

Multi-level lists

Schema: EAC-CPF 2.0

Context: Using multi-level lists in the context of narrative description to convey more complex structures.

Description: Next to allowing for the use of repeated `<item>` elements to create simple lists, the element `<list>` can also be used recursively, i.e. `<list>` can also include another `<list>`. Such multi-level lists can be of help when encoding more complex structures, e.g. a table of content of a person's main publication in `<biogHist>` or in `<generalContext>`, or a family tree or an organizational chart in the context of `<structureOrGenealogy>`. Depending on the use case, there might be `<item>` and `<list>` elements next to each other within `<list>`, e.g. when representing the person being described as an `<item>` and including their children as `<item>`-s within a nested `<list>` on the same level. Especially with multi-level lists, the use of the optional element `<head>` would be recommended to indicate the relation of each nested `<list>` to their parent `<list>` or to the main `<list>` overall.

Examples

```
<cpfDescription>
  <identity>
    <entityType value="person"/>
    <nameEntry>
      <part localType="firstname">Johan Sebastian</part>
      <part localType="lastname">Bach</part>
    </nameEntry>
  </identity>
  <description>
    <!-- [...] -->
    <structureOrGenealogy>
      <!-- [...] -->
      <list listType="unordered">
        <head>Children of Johann Sebastian Bach and Maria
Barbara Bach</head>
        <item>Catharina Dorothea Bach</item>
        <item>Wilhelm Friedemann Bach</item>
        <list>
          <head>Children of Wilhelm Friedemann Bach</head>
          <item>Friederica Sophia Bach</item>
          <item>Two sons who did not live past
infancy</item>
        </list>
        <item>Carl Philipp Emanuel Bach</item>
        <list>
          <head>Children of Carl Philipp Emanuel Bach</head>
          <item>Johann Adam Bach</item>
          <item>Anna Carolina Philippina Bach</item>
          <item>Johann Sebastian Bach ("the Younger")</item>
          <item>Other children who did not live to
adulthood</item>
```

```

        </list>
        <item>Johann Gottfried Bernhard Bach</item>
        <item>Three more children who did not live to
their first birthday</item>
        </list>
        <list listType="unordered">
        <head>Children of Johann Sebastian Bach and Anna
Magdalena Wilcken</head>
        <item>Gottfried Heinrich Bach</item>
        <item>Johann Christoph Friedrich Bach</item>
        <list>
        <head>Children of Johann Christoph Friedrich
Bach</head>
        <item>Anna Philippiana Friederica Bach</item>
        <item>Wilhelm Friedrich Ernst Bach</item>
        <list>
        <head>Children of Wilhelm Friedrich Ernst
Bach</head>
        <item>Carolina Auguste Wilhelmine Bach</item>
        <item>Juliane Friederica Bach</item>
        </list>
        <item>Christine Luise Bach</item>
        </list>
        <item>Johann Christian Bach</item>
        <item>Elisabeth Juliane Friederica Bach</item>
        <list>
        <head>Children of Elisabeth Juliane Friederica
Bach</head>
        <item>Johann Sebastian Altnickol</item>
        </list>
        <item>Johanna Carolina Bach</item>
        <item>Regina Susanna Bach</item>
        <item>Six more children who did not live to
adulthood</item>
        </list>
        </structureOrGenealogy>
        </description>
</cpfDescription>

```

```

<cpfDescription>
  <identity>
    <entityType value="person"/>
    <nameEntry>
      <part localType="firstname">Charles Robert</part>
      <part localType="lastname">Darwin</part>
    </nameEntry>
  </identity>
  <description>
    <!-- [...] -->
    <generalContext>
      <!-- [...] -->
    </generalContext>
  </description>
</cpfDescription>

```

```

<list listType="unordered">
  <head>The Origins of Species by Means of Natural
Selection or The Preservation of
  Favoured Races in the Struggle of Life, 6th edition,
with additions and corrections, 1873
  </head>
  <item>Additions and corrections, to the sixth
edition</item>
  <item>Historical sketch</item>
  <item>Introduction</item>
  <item>Chapter I – Variation under Domestication</item>
  <list>
    <item>Causes of Variability</item>
    <item>Effects of Habit and the use or disuse of
Parts</item>
    <item>Correlated Variation</item>
    <item>Inheritance</item>
    <item>Character of Domestic Varieties</item>
    <item>Difficulty of distinguishing between
Varieties and Species</item>
    <item>Origin of Domestic Varieties from one or
more Specie</item>
    <item>Domestic Pigeons, their Differences and
Origin</item>
    <item>Principles of Selection, anciently followed,
their Effects</item>
    <item>Methodical and Unconscious Selection</item>
    <item>Unknown Origin of our Domestic
Productions</item>
    <item>Circumstances favourable to Man's power of
Selection</item>
  </list>
  <item>Chapter II – Variation under Nature</item>
  <list>
    <!-- [...] -->
  </list>
  <item>Chapter III – Struggle for Existence</item>
  <list>
    <!-- [...] -->
  </list>
  <!-- [...] -->
  <item>Chapter XV – Recapitulation and
Conclusion</item>
  <list>
    <!-- [...] -->
  </list>
  <item>Glossary of Scientific Terms</item>
  <item>Index</item>
</list>
</generalContext>
</description>
</cpfDescription>

```