Document Type Definitions

Sr No.	Assignment Question
1	**Local Courier Service Simulation**
	The local courier service XYZ has branches all over the country. Every region has one regional office that coordinates with the branches in that region. Couriers from the branches are collected and sent to the regional office for sorting and despatch. Similarly, incoming couriers are sorted at the regional office and sent to the branches.
	Every regional office has to maintain a record of the couriers it receives from the branches and of couriers it sends to the branches. Similarly, it needs to maintain records of couriers it sends to other regional offices and receives from other regional offices.
	The officials no longer wish to transfer these records as hard copy, which makes it prone to so many possibilities of being damaged or corrupted. They have decided to employ data operators who will feed the information into computers and transfer the data using XML.
	Now, the foreseen problem is multiple data operators entering similar data using XML. To resolve the inconsistency that could occur due to operators developing their own tags officials have requested for standardization of the tags to be used.
	Based on these existing conditions, write a DTD for the above problem. Once the DTD is finalized, test the DTD with fake data. Test both internal and external DOCTYPE declarations.
	Make sure tags for addresses are adequate and capable enough to hold any form of address data (Hint: Some addresses have villas while some buildings and apartment number. Look for all possible kinds of addresses and then create the element). The format for how the data will be structured too is open-ended but should be optimal for the above purpose.
	(Hint: Make use of the different element declarations. The DTD should take care of information such as branch/regional details, courier details (from and to details), date of receipt of couriers or despatch of couriers, transportation/shipping details, etc)