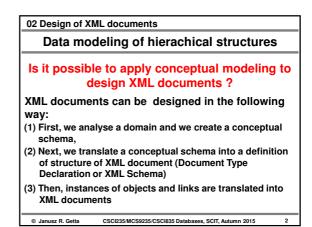
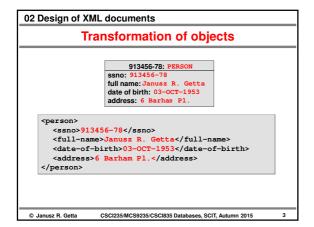
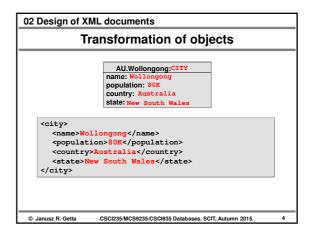


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```
02 Design of XML documents

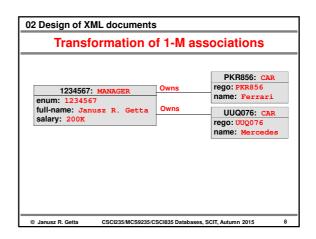
Transformation of objects with multivalued attributes

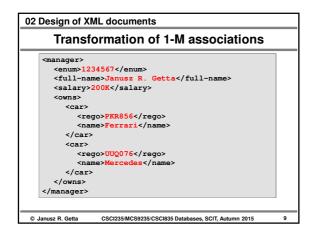
1234567: EMPLOYEE
enum: 1234567
full-name: Janusz R. Getta
salary: 200K
hobbies: cooking, painting, gardening

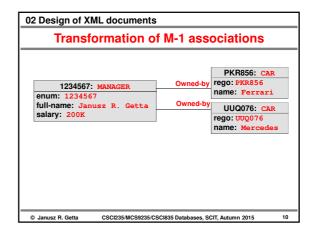
<employee>
<enum>1234567</enum>
<full-name>Janusz R. Getta</full-name>
<salary>200K</salary>
<hobbies>
<hobby>cooking</hobby>
<hobby>painting</hobby>
<hobby>painting</hobby>
<hobby>gardening</hobby>
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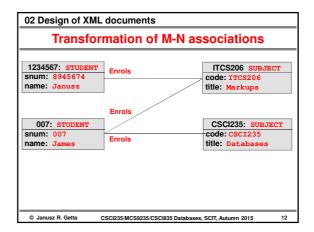
```
02 Design of XML documents
       Transformation of 1-1 associations
      1234567: MANAGER
                                            MI6: DEPARTMENT
enum: 1234567
full-name: Janusz R. Getta
                                          budget: 20M
salary: 200K
      <enum>1234567</enum>
<full-name>Janusz R. Getta</full-name>
       <salary>200K</salary>
         <department
            <name>MI6</name>
            <budget>20M</budget>
         </department>
       </manages>
              CSCI235/MCS9235/CSCI835 Databases, SCIT, Autumn 2015
```

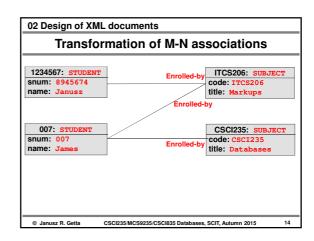
```
02 Design of XML documents
       Transformation of 1-1 associations
                               Managed-by MI6: DEPARTMENT
enum: 1234567
full-name: Janusz R. Getta
                                         budget: 20M
salary: 200K
    <department>
       <name>MI6</name>
       <budget>20M</budget>
       <managed-by>
          <manager>
            <enum>1234567</enum>
            <full-name>Janusz R. Getta</full-name>
            <salary>200K</salary>
          </manager>
       </managed-by>
    </department>
 © Janusz R. Getta
                CSCI235/MCS9235/CSCI835 Databases, SCIT, Autumn 2015
```

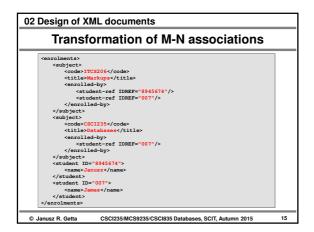


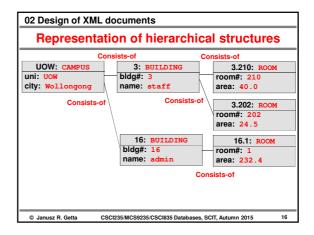


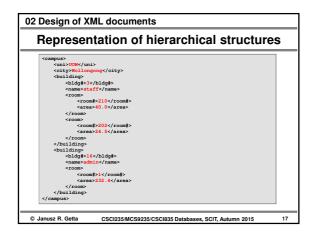


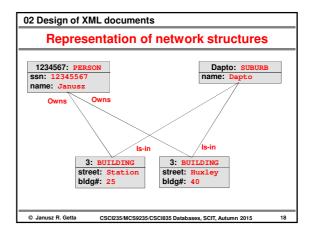












```
O2 Design of XML documents

Representation of network structures

(real-estate)

(suburb)

(name>Dapto</name)

(building ID="Station.25")

(street>Station</street)

(building)

(street>Huxley</street)

(bldg#>40/bldg#)

(building)

(suburb)

(person)

(snn-1234567</snn)

(name>Januaz</name>

(owns IDREP="Station.25"/)

(owns IDREP="Station.25"/)

(owns IDREP="Station.40"/)

(/person)

(/real-estate)

Danusz R. Getta CSCI235MCS9235/CSCI835 Databases, SCIT, Autumn 2015
```

