1 XSLT

1.1 A

1.1.1 b5a_termin.xlst

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
        <xsl:output method="html" version="5.0" encoding="UTF-8" indent="yes"/>
        <!-- Termin Template rendering -->
        <!-- 1. Level (Parent: root node) -->
        <!-- 1. Stage Entry point of traverse -->
        <xsl:template match="Termin">
                <html xmlns="http://www.w3.org/1999/xhtml">
                        <head>
                                <title>Termine</title>
                        </head>
                        <body>
                                <br/>
                                <table border="1">
                                        <thead>
                                                <tr>
                                                        <th>Beginn</th>
                                                        <th>Ende</th>
                                                </tr>
                                        </thead>
                                        <tbody>
                                                <tr>
                                                        <!-- Go to 2. Level -->
                                                        <xsl:apply-templates select="TerminInfos"/>
                                                </tr>
                                        </tbody>
                                </table>
                                <br/>
                                <span>Dauer: </span>
                                <xsl:value-of select="./TerminInfos/Dauer/text()"/> (<xsl:value-of
select="./TerminInfos/Dauer/@einheit"/>)<br/>
                                <span>Verschiebbar: </span>
                                <xsl:value-of select="TerminInfos/@verschiebbar"/>
                                <br/>
                                <span>Serientermin: </span>
                                <xsl:value-of select="TerminInfos/@Serientermin"/>
                                <br/>
                                <br/>
                                <xsl:apply-templates select="TeilnehmerListe"/>
                        </body>
                </html>
        </xsl:template>
        <!-- Beginn Template rendering -->
        <!-- 3. Level (Parent: Termininfos) -->
        <xsl:template match="Beginn">
                <td>
                        <xsl:value-of select="Datum/@tag"/>-<xsl:value-of select="Datum/@monat"/>-<xsl:value-of
select="Datum/@jahr"/> (<xsl:value-of select="Uhrzeit/@stunden"/>:<xsl:value-of select="Uhrzeit/@minuten"/>)
                </td>
        </xsl:template>
        <!-- Ende Template rendering -->
        <!-- 3. Level (Parent: Termininfos) -->
        <xsl:template match="Ende">
                <td>
                        <xsl:value-of select="Datum/@tag"/>-<xsl:value-of select="Datum/@monat"/>-<xsl:value-of
select="Datum/@jahr"/> (<xsl:value-of select="Uhrzeit/@stunden"/>:<xsl:value-of select="Uhrzeit/@minuten"/>)
                </td>
        </xsl:template>
        <!-- Nothing to do on Dauer -->
        <!-- 3. Level (Parent: Termininfos) -->
        <xsl:template match="Dauer"/>
        <!-- Nothing to do on Beschreibung -->
        <!-- 3. Level (Parent: TeilnehmerListe) -->
        <xsl:template match="Beschreibung"/>
        <!-- Teilnehmerliste Template rendering -->
        <xsl:template match="TeilnehmerListe">
```

```
<table border="1">
        <tbody>
                <!-- Go to Person node on same level -->
                <xsl:apply-templates select="Person"/>
        </tbody>
</table>
</xsl:template>
<!-- Person Template rendering -->
<!-- 3. Level (Parent: TeilnehmerListe) -->
<xsl:template match="Person">
        <tr>
                <td>
                        <xsl:number/>
                </td>
                <td>
                        <xsl:value-of select="Nachname/text()"/>, <xsl:value-of select="Vorname/text()"/>
                </td>
        </tr>
</xsl:template>
</xsl:stylesheet>
```

1.1.2 b5a_termin.html


```
<!DOCTYPE html >
<html xmlns="http://www.w3.org/1999/xhtml">
        <head>
                <title>Termine</title>
        </head>
        <body>
                <br/>
                <table border="1">
                        <thead>
                                <tr>
                                        <th>Beginn</th>
                                        <th>Ende</th>
                                </tr>
                        </thead>
                        <tbody>
                                <tr>
                <td xmlns="">26-04-2002 (13:00)
                </td>
                <td xmlns="">26-04-2002 (14:30)
                </td>




                </tr>
                        </tbody>
                </table>
                <br/>
                <span>Dauer: </span>1,5 (Stunden)<br/><span>Verschiebbar: </span>nein<br/><span>Serientermin:
</span>ja<br/><br/><table xmlns="" border="1">
                        <tbody>
                                <tr>
                                        <td>1</td>
                                        <td>Kenobi, Obi-Wan</td>
                                </tr>
                                <tr>
                                        <td>2</td>
```

3

```
                                        <td>Solo, Han</td>
                                    </tr>
                                    <tr>

                                        <td>3</td>
                                        <td>D2, R2</td>
                                    </tr>
                                    <tr>

                                        <td>4</td>
                                        <td>Skywalker, Luke</td>
                                    </tr>
                                    <tr>

                                        <td>5</td>
                                        <td>Chewy, </td>
                                    </tr>
                            </tbody>
                    </table></body>
</html>
```

1.2   B

1.2.1   b5b_termin.xlst

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
        <xsl:output method="html" version="5.0" encoding="UTF-8" indent="yes"/>
        <!-- Termin Templae rendering -->
        <xsl:template match="Termin">
                <html xmlns="http://www.w3.org/1999/xhtml">
                        <head>
                                <title>Termine</title>
                        </head>
                        <body>
                                <!-- Loop over each Person in Teilnehmerliste -->
                                <xsl:for-each select="TeilnehmerListe/Person">
                                        <span>
                                                <xsl:number/>.)
                                                <xsl:value-of select="Nachname"/>,
                                                <xsl:value-of select="Vorname"/>
                                        </span>
                                        <!-- Call related TerminInfos -->
                                        <xsl:call-template name="termin_info_template"/>
                                        <br/>
                                </xsl:for-each>
                        </body>
                </html>
        </xsl:template>
        <!-- TerminInfos Template rendering  -->
        <xsl:template name="termin_info_template">
                <table border="1">
                        <tbody>
                                <tr>
                                        <th>Beginn</th>
                                        <th>Ende</th>
                                </tr>
                        </tbody>
                        <tr>
                                <xsl:call-template name="begin_date_template"/>
                                <xsl:call-template name="end_date_template"/>
                        </tr>
                        <tr>

                                <xsl:call-template name="begin_time_template"/>
                                <xsl:call-template name="end_time_template"/>
                        </tr>
                </table>
        </xsl:template>
        <!-- -Beginn Date Template rendering -->
        <xsl:template name="begin_date_template">
                <td>
                        <xsl:value-of select="//TerminInfos/Beginn/Datum/@tag"/>-
                                <xsl:value-of select="//TerminInfos/Beginn/Datum/@monat"/>-
                                <xsl:value-of select="//TerminInfos/Beginn/Datum/@jahr"/>
                </td>
        </xsl:template>
```

```xml
                        <!-- Ende Date Template rendering -->
                        <xsl:template name="end_date_template">
                                <td>
                                        <xsl:value-of select="//TerminInfos/Ende/Datum/@tag"/>-
                                                <xsl:value-of select="//TerminInfos/Ende/Datum/@monat"/>-
                                                <xsl:value-of select="//TerminInfos/Ende/Datum/@jahr"/>
                                </td>
                        </xsl:template>
                        <!-- Beginn Time Template rendering -->
                        <xsl:template name="begin_time_template">
                                <td>
                                        <xsl:value-of select="//TerminInfos/Beginn/Uhrzeit/@stunden"/>:
                                                <xsl:value-of select="//TerminInfos/Beginn/Uhrzeit/@minuten"/>
                                </td>
                        </xsl:template>
                        <!-- Ende Time Template rendering -->
                        <xsl:template name="end_time_template">
                                <td>
                                        <xsl:value-of select="//TerminInfos/Ende/Uhrzeit/@stunden"/>:
                                                <xsl:value-of select="//TerminInfos/Ende/Uhrzeit/@minuten"/>
                                </td>
                        </xsl:template>
</xsl:stylesheet>
```

1.2.2   b5b_termin.html


```html
<!DOCTYPE html >
<html xmlns="http://www.w3.org/1999/xhtml">
        <head>
                <title>Termine</title>
        </head>
        <body>
                <span>1.)
                                                Kenobi,
                                                Obi-Wan</span>
                <table xmlns="" border="1">
                        <tbody>
                                <tr>
                                        <th>Beginn</th>
                                        <th>Ende</th>
                                </tr>
                        </tbody>
                        <tr>
                                <td>26-
                                        04-
                                        2002</td>
                                <td>26-
                                        04-
                                        2002</td>
                        </tr>
                        <tr>
```

```
                    <td>13:
                        00</td>
                    <td>14:
                        30</td>
            </tr>
    </table>
    <br/>
    <span>2.)                                Solo,
                                Han</span>
    <table xmlns="" border="1">
            <tbody>
                    <tr>
                            <th>Beginn</th>
                            <th>Ende</th>
                    </tr>
            </tbody>
            <tr>
                    <td>26-
                        04-
                        2002</td>
                    <td>26-
                        04-
                        2002</td>
            </tr>
            <tr>
                    <td>13:
                        00</td>
                    <td>14:
                        30</td>
            </tr>
    </table>
    <br/>
    <span>3.)                                D2,
                                R2</span>
    <table xmlns="" border="1">
            <tbody>
                    <tr>
                            <th>Beginn</th>
                            <th>Ende</th>
                    </tr>
            </tbody>
            <tr>
                    <td>26-
                        04-
                        2002</td>
                    <td>26-
                        04-
                        2002</td>
            </tr>
            <tr>
                    <td>13:
                        00</td>
                    <td>14:
                        30</td>
            </tr>
    </table>
    <br/>
    <span>4.)                                Skywalker,
                                Luke</span>
    <table xmlns="" border="1">
            <tbody>
                    <tr>
                            <th>Beginn</th>
                            <th>Ende</th>
                    </tr>
            </tbody>
            <tr>
                    <td>26-
                        04-
                        2002</td>
                    <td>26-
                        04-
```

```
                                    2002</td>
                        </tr>
                        <tr>
                                <td>13:
                                        00</td>
                                <td>14:
                                        30</td>
                        </tr>
                </table>
                <br/>
                <span>5.)
                                                Chewy,
                                                </span>
                <table xmlns="" border="1">
                        <tbody>
                                <tr>
                                        <th>Beginn</th>
                                        <th>Ende</th>
                                </tr>
                        </tbody>
                        <tr>
                                <td>26-
                                        04-
                                        2002</td>
                                <td>26-
                                        04-
                                        2002</td>
                        </tr>
                        <tr>
                                <td>13:
                                        00</td>
                                <td>14:
                                        30</td>
                        </tr>
                </table>
                <br/>
        </body>
</html>
```

1.3   C

1.3.1   b5c_termin.xslt

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
        <xsl:output method="html" version="5.0" encoding="UTF-8" indent="yes"/>
        <xsl:include href="b5_formatierung.xslt"/>
        <!-- Termin Template rendering -->
        <!-- 1. Level (Parent: root node) -->
        <!-- 1. Stage Entry point of traverse -->
        <xsl:template match="Termin">
                <html xmlns="http://www.w3.org/1999/xhtml">
                        <head>
                                <title>Termine</title>
                        </head>
                        <body>
                                <br/>
                                <table border="1">
                                        <thead>
                                                <tr>
                                                        <th>Beginn</th>
                                                        <th>Ende</th>
                                                </tr>
                                        </thead>
                                        <tbody>
                                                <tr>
                                                        <!-- Call Beginn and Ende Templates -->
                                                        <xsl:call-template name="begin_template"/>
                                                        <xsl:call-template name="end_template"/>
                                                </tr>
                                        </tbody>
                                </table>
                                <br/>
```

```xml
                                        <span>Dauer: </span>
                                        <xsl:value-of select="./TerminInfos/Dauer/text()"/> (<xsl:value-of
select="./TerminInfos/Dauer/@einheit"/>)<br/>
                                        <span>Verschiebbar: </span>
                                        <xsl:value-of select="TerminInfos/@verschiebbar"/>
                                        <br/>
                                        <span>Serientermin: </span>
                                        <xsl:value-of select="TerminInfos/@Serientermin"/>
                                        <br/>
                                        <br/>
                                        <table border="1">
                                                <tbody>
                                                        <!-- Iterate over each Person and call corresponding template -->
                                                        <xsl:for-each select="TeilnehmerListe/Person">
                                                                <xsl:call-template name="person_template"/>
                                                        </xsl:for-each>
                                                </tbody>
                                        </table>
                                </body>
                        </html>
                </xsl:template>
                <!-- Beginn Template rendering -->
                <xsl:template name="begin_template">
                        <td>
                                <xsl:value-of select="TerminInfos/Beginn/Datum/@tag"/>-<xsl:value-of
select="TerminInfos/Beginn/Datum/@monat"/>-<xsl:value-of select="TerminInfos/Beginn/Datum/@jahr"/> (<xsl:value-of
select="TerminInfos/Beginn/Uhrzeit/@stunden"/>:<xsl:value-of select="TerminInfos/Beginn/Uhrzeit/@minuten"/>)
                        </td>
                </xsl:template>
                <!-- Ende Template rendering -->
                <xsl:template name="end_template">
                        <td>
                                <xsl:value-of select="TerminInfos/Ende/Datum/@tag"/>-<xsl:value-of
select="TerminInfos/Ende/Datum/@monat"/>-<xsl:value-of select="TerminInfos/Ende/Datum/@jahr"/> (<xsl:value-of
select="TerminInfos/Ende/Uhrzeit/@stunden"/>:<xsl:value-of select="TerminInfos/Ende/Uhrzeit/@minuten"/>)
                        </td>
                </xsl:template>
                <!-- Person Template rendering -->
                <xsl:template name="person_template">
                        <tr>
                                <td>
                                </td>
                                <td>
                                        <xsl:number/>
                                        <xsl:value-of select="Nachname/text()"/>, <xsl:value-of select="Vorname/text()"/>
                                        <xsl:if test="@id = //Termin/TerminInfos/@Terminersteller"> (is creator)</xsl:if>
                                        <br/>
                                        <xsl:call-template name="delimiter_template"/>
                                </td>
                        </tr>
                </xsl:template>
</xsl:stylesheet>
```

1.3.2 b5_formatierung.xslt

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
        <xsl:output method="xml" version="1.0" encoding="UTF-8" indent="yes"/>
        <xsl:template name="delimiter_template">
                <br/>
                **********************************
                <br/>
        </xsl:template>
</xsl:stylesheet>
```

1.3.3　b5c_termin.html

Beginn	Ende
26-04-2002 (13:00)	26-04-2002 (14:30)

Dauer: 1,5 (Stunden)
Verschiebbar: nein
Serientermin: ja

1Kenobi, Obi-Wan

****

2Solo, Han (is creator)

****

3D2, R2

****

4Skywalker, Luke

****

5Chewy,

****

```xml
<?xml version="1.0" encoding="UTF-8"?>
<html xmlns="http://www.w3.org/1999/xhtml">
        <head>
                <title>Termine</title>
        </head>
        <body>
                <br/>
                <table border="1">
                        <thead>
                                <tr>
                                        <th>Beginn</th>
                                        <th>Ende</th>
                                </tr>
                        </thead>
                        <tbody>
                                <tr>
                                        <td xmlns="">26-04-2002 (13:00)
                </td>
                                        <td xmlns="">26-04-2002 (14:30)
                </td>
                                </tr>
                        </tbody>
                </table>
                <br/>
                <span>Dauer: </span>1,5 (Stunden)<br/><span>Verschiebbar: </span>nein<br/><span>Serientermin:
</span>ja<br/><br/><table border="1">
                        <tbody>
                                <tr xmlns="">
                                        <td/>
                                        <td>1Kenobi, Obi-Wan<br/><br/>
**********************************
<br/></td>
                                </tr>
                                <tr xmlns="">
                                        <td/>
                                        <td>2Solo, Han (is creator)<br/><br/>
**********************************
<br/></td>
                                </tr>
                                <tr xmlns="">
                                        <td/>
                                        <td>3D2, R2<br/><br/>
**********************************
<br/></td>
                                </tr>
                                <tr xmlns="">
                                        <td/>
                                        <td>4Skywalker, Luke<br/><br/>
**********************************
<br/></td>
                                </tr>
                                <tr xmlns="">
                                        <td/>
                                        <td>5Chewy, <br/><br/>
**********************************
```

```
                        <br/></td>
                                        </tr>
                        </tbody>
                </table></body>
</html>
```