

## Exercise: Custom JSP Pages

Development of Custom Pages requires a larger commitment from the developer. This lab examines the custom Policy Summary page and its components.

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### **Exercise 1: Show applicant email and rating classifications data in Policy Summary page**

#### **Part 1 – Customize TDF pages (Transaction Request Processing)**

Create custom Display/Process servlets for the Policy Information page (note page reference in servlets below):

```
com.agencyport.workerscomp.servlets.CMDDisplaycoverage  
com.agencyport.workerscomp.servlets.CMDProcesscoverage
```

1. Override available custom methods (refer to PPT slide in previous lecture) retaining their “super” invocations
2. Add logging entries and breakpoints
3. Open a work item and navigate to Policy Information
4. Continue to next page
5. Return to Policy Information page and update data on the page
6. Notice any difference in entered methods

#### **Part 2 – Review the parts**

The primary files of interest:

```
com.agencyport.workerscomp.servlets.CMDDisplaypolicySummary  
com.agencyport.workerscomp.servlets.CMDProcesspolicySummary  
web/workerscomp/policySummary.jsp
```

1. Put some breakpoints into the executeCustomReadDataAccess() method in the CMDDisplaypolicySummary Servlet
2. Identify how data is retrieved from apData and bundled in a java container to be sent to the page.
3. Identify where the Request Dispatcher is set to forward to the appropriate JSP.

### Part 3 – Update the JSP

1. Display the applicant's email address in the Applicant Information section. Store and retrieve the data in the same way that other data on the page is handled.
2. On the Policy Summary page, add the class code information as shown below. The column headers are currently available. You will need to add the logic to iterate through the class code information.

Rate Class Information				
Location# 1 910 Iron Mine Hill Rd. North Smithfield, RI 02896				
ClassCode	ClassCode Description	Full Time Employees	Part Time Employees	Est. Annual Exposure
0106	Tree Pruning, Spraying, Repairing, Trimming Or Fumigating & Drivers	6	2	

  

Rate Class Information				
Location# 2 199 Clinton St. Woonsocket, RI 02895				
ClassCode	ClassCode Description	Full Time Employees	Part Time Employees	Est. Annual Exposure
0106	Tree Pruning, Spraying, Repairing, Trimming Or Fumigating & Drivers	3	1	

To implement this, you will use the provided `LocationAndRatingInfoHelper` class, which provides convenience methods for processing the `finalLocationAndRatingInfo`:

- get the `LocationAndRatingInfoIterator`
- for each `LocationAndRatingInfoDetails`, emit a table record w/ table data corresponding to the table headers above

To test this, add two or more Locations and two or more Rating Classifications per Location.

### Exercise 2: Show Premium value in the body of the Policy Summary page

**NOTE:** This builds on the Premium as computed by the `RatingServiceConnector` per `Connectors [Java]` lab.

1. Modify the existing `WorkersCompPolicySummary` class, add a class-level `String` "premium" member variable; add getter and setter methods for this member.

2. In the existing workerscomp ***com.agencyport.workerscomp.servlets*** ***.CMDDisplayPolicySummary*** class, get the RATING\_PREMIUM from the dataBundle and set the value in the WorkersCompPolicySummary class, using the setter method added in step #2. Do this in the *executeCustomReadDataAccess* method.
3. In the workerscomp policySummaryInclude.jsp file, add a new section (fieldset element) to output the premium on the page. Use the existing fieldsets as a guide, being sure to use the same HTML classes for consistency. Call the summary object getter method added in step #2 to get the premium. Do not show the section if the premium is empty.
4. Deploy the updates. Open a workitem and choose the Policy Summary page in the menu. You should see your premium value in the new section.