

CS-548 – Assignment – 2

XML Schemas

My zip folder has 3 subfolders in it. Each subfolder represents different solution within it and type of the solution is same as the folder name. In each solution subfolder, an instance document is provided. And a common UML diagram is in the main folder.

Overview of Schema:

- My system is consisting of total 5 schemas.
- A schema for identifier types, that defines patient identifiers and provider identifier.
- A schema for treatment records, that defines a type that describes the different possible forms of treatments.
- A schema for patient records, that imports the schema for identifier types and the schema for treatment records. each patient element includes a list of treatments as child elements.
- A schema for provider records, that imports the schema for identifier types.
- A schema for a clinic database, that imports the schemas for patient records and for provider records. A clinic database is simply a root element that contains patient and provider records.

Overview of UML:

- UML diagram has 2 main class named patient and providers with many to many relationship.
- A treatment type with generalization of drugtreatment ,radiology and surgery.

Observations:

- Main difficulties I encounters are changes of namespace prefix in oxygen!
- Oxygen is more better in way of usin in type substitutability rather than eclipse
- Type substitution is more tricky than element substitution.