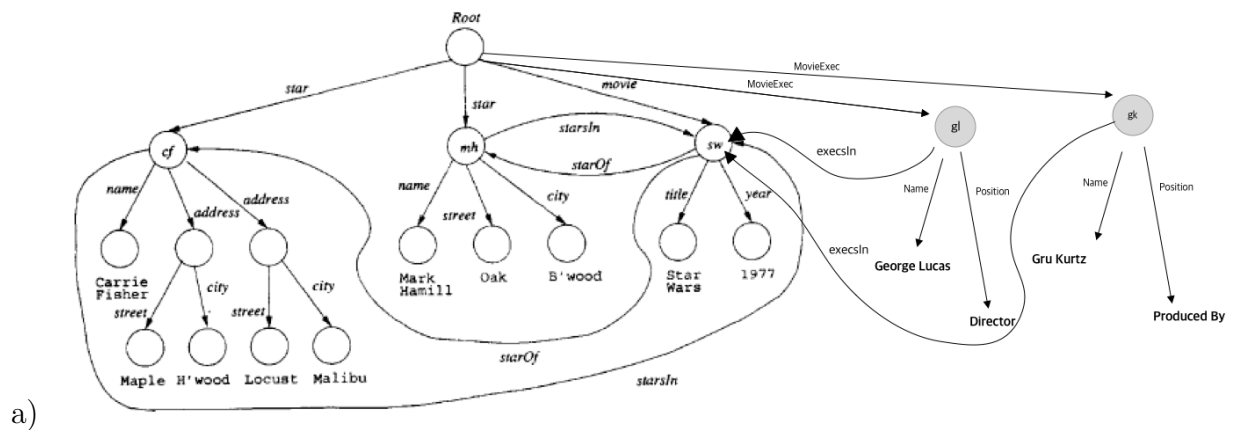


CSC343 Worksheet 9 Solution

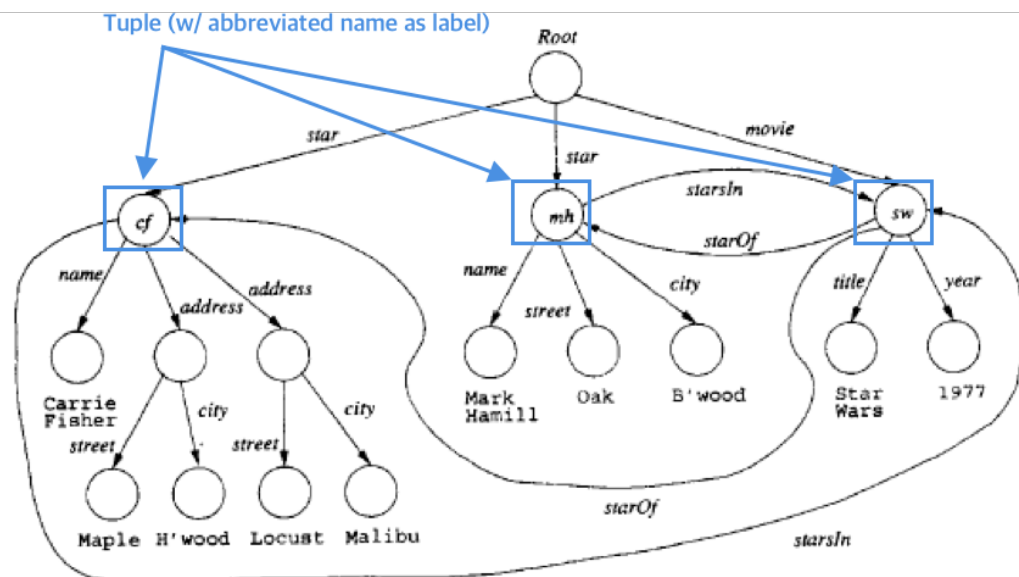
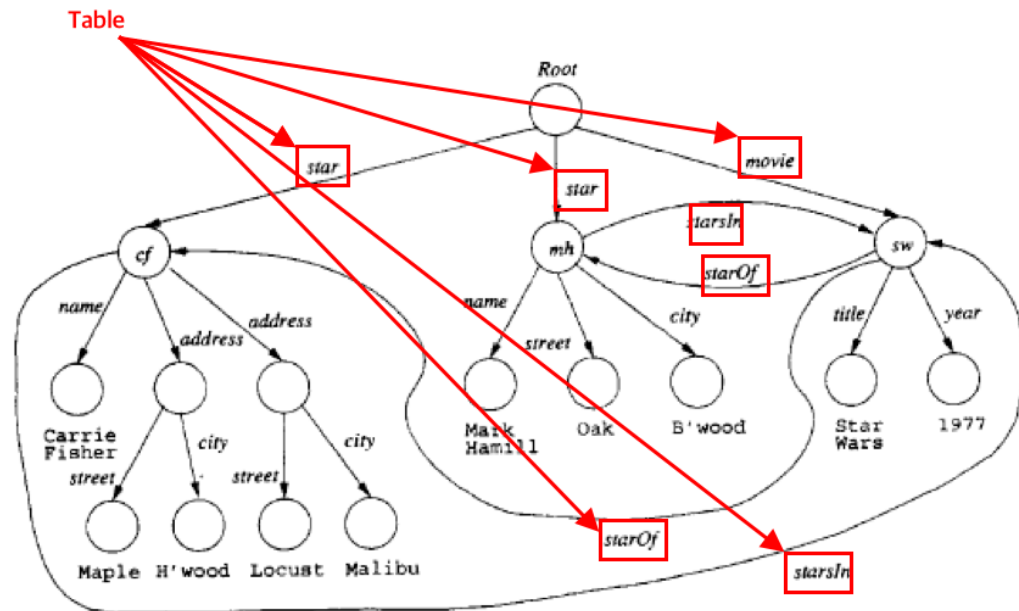
June 27, 2020

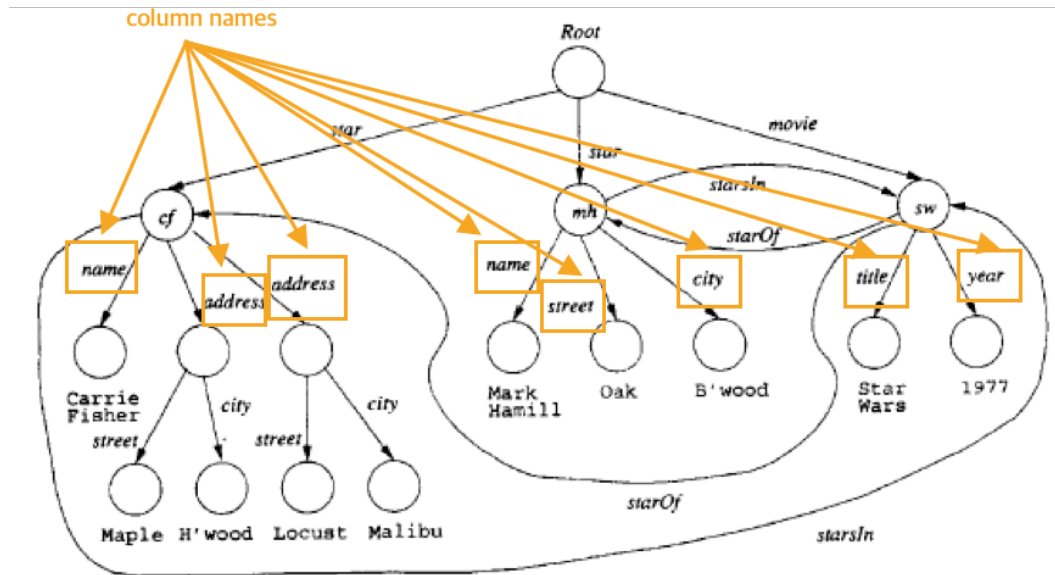
1. Exercise 11.1.1:



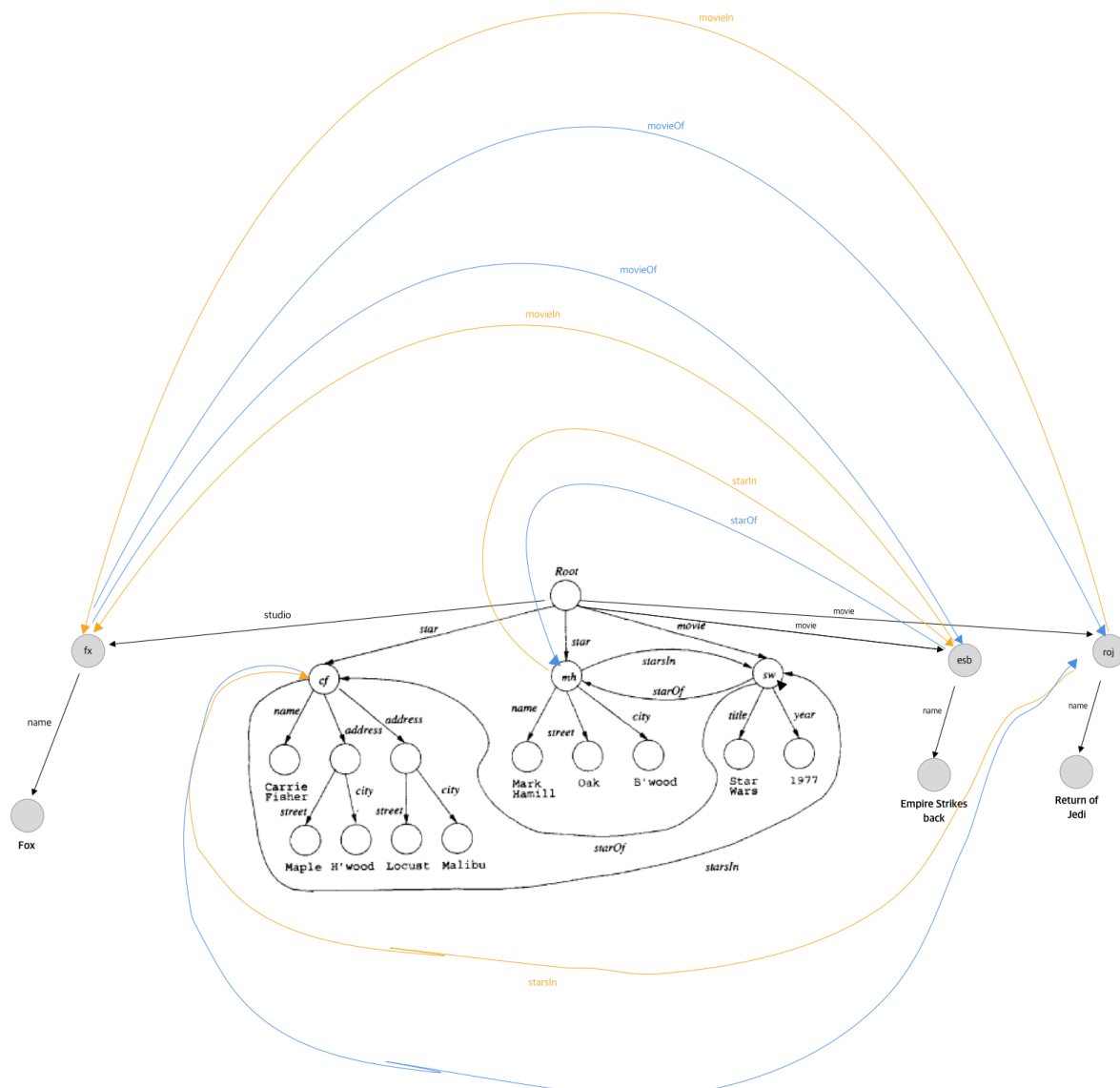
Notes:

- Semistructured data
 - serves as a model suitable for **databases integration**, that is, for describing the data contained in two or more databases that contain similar data with different schemas
 - It serves as the underlying model for notations such as XML, to be taken up in Section 2, that are being used to share information on the web.
- Semistructured Data Representation
 - is a collection of nodes





b)



c)



2.



3.

4. Notes:

- Semi-structured Data
 - Is schemaless
 - Is motivated primarily by its flexibility

- One could enter data at will, and attach to the data whatever schema information you felt was appropriate for that data.
 - Makes query processing harder
- Structured Data
 - Is rigid framework into which data is placed.
 - Data must fit into schema
 - Fixed schema allows data to be organized with data structures that support efficient answering of queries
 - e.g. UML, E/R, Relational, ODL