

XML + XSchema

Read this information carefully before doing the exercises.

Literature (The Alhambra)			
Purpose: Wall decoration			
Poet	Name: Ibn al-Yayyab		
	Birth: 1274 A.D.		
	Death: 1349 A.D.		
	Politician		
	Productions	Production: Royal qasidas in a neo-classical style	
		Production: Panegyrics	Theme: Acclamation of the sultan
		Production: Elegies and epitaphs	Theme: Deaths of Muhammad II and Muhammad III
		Production: Other poems	Theme: Lamentation of his son's death
Places	Place: Tower of the captive woman	./images/tower_captive_woman.jpg	
	Place: Tower of the ladies	./images/tower_ladies.jpg"	
Writer	Name: Ibn al-Jatib		
	Birth: 1313 A.D.		
	Death: 1357 A.D.		
	Politician		
	Productions	Production: Poems	Theme: Honour Muhammad V and the place where they are
	Places	Place: Comares Hall	./images/comares_hall.jpg

Write an XSchema document for the following requirements and a valid XML document with the information above.

- a) The XSchema will allow XML documents store structured information about literature showed in a monument.
- b) The root element will consist of:
 - An attribute for the *monument*.
 - An element to describe the *purpose* of showing literature in the monument.
 - Several elements related to specific *poets* and *writers*.
- c) Each *poet* or *writer* will have these elements:
 - *Name*, which contains letters and, if necessary, spaces or hyphens to separate different words.
 - *Birth*, formed by:
 - The attribute *age*, with two possible values, *B.C.* or *A.D.* (*before Christ* or *Anno Domini*).
 - A year before 2000, as simple content.
 - *Death*, that is not compulsory, is formed by:
 - The attribute *age*, with two possible values, *B.C.* or *A.D.* (*before Christ* or *Anno Domini*).
 - A year, as simple content.
 - *Politician*, empty and not obligatory.
 - *Productions*, that consists of one element *Production*, at least.
 - *Places*, that consists of one element *Place*, at least.
- d) *Production* will include:
 - Its description as simple content.
 - Optionally, its *theme* as a child element.
- e) *Place* will have:
 - Its name as simple content.
 - The attribute *photo* with the URL of the file where it is stored.

You must use:

- *ref* and *type* attributes in elements and/or attributes declarations.
- The most appropriate simple types.
- One restriction by *enumeration*.