

Due date/discussion: 10.2.2012

Exercise Sheet 12

XML and Relational Databases

Exercise 1: XML to Relational Mapping

1.1. Apply the following mappings to the specified data. For each of them, give the database schema and explain how to fill in the tables.

a. Schema-based shredding

using *exercise12-1-a.xml* and *exercise10-1-a.xsd*

b. Schema-based shredding

using *exercise12-1-bcd.xml* and *exercise10-1-bcd.xsd*

c. Tree encoding

using *exercise12-1-bcd.xml*

d. Edge approach

using *exercise12-1-bcd.xml*

1.2. For each of these mappings, express the following query in SQL:

"Determine all flight destinations of the passenger named Santa Claus".