

Assignment - os

Task :- Design and implement design models from analysis model.

Objectives:-

- 1) To identify design level classes
- 2) To draw design level model using analysis model
- 3) Implement design - class diagram using OCL

Prerequisites:-

- 1) Ubuntu/Linux OS
- 2) Any UML 2.0 tool
- 3) Eclipse with Java API

Theory:-

Design Model:- The analysis model is refined and formalized to get a design model. Design modelling means refinement of analysis level models to adapt to the actual implementation environment.

Design level class diagrams:-

As the blueprints of a system class diagram model the objects that make up the system, allowing to display the relationships among those objects and to describe what the objects can do the or services they can provide.

Abstraction relationship:- It is a relationship b/w two classes that describe the reasons for the relationship and the rules that govern the relationship

Realization relationship:-

It is a relationship b/w two model elements, in which one model element realizes the behavior that the other model element specifies

Visibility in class diagram:-

- 1) private visibility allows only those classes to see view the vertex information
- 2) public visibility allows all other classes to view the model in

Conclusion:-

Thus we have thoroughly studied and implemented design class model