<u>Der dtd-Code:</u>		
xml vers</td <td>sion="1.0" encoding="UTF-</td>	sion="1.0" encoding="UTF-	
ELEMENT concert-planning (ticket*, customer*, eventorganizer*, salesrepresentative*, webshop*, artist*, venue*, artist*, concert*)		
	= Single Concert, festival ticket,>	
ATTLIST type</td <td>(single festival seasonal) CDATA</td>	(single festival seasonal) CDATA	
ELEMENT<br ATTLIST<br url #REQUIRED>	ID	
ELEMENT (ticket_re</td <td>salesrepresentative ef*)></td>	salesrepresentative ef*)>	

```
<!ATTLIST salesrepresentative
name
                       CDATA
#REQUIRED
                            CDATA
email
#REQUIRED
phone
                            CDATA
#REQUIRED
employee id
                       ID
#REQUIRED>
<!ELEMENT customer (ticket ref*)>
<!ATTLIST customer
                       CDATA
name
#REQUIRED
email
                            CDATA
#REQUIRED
phone
                            CDATA
#REQUIRED
customer id
                       ID
#REQUIRED>
<!ELEMENT eventorganizer
(concert ref*)>
<!ATTLIST eventorganizer
name
                       CDATA
#REQUIRED
email
                            CDATA
#REQUIRED
phone
                            CDATA
#REQUIRED
employee id
                       ID
#REQUIRED>
<!ELEMENT artist (concert_ref*)>
<!ATTLIST artist
name
                       CDATA
#REQUIRED
```

<pre>genre #REQUIRED description #IMPLIED image #IMPLIED artist_id #REQUIRED></pre>	CDATA CDATA ID
<pre><!--ELEMENT venue (concer <!ATTLIST venue name #REQUIRED address #REQUIRED capacity #REQUIRED description #IMPLIED image #IMPLIED venue_id #REQUIRED--></pre>	CDATA CDATA CDATA CDATA CDATA CDATA ID
ELEMENT concert (tick<br ATTLIST concert<br title #REQUIRED date #REQUIRED time #REQUIRED duration #REQUIRED description #IMPLIED image #IMPLIED	CDATA CDATA CDATA CDATA CDATA CDATA CDATA CDATA

concert_id #REQUIRED>	ID
ELEMENT concert_r<br ATTLIST concert_r<br concert id	
#REQUIRED>	
<pre><!--ELEMENT ticket_re <!ATTLIST ticket_re</pre--></pre>	
ticket_id #REQUIRED	IDREF
concert_id #REQUIRED>	IDREF

```
Der xml-Code:
<?xml version="1.0" encoding="UTF-</pre>
<!DOCTYPE concert-planning SYSTEM</pre>
"concert-planning.dtd">
<concert-planning>
      <ticket type = "single" price</pre>
= "50.0" ticket id = "t-001"/>
      <ticket type = "single" price</pre>
= "50.0" ticket id = "t-002"/>
      <ticket type = "single" price</pre>
= "50.0" ticket id = "t-003"/>
      <ticket type = "single" price</pre>
= "50.0" ticket id = "t-004"/>
      <ticket type = "single" price</pre>
= "50.0" ticket id = "t-005"/>
      <ticket type = "single" price</pre>
= "50.0" ticket id = "t-006"/>
      <ticket type = "single" price</pre>
= "50.0" ticket id = "t-007"/>
      <ticket type = "single" price</pre>
= "50.0" ticket id = "t-008"/>
      <ticket type = "single" price</pre>
= "30.0" ticket id = "t-009"/>
      <ticket type = "single" price</pre>
= "30.0" ticket id = "t-010"/>
      <ticket type = "single" price</pre>
= "30.0" ticket id = "t-011"/>
      <ticket type = "single" price</pre>
= "30.0" ticket id = "t-012"/>
      <ticket type = "single" price</pre>
= "30.0" ticket id = "t-013"/>
      <ticket type = "single" price</pre>
= "40.0" ticket id = "t-014"/>
```

```
<ticket type = "single" price</pre>
= "40.0" ticket id = "t-015"/>
      <ticket type = "single" price</pre>
= "40.0" ticket id = "t-016"/>
      <ticket type = "single" price</pre>
= "40.0" ticket id = "t-017"/>
      <ticket type = "single" price</pre>
= "40.0" ticket id = "t-018"/>
      <ticket type = "single" price</pre>
= "40.0" ticket id = "t-019"/>
      <ticket type = "single" price</pre>
= "40.0" ticket id = "t-020"/>
      <customer name = "Lukas"</pre>
email = "lukas@gmx.at" phone =
"0664 5151651" customer id = "c-
001">
            <ticket ref ticket id =
"t-001" concert id = "co-001"/>
            <ticket ref ticket id =
"t-009" concert id = "co-002"/>
            <ticket ref ticket id =
"t-010" concert id = "co-002"/>
            <ticket ref ticket id =
"t-014" concert id = "co-003"/>
      </customer>
      <customer name = "Claudia"</pre>
email = "claudia@gmx.at" phone =
"0664 2131654" customer id = "c-
002">
            <ticket ref ticket id =
"t-002" concert id = "co-001"/>
            <ticket ref ticket id =
"t-003" concert id = "co-001"/>
            <ticket ref ticket id =
"t-004" concert id = "co-001"/>
            <ticket ref ticket id =
"t-015" concert id = "co-003"/>
```

```
<ticket ref ticket id =
"t-016" concert id = "co-003"/>
           <ticket ref ticket id =
"t-017" concert id = "co-003"/>
     </customer>
     <customer name = "Barbara"</pre>
email = "barbara@gmx.at" phone =
"0650 541654" customer id = "c-
003">
           <ticket ref ticket id =
"t-005" concert id = "co-001"/>
           <ticket ref ticket id =
"t-006" concert id = "co-001"/>
     </customer>
     <customer name = "Ernst"</pre>
email = "ernst@gmx.at" phone =
"0650 5151333" customer id = "c-
004">
           <ticket ref ticket id =
"t-018" concert id = "co-003"/>
           <ticket ref ticket id =
"t-019" concert id = "co-003"/>
           <ticket ref ticket id =
"t-020" concert id = "co-003"/>
      </customer>
      <customer name = "Siegfried"</pre>
email = "siegfried@gmx.at" phone =
"0664 3211178" customer id = "c-
005">
           <ticket ref ticket id =
"t-007" concert id = "co-001"/>
           <ticket ref ticket id =</pre>
"t-008" concert id = "co-001"/>
           <ticket ref ticket id =
"t-011" concert id = "co-002"/>
            <ticket ref ticket id =
"t-012" concert id = "co-002"/>
```

```
<ticket ref ticket id =
"t-013" concert id = "co-002"/>
      </customer>
      <eventorganizer name =</pre>
"Petra" email = "petra@concerts-
for-you.com" phone = "0664 0213465-
2" employee id = "e-002">
            <concert ref concert id</pre>
= "c-001"/>
     </eventorganizer>
      <eventorganizer name =</pre>
"Christian" email =
"chrisitan@concerts-for-you.com"
phone = "0664 0213465-3"
employee id = "e-003">
            <concert ref concert id</pre>
= "c-002"/>
            <concert ref concert id</pre>
= "c-003"/>
      </eventorganizer>
      <salesrepresentative name =</pre>
"Hans" email = "hans@concerts-for-
you.com" phone = "0664 0213465-1"
employee id = "e-001">
            <ticket ref ticket id =
"t-001" concert id = "co-001"/>
            <ticket ref ticket id =
"t-002" concert id = "co-001"/>
            <ticket ref ticket id =
"t-003" concert id = "co-001"/>
            <ticket ref ticket id =
"t-004" concert id = "co-001"/>
            <ticket ref ticket id =
"t-005" concert id = "co-001"/>
            <ticket ref ticket id =
"t-006" concert id = "co-001"/>
```

```
</salesrepresentative>
     <webshop url = "www.concerts-</pre>
for-you.com">
           <ticket ref ticket id =
"t-007" concert id = "co-001"/>
           <ticket ref ticket id =
"t-008" concert id = "co-001"/>
           <ticket ref ticket id =</pre>
"t-009" concert id = "co-002"/>
            <ticket ref ticket id =
"t-010" concert id = "co-002"/>
            <ticket ref ticket id =
"t-011" concert id = "co-002"/>
            <ticket ref ticket id =
"t-012" concert id = "co-002"/>
            <ticket ref ticket id =
"t-013" concert id = "co-002"/>
            <ticket ref ticket id =
"t-014" concert id = "co-003"/>
            <ticket ref ticket id =
"t-015" concert id = "co-003"/>
            <ticket ref ticket id =
"t-016" concert id = "co-003"/>
            <ticket ref ticket id =
"t-017" concert id = "co-003"/>
            <ticket ref ticket id =
"t-018" concert id = "co-003"/>
           <ticket ref ticket id =</pre>
"t-019" concert id = "co-003"/>
            <ticket ref ticket id =
"t-020" concert id = "co-003"/>
      </webshop>
     <artist name = "Adam L" genre</pre>
= "Pop, Pop-Rock" description =
"American Singer and Songwriter"
artist id = "a-001">
           <concert ref</pre>
concert id = "co-002"/>
```

```
</artist>
      <artist name = "EAV" genre =</pre>
"Austropop, Pop-Rock" description =
"Der Name der österreichischen Band
EAV bedeutet Erste allgemeine
Verunsicherung und ..." artist id =
"a-002">
            <concert ref concert id</pre>
= "co-003"/>
      </artist>
      <artist name = "Herbert</pre>
Grönemeyer" genre = "German Pop,
Rock" description = "Deutscher"
Musiker, Musikproduzent, Sänger,
Komponist, Texter und
Schauspieler..." artist id = "a-
003">
            <concert ref concert id</pre>
= "co-001"/>
      </artist>
      <venue name = "Eventcenter"</pre>
Hohenems" address = "Markus-
Sittiukus-Str. 12, 6845 Hohenems"
capacity = "2500" venue id = "v-
001">
            <concert ref concert id</pre>
= "co-001"/>
            <concert ref concert id</pre>
= "co-003"/>
      </venue>
      <venue name = "Conrad Sohm"</pre>
address = "Boden 1, 6850 Hohenems"
capacity = "500" venue id = "v-
002">
            <concert ref concert id</pre>
= "co-002"/>
      </venue>
```

```
<concert title = "Herbert</pre>
Grönemeyer 2023" date =
"20.05.2023" time = "20:00"
duration = "2 Stunden" description
= "Herbert Grönemeyer Tour 2023"
concert id = "co-001">
           <ticket ref ticket id =
"t-001" concert id = "co-001"/>
           <ticket ref ticket id =
"t-002" concert id = "co-001"/>
           <ticket ref ticket id =
"t-003" concert id = "co-001"/>
           <ticket ref ticket id =
"t-004" concert id = "co-001"/>
           <ticket ref ticket id =
"t-005" concert id = "co-001"/>
           <ticket ref ticket id =
"t-006" concert id = "co-001"/>
           <ticket ref ticket id =
"t-007" concert id = "co-001"/>
           <ticket ref ticket id =
"t-008" concert id = "co-001"/>
     </concert>
     <concert title = "Adam L"</pre>
date = "15.07.2023" time = "21:00"
duration = "1.5 Stunden"
description = "Adam L Album Release
Concert 2023" concert id = "co-
002">
           <ticket ref ticket id =
"t-009" concert id = "co-002"/>
           <ticket ref ticket id =
"t-010" concert id = "co-002"/>
           <ticket ref ticket id =
"t-011" concert id = "co-002"/>
           <ticket ref ticket id =
"t-012" concert id = "co-002"/>
           <ticket ref ticket id =
"t-013" concert id = "co-002"/>
```

```
</concert>
     <concert title = "EAV" date =</pre>
"20.8.2023" time = "20:00" duration
= "2.5 Stunden" description = "EAV
Best Of Abschiedstour" concert id =
"co-003">
           <ticket ref ticket id =
"t-014" concert id = "co-003"/>
           <ticket ref ticket id =
"t-015" concert id = "co-003"/>
           <ticket ref ticket id =
"t-016" concert id = "co-003"/>
           <ticket ref ticket id =
"t-017" concert id = "co-003"/>
           <ticket ref ticket id =
"t-018" concert id = "co-003"/>
           <ticket ref ticket id =
"t-019" concert id = "co-003"/>
           <ticket ref ticket id =
"t-020" concert id = "co-003"/>
     </concert>
</concert-planning>
```