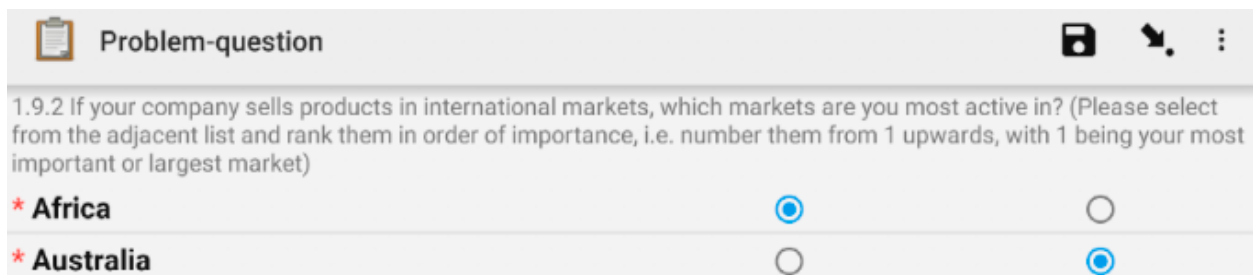


Details on Collect Issue 2041: Problem with field-list and constraints

1. Fill Blank Form Problem-question
2. XPathEqExpr objects are instantiated and deserialized from the FormDef:

```
XPathEqExpr: XPathEqExpr@e8c4b51()
XPathEqExpr: XPathEqExpr@e8c4b51.readExternal {path-expr:rel,{{step:self,node()}}},
{path-expr:abs,{{step:child,Problem-question},{step:child,rank_markets},
{step:child,Q1b}}}, false
XPathEqExpr: XPathEqExpr@254efb6()
XPathEqExpr: XPathEqExpr@254efb6.readExternal {path-expr:rel,{{step:self,node()}}},
{path-expr:abs,{{step:child,Problem-question},{step:child,rank_markets},
{step:child,Q1a}}}, false
```

3. Set the radio buttons as shown and swipe forward:







The screenshot shows a mobile application interface for a form titled "Problem-question". The question is "1.9.2 If your company sells products in international markets, which markets are you most active in? (Please select from the adjacent list and rank them in order of importance, i.e. number them from 1 upwards, with 1 being your most important or largest market)". There are two radio button options: "Africa" and "Australia". The "Africa" option is selected, indicated by a blue dot in the center of the radio button. The "Australia" option is not selected, indicated by an empty radio button.

4. eval is called on the XPathEqExprs

```
XPathEqExpr: XPathEqExpr@e8c4b51.eval starting. model: Problem-question, candidate: 1,
expecting equal: false
XPathPathExpr: getRefValue returning candidate value 1 for instance(Problem-question)/
Problem-question/rank_markets[1]/Q1a[1]
XPathPathExpr: getRefValue returning empty node value for instance(Problem-question)/
Problem-question/rank_markets[1]/Q1b[1]
XPathEqExpr: XPathEqExpr@e8c4b51.eval returning true. a: 1, b:
```

```
XPathEqExpr: XPathEqExpr@254efb6.eval starting. model: Problem-question, candidate: 2,
expecting equal: false
XPathPathExpr: getRefValue returning candidate value 2 for instance(Problem-question)/
Problem-question/rank_markets[1]/Q1b[1]
XPathPathExpr: getRefValue returning node value 1 for instance(Problem-question)/
Problem-question/rank_markets[1]/Q1a[1]
XPathEqExpr: XPathEqExpr@254efb6.eval returning true. a: 2, b: 1
```

5. Swipe back, set the radio buttons as shown and swipe forward:

 **Problem-question**   

1.9.2 If your company sells products in international markets, which markets are you most active in? (Please select from the adjacent list and rank them in order of importance, i.e. number them from 1 upwards, with 1 being your most important or largest market)

* Africa	<input type="radio"/>	<input checked="" type="radio"/>
* Australia	<input checked="" type="radio"/>	<input type="radio"/>

```
XPathEqExpr: XPathEqExpr@e8c4b51.eval starting. model: Problem-question, candidate: 2,
expecting equal: false
XPathPathExpr: getRefValue returning candidate value 2 for instance(Problem-question)/
Problem-question/rank_markets[1]/Q1a[1]
XPathPathExpr: getRefValue returning node value 2 for instance(Problem-question)/
Problem-question/rank_markets[1]/Q1b[1]
XPathEqExpr: XPathEqExpr@e8c4b51.eval returning false. a: 2, b: 2
```