```
     * Steps to Implement:
     * 1. Call complaintDaoWrapper.getCustomerByComplaintType() to check if the customer has already submitted a compl
     * 2. If count is 1, throw an Exception with a message indicating that the customer has already submitted a compla
     * 3. Otherwise, call complaintDaoWrapper.registerComplaintDetails() to register the complaint details.
     *
     * @param complaintBean The ComplaintBean containing details of the complaint.
     * @throws Exception if the customer has already submitted a complaint with the same type.
     */
    public int registerComplaintDetails(ComplaintBean complaintBean) throws Exception {
        // Your implementation goes here
        //int customerId = complaintDaoWrapper.getCustomerByComplaintType(complaintBean.getCustomerName(),complaintBea

        int customerId=complaintDaoWrapper.getCustomerByComplaintType(complaintBean.getCustomerName(), complaintBean.g
        if(customerId == 1) {
            throw new Exception("customer has already submitted a complaint with the same type");
        }else {
            return complaintDaoWrapper.registerComplaintDetails(complaintBean);
        }
    }

    /**
     * To-Do Item 1.7: This method should retrieve complaint details by date range.
     *
     * Steps to Implement:
     * 1. Call complaintDaoWrapper.getComplaintDetailsByDate() to retrieve complaint details within the specified date
     *
     * @param fromDate The start date of the date range.
```

Problems | Javadoc | Declaration | Console

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```java
    /**
     * To-Do Item 1.7: This method should retrieve complaint details by date range.
     *
     * Steps to Implement:
     * 1. Call complaintDaoWrapper.getComplaintDetailsByDate() to retrieve complaint details within the specified date
     *
     * @param fromDate The start date of the date range.
     * @param toDate The end date of the date range.
     * @return List of ComplaintBean within the specified date range.
     */
    @Override
    public List<ComplaintBean> getComplaintDetailsByDate(Date fromDate, Date toDate) {
        // Your implementation goes here
        return complaintDaoWrapper.getComplaintDetailsByDate(fromDate, toDate);
    }

    /**
     * To-Do Item 1.8: This method should retrieve all complaint types.
     *
     * Steps to Implement:
     * 1. Call complaintDaoWrapper.getAllComplaintTypes() to retrieve all complaint types.
     * 2. Iterate over the list of ComplaintTypeBean and construct a map of complaint type IDs to names.
     *
     * @return Map<Integer, String> containing complaint type IDs mapped to their names.
     */
    @Override
```

Problems Javadoc Declaration Console

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Writable Smart Insert 75 : 45

New Folder - HON_JagoGrahakParticipant/src/com/accenture/lkm/ 172.31.74.40

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ComplaintSe... | DateRangeBe... | ComplaintEn... | ComplaintTyp... | ComplaintSe... | ComplaintDao... | ComplaintDao... | ComplaintTyp...

```
56      public List<ComplaintBean> getComplaintDetailsByDate(Date fromDate, Date toDate) {
57          // Your implementation goes here
58          return complaintDaoWrapper.getComplaintDetailsByDate(fromDate, toDate);
59      }
60
61      /**
62       * To-Do Item 1.8: This method should retrieve all complaint types.
63       *
64       * Steps to Implement:
65       * 1. Call complaintDaoWrapper.getAllComplaintTypes() to retrieve all complaint types.
66       * 2. Iterate over the list of ComplaintTypeBean and construct a map of complaint type IDs to names.
67       *
68       * @return Map<Integer, String> containing complaint type IDs mapped to their names.
69       */
70      @Override
71      public Map<Integer, String> getAllComplaintTypes() {
72          // Your implementation goes here
73          List<ComplaintTypeBean> list = complaintDaoWrapper.getAllComplaintTypes();
74          Map<Integer, String> map = new HashMap<>();
75          for(ComplaintTypeBean bean : list) {
76              map.put(bean.getComplaintTypeId(), bean.getComplaintTypeName());
77          }
78          return map;
79      }
80  }
81
```

Line: 77

Problems | Javadoc | Declaration | Console

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ComplaintSe... | ComplaintEn... | ComplaintTyp... | ComplaintSe... | ComplaintDao... | ComplaintDao... | ComplaintTyp... | ComplaintReg...

```
1  package com.accenture.lkm.web.controller;
2
3  import java.util.Map;
18
19 @Controller
20 public class ComplaintRegisterController {
21
22     @Autowired
23     private ComplaintService complaintService;
24
25     /**
26      * This method is used to load the complaint form page.
27      *
28      * @return ModelAndView object for the complaint form page.
29      */
30     @RequestMapping(value="/loadComplaintPage")
31     public ModelAndView loadComplaintForm() {
32         // Your implementation goes here
33         return new ModelAndView("ComplaintPage", "complaintBean", new ComplaintBean());
34     }
35
36     /**
37      * To-Do Item 1.9: This method is used to process the submitted complaint form and save the Complaint Details.
38      *
39      * Steps to Implement:
40      * 1. Map the URL to /complaintForm.
```

Problems | Javadoc | Declaration | Console

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ComplaintSe... | ComplaintEn... | ComplaintTyp... | ComplaintSe... | ComplaintDao... | ComplaintDao... | ComplaintTyp... | ComplaintReg...

```
29      */
30     @RequestMapping(value="/loadComplaintPage")
31     public ModelAndView loadComplaintForm() {
32          // Your implementation goes here
33         return new ModelAndView("ComplaintPage", "complaintBean", new ComplaintBean());
34     }
35
36     /**
37      * To-Do Item 1.9: This method is used to process the submitted complaint form and save the Complaint Details.
38      *
39      * Steps to Implement:
40      * 1. Map the URL to /complaintForm.
41      * 2. Check if there are any validation errors in the form submission result.
42      * 3. If there are validation errors, set the view name to "ComplaintPage" and return ModelAndView object.
43      * 4. If there are no validation errors, call complaintService.registerComplaintDetails() to register the compla
44      * 5. Set the view name to "Success" and add a success message "Hi <<customerName>>  your complaint is successful
45      *
46      * @param complaintBean The ComplaintBean containing the submitted complaint details.
47      * @param result The BindingResult containing the validation errors, if any.
48      * @return ModelAndView object with appropriate view and message based on form processing.
49      * @throws Exception if there is an error during complaint registration.
50      */
51     @RequestMapping(value="/complaintForm", method=RequestMethod.POST)
52     public ModelAndView processComplaintForm(@Valid @ModelAttribute("complaintBean") ComplaintBean bean,BindingResul
53          // Your implementation goes here
54         if(result.hasErrors()) {
55             ModelAndView modelAndView = new ModelAndView();
```

Problems | Javadoc | Declaration | Console

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ComplaintSe... | ComplaintEn... | ComplaintTyp... | ComplaintSe... | ComplaintDao... | ComplaintDao... | ComplaintTyp... | ComplaintReg...

```
45      *
46      * @param complaintBean The ComplaintBean containing the submitted complaint details.
47      * @param result The BindingResult containing the validation errors, if any.
48      * @return ModelAndView object with appropriate view and message based on form processing.
49      * @throws Exception if there is an error during complaint registration.
50      */
51     @RequestMapping(value="/complaintForm", method=RequestMethod.POST)
52     public ModelAndView processComplaintForm(@Valid @ModelAttribute("complaintBean") ComplaintBean bean,BindingResult
53         // Your implementation goes here
54         if(result.hasErrors()) {
55             ModelAndView modelAndView = new ModelAndView();
56             modelAndView.setViewName("ComplaintPage");
57             return modelAndView;
58
59             //return new ModelAndView("ComplaintPage", "complaintBean", bean);
60         }else {
61             ModelAndView modelAndView = new ModelAndView();
62             complaintService.registerComplaintDetails(bean);
63             modelAndView.setViewName("Success");
64 //          modelAndView.addObject("MESSAGE", "Hi "+complaintBean.getCustomerName()+" your complaint is successfully
65             modelAndView.addObject("MESSAGE", "Hi your complaint is successfully registered."+bean.getCustomerName())
66
67             return modelAndView;
68         }
69     }
70
```

Problems | Javadoc | Declaration | Console

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New folder - HON_JagoGrahakParticipant/src/com/accenture/lkm/web/controller/ComplaintRegisterController.java 172.31.74.40

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ComplaintSe... | ComplaintEn... | ComplaintTyp... | ComplaintSe... | ComplaintDao... | ComplaintDao... | ComplaintTyp... | ComplaintReg...

```
66
67              return modelAndView;
68          }
69      }
70
71      /**
72       * To-Do Item 1.10: This method should retrieve all complaint types and should populate all Complaint types dynar
73       *
74       * Steps to Implement:
75       * 1. Call complaintService.getAllComplaintTypes() to retrieve all complaint types.
76       * 2. Return the map of complaint types.
77       *
78       * @return Map<Integer, String> containing complaint type IDs mapped to their names.
79       */
80      @ModelAttribute("complaintTypes")
81      public Map<Integer, String> getAllComplaintTypes() {
82          // Your implementation goes here
83          return complaintService.getAllComplaintTypes();
84      }
85
86      /**
87       * To-Do Item 1.11: This method should handle common exceptions.
88       *
89       * Steps to Implement:
90       * 1. Create a ModelAndView object.
91       * 2. Set the view name to "GeneralizedExceptionHandlerPage".
92       * 3. Add the exception message and the exception itself as attributes to the ModelAndView object
```

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Quick Access

ComplaintSe... ComplaintEn... ComplaintTyp... ComplaintSe... ComplaintDao... ComplaintDao... ComplaintTyp... ComplaintReg...

```
80    @ModelAttribute("complaintTypes")
81    public Map<Integer, String> getAllComplaintTypes() {
82        // Your implementation goes here
83        return complaintService.getAllComplaintTypes();
84    }
85
86    /**
87     * To-Do Item 1.11: This method should handle common exceptions.
88     *
89     * Steps to Implement:
90     * 1. Create a ModelAndView object.
91     * 2. Set the view name to "GeneralizedExceptionHandlerPage".
92     * 3. Add the exception message and the exception itself as attributes to the ModelAndView object.
93     * 4. Return the ModelAndView object.
94     *
95     * @param exception The exception to handle.
96     * @return ModelAndView object for displaying exception details.
97     */
98    @ExceptionHandler(value=Exception.class)
99    public ModelAndView handleAllExceptions(Exception exception) {
100       // Your implementation goes here
101       ModelAndView modelAndView = new ModelAndView();
102       modelAndView.setViewName("GeneralizedExceptionHandlerPage");
103       modelAndView.addObject("message","Exception");
104       return modelAndView;
105   }
```

Problems Javadoc Declaration Console

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c/META-INF/orm.xml 172.31.74.40

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ComplaintSe... ComplaintEn... ComplaintTyp... ComplaintSe... ComplaintDao... ComplaintTyp... ComplaintReg... orm.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<entity-mappings version="1.0"
    xmlns="http://java.sun.com/xml/ns/persistence/orm"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://java.sun.com/xml/ns/persistence/orm http://java.sun.com/xml/ns/persistence/orm_1_0.xsd


    <!-- To-Do Item 1.1: Define JPQL query.
        TODO:
        - Define a valid JPQL query to fetch all Complaint details where the dateOfIncidence is between the two given
     -->
     <named-query name="getCustomerByComplaintDates">
        <query>Select c from ComplaintEntity c where c.dateOfIncidence between  ?1 and ?2 </query>
    </named-query>

     <!--
     This JPQL query fetches the Complaint details where the customerName and the complaintTypeId is matching to the
     -->
     <named-query name="getCustomerByComplaintType">
        <query>Select c from ComplaintEntity c where c.customerName = ?1 and c.complaintTypeId = ?2 </query>
    </named-query>
</entity-mappings>
```

Design Source

Problems Javadoc Declaration Console

No consoles to display at this time.