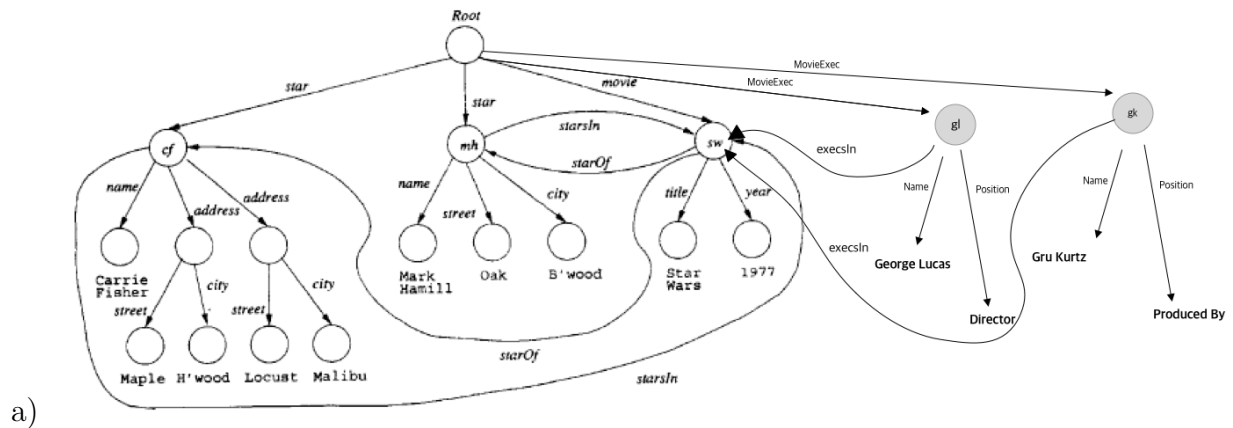


# CSC343 Worksheet 9 Solution

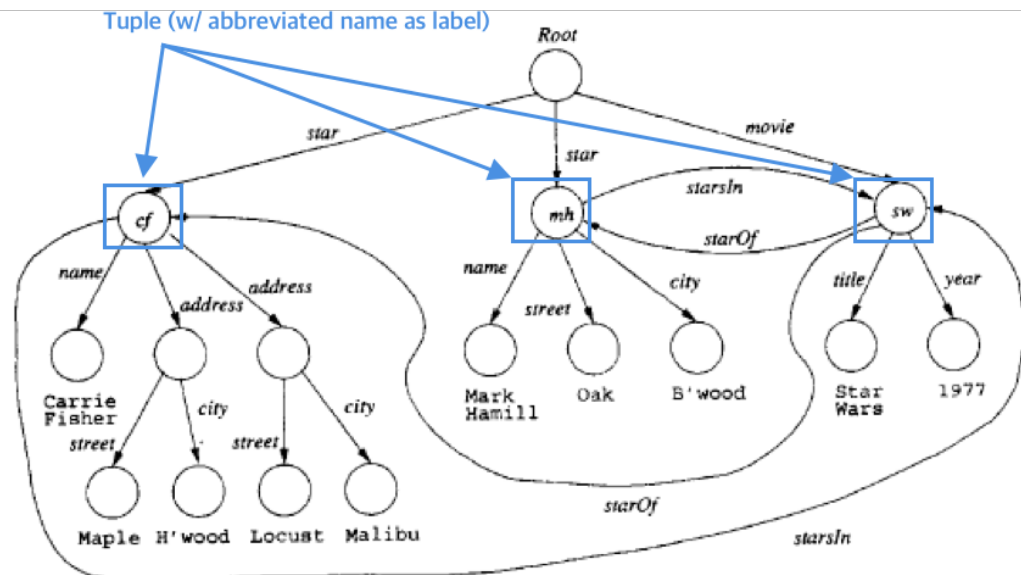
June 27, 2020

## 1. Exercise 11.1.1:



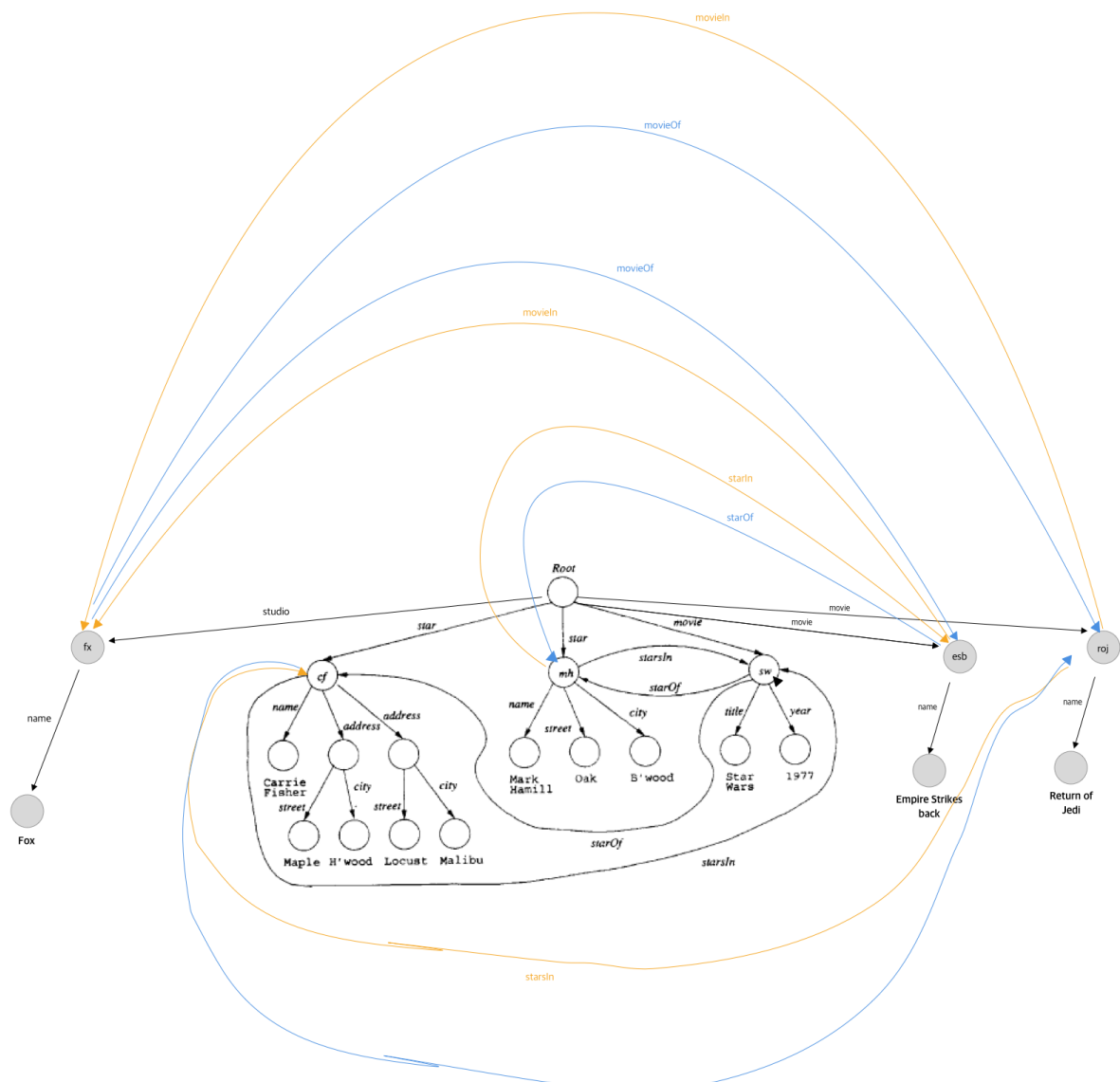
### Notes:

- 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. The difference is that UML must fit data into its schema, where as the semi structured data allows whatever schema information that is appropriate to be attached to data

### 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