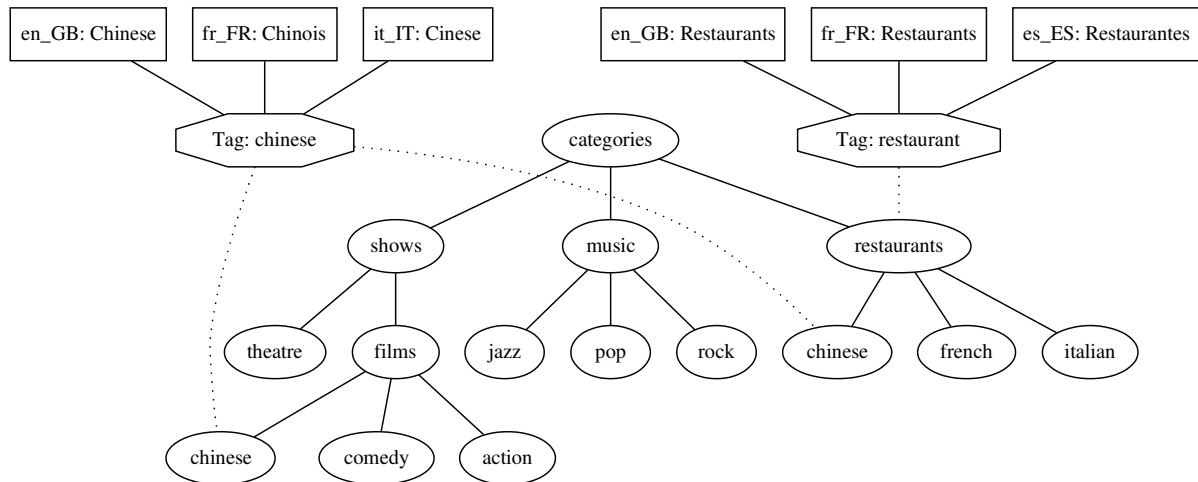


Taxonomy

You are tasked with modeling a taxonomy tree to organise editorial content.

Every node is associated with a tag which points to several translations. Not all the tags are represented in the graph below for simplicity. Note that the “chinese” tag is associated with several nodes.



Modeling the tree

Implement this model in Scala. It should represent taxonomy trees similar to the one above.

This data structure should have these capabilities:

- Retrieve a node by id
- Retrieve all the descendants of a node
- Retrieve all the nodes with a particular tag

Persisting the tree (optional)

We want to save the taxonomy tree in CSV format. Write a function to serialise a tree in CSV and another one to deserialise it from the same format.

Assessment criteria

- Readability and maintainability
- Ease of build and use
- Correctness
- Performance is appreciated but secondary