

## Data XML Structure

The Questionnaire Editor allows specifying settings influencing the structure of the data XML. The general rule is that every repeatable composite element in the questionnaire template will generate a table in the data XML. There are special cases, however, such as using record pointers and data merging.

### Record pointer

In the Questionnaire Editor, it is possible to specify record pointers. Components in one panel, containing a record pointer will be transformed into a record pointer table in the data XML; the identifier of this table is a concatenation of the prefix "RekordmutatosTablazat\_" and the identifier of the containing composite element. Components with record pointers are always grouped inside the composite element, and will be inserted as separate table rows per record pointer. For instance, a free panel can be transformed into a table in the data XML with as many rows as there are different record pointers specified. This may be needed if within a single composite element, multiple components belonging to the same record pointer are to be inserted. An example is OSAP 1087. The structure in the data XML is as follows.

```
<tablazat>
  <azonosito>RekordmutatosTablazat_TAK_O</azonosito>
  <SOR panel="TAK_O"><azonosito>1</azonosito><adat>...</adat></SOR>
  <SOR panel="TAK_O"><azonosito>2</azonosito><adat>...</adat></SOR>
  <SOR panel="TAK_O"><azonosito>3</azonosito><adat>...</adat></SOR>
</tablazat>
```

### Data merging

The Data Merging property can also be specified for composite elements. This setting imposes a restriction on the structure of the data XML; it causes a single table to be created from the given composite element and all contained components. The identifier of this table is a concatenation of the prefix "OsszevontTablazat\_" and the identifier of the composite element marked for data merging. Using data merging helps the personalization process in cases when from personalization point of view, a single table has to be created, but it is split into multiple composite components in the questionnaire in order to make grouping or calculations easier, or for other reasons. Data merging cannot be nested, i.e. it cannot be set for children of a panel already marked for data merging. The structure in the data XML is as follows.

```
<tablazat>
  <azonosito>OsszevontTablazat_FuggolegesPanel1</azonosito>
  <SOR panel="TABLA1"><adat>...</adat></SOR>
  <SOR panel="TABLA1"><adat>...</adat></SOR>
  <SOR panel="TABLA1"><adat>...</adat></SOR>
  <SOR panel="TABLA2"><adat>...</adat></SOR>
  <SOR panel="TABLA2"><adat>...</adat></SOR>
</tablazat>
```

If one or more of the panels to be merged uses a data pointer, the rules of dealing with record pointers is followed, i.e. the record pointer property is not indicated in the data XML; instead, the value of the record pointer appears in the identifier of the corresponding row.

```
<tablazat>
  <azonosito>OsszevontTablazat_FuggolegesPanel1</azonosito>
  <sor panel="TAK"><adat>...</adat></SOR>
  <sor panel="TAK"><adat>...</adat></SOR>
  <sor panel="TAK_O"><azonosito>1</azonosito><adat>...</adat></SOR>
  <sor panel="SZA"><adat>...</adat></SOR>
  <sor panel="SZA"><adat>...</adat></SOR>
  <sor panel="SZA_O"><azonosito>2</azonosito><adat>...</adat></SOR>
</tablazat>
```

In the example above, the TAK\_O and the SZA\_O panels have record pointers.