Exercise: Product Definition Views

In this lab we'll use views to change the appearance of data on the UI. In one scenario we'll create a friendlier roster experience, and in another we'll fix the issue that we talked about in the Option Lists lab where the Employer's Limit doesn't seem to stick.

XML-Based Labs

Both of these labs will use the **WorkersComp Full Quote Transaction**

Using a View in a roster Column

Currently the Locations page is a roster. However, in the grid all we see is Address Line 1. While this is informative, it's not informative enough.

The first lab in this packet is to make the additional fields in the `Addr` aggregate be displayed:

- `City`
- `StateProvCd`
- `PostalCode`

And when they are viewable `Addr1` and `City` should be separated by a space. `City` and `StateProvCd` should be separated by a comma. `StateProvCd` and `PostalCode` should be separated by a space.

There is already a view in use and it is fine to edit that view to complete the lab.

Using a View for an input field

There's a field "Policy Information" > "Employer's Limit" > "Employer's Liability Limit" that hasn't worked correctly since we started this training. No matter what value is selected in the list, nothing ever gets persisted to the APDataCollection. In fact, whenever the page interacts we get the following message in the log:

```
DELL6520-18 9999 APSDKTraining SEVERE 2012-10-03 22:41:02:00707
EDT 60E3408AB9BABD658060465763A06622 T1001:706 0:0:0:0:0:0:0:1
agent http-9999-Processor4
com.agencyport.data.apdata.StandardReader fillFieldsForRead
com.agencyport.domXML.APDOMFactory: e100 - Element name:
'WorkCompLineBusiness.CommlCoverage.Liability.Limit' not defined
in schema file:
'(asResource)schemas/acord/ap_acord_simplified.xsd'
```

There are two problems with this, though we'll deliberately only solve one:

- The `id` for the `fieldElement` is invalid according to the schema. ACORD does not allow there to be a `Liability` aggregate under the `CommlCoverage` aggregate. Note this for now, but do not fix it.
- If that was a valid path, we'd end up storing a value like "100000/100000/100000" there and that's not right. We want the SDK to split up that trinary and put each value in a separate place in the XML. This is the part that needs to be fixed. Create a View in the workersCompViews.xml file to achieve this.
    - For the View's `id` use:
      `"WorkCompLineBusiness.CommlCoverage[CoverageCd='WCEL'].Limit"`
    - For the View's `type` use `"standard"`
    - Those fields in the trinary should get split into the following three Limits based on the `LimitAppliesToCd`:
        - `WorkCompLineBusiness.CommlCoverage[CoverageCd='WCEL'].Limit[LimitAppliesToCd='DisEachEmpl'].FormatInteger`
        - `WorkCompLineBusiness.CommlCoverage[CoverageCd='WCEL'].Limit[LimitAppliesToCd='PerAcc'].FormatInteger`
        - `WorkCompLineBusiness.CommlCoverage[CoverageCd='WCEL'].Limit[LimitAppliesToCd='DisPol'].FormatInteger`
    - Apply the view to the `fieldElement`. There's an example in the deck if you forget the syntax.

Advanced

- With the View properly in place, what happened to our "e100" error from above? If something changed with regards to the "e100" error, why do you think that is?
- Go back to the `fieldElement` and make it optional (that is: remove the "`required=true`" from the `fieldElement`). What if you go back and change the value back to "Select One" and hit "Continue?" Does the "Select One" choice you made stick? Are the Limit aggregates still there? If so, update the View to purge the fields correctly.

Advanced

- Have a look at codeListRef's "`uninsured`" optionList and note that some values are CSLs (that is: there is no slash in them) and some values are split limits (that is: they have a slash in them).
- Update the `fieldElement` to use the "`uninsured`" list.
- Update the view you created to be of type "`mutuallyExclusiveFieldSets`"
- The CSL should go to the path
  `"WorkCompLineBusiness.CommlCoverage[CoverageCd='LLLL'].Limit.FormatInteger"`

Advanced

The Workers Comp Rating Classifications page shows Full-time and Part-time Employees (head count) values as separate columns. In this lab, you will combine these into a single "Full/Part-time" column.

- Add the view definition in the appropriate TDF view file

- For the view fields, use the xpaths specified in the current columns

- Choose an appropriate delimiter

- Comment out the existing columns and replace with a new single column that utilizes the view

    o   Refer to training material or other roster pages for syntax