Today's Students to define Tomorrow's World....

the enistence of pass along this path Synchronization: Whenever one object passes a message to another across a link, the two objects are said to be Synchronized. Active objects embody their own thread of control, so we expect their semantics to be guaranted in the presence of other active & Aggregation: Temperature Controller ted + schedule() whereas links denote peer to peer on client supplier relationships, aggregation denotes a whole part hierarchy, with the ability to navigate from the whole to its parts. Aggregation is a specialized kind of association. Aggregation may on may not denote joy. nis physical contatement. E.g. airplane es composed of wings, landing gear, and so on 25 & How to identify the classes and objects? classical and modern approaches: There are three UT general appraaches to classification of classical categorization 2. Conceptual clustering 3 prototypal theory

General categorizations: All the entities that have a given proporty (or) collection of properties in common forms a category. Such properties are necessary and Sufficient to define the category is married people. Constitute a category fie cithur married or not. The values of this proporty are sufficient to decide to which group a particular person belongs to the category of tall short people, where we can agree to some absolute critoria.

3 conceptual clustering: It is a more modern traviation of the classical approach and largely derives from attempts to explain how knowledge. Is represented in this approach, classes are generalidely first formulating conceptual description of these

chasses and then classifying the entities according to the descriptions equipment state a concept such as "Love Song". This is a concept more than approperty

3. Parototype theory: -

a class of objects is represented by apprototypical object can object is considered to be a member of this class if and only if it resembles this prototype in significant ways. e-g category like games not in classical since mo single common properties shared by augames, eg. classifying chairs, barber chairs, in prototypes theory, we group things according to the degree of their relationship to concrete prototypes.

Preparing Today's Študents to define Tomorrow's World....

3, Discuss about the interplay of classes and A) * classes and objects one separate yet entimately of related concepts * specifically, every object is the instance of some n class, and every class has zero on more instancy. * For all applications, classes are state, therefore their existence semantics and relationships one fixed poilon to the execution of apriogram * similarly, the do 55 of most objects is static meaning that once an object is created its class 15 fined Relationship blw classes and objects: For example, consider the classes and oyeds in my the emplementation of an air traffic control system. Some of the more emportant abstractions include planes, flights plans, runways and airspaces. These classes and objects one relatively static. conversely, the instances of these classes are dynamic -At a fairly slow rate, new own ways one built and old ones are deachirated & Explain about the Importance of proper Classification of classes and objects ? classification is the means whomly we order Knowledge. There is no any golden path to classification and differt sociented development

Assignment No. The identification of classes and objects is the hardest part of object oriented analysis and design, identification involves both discovery and invention Disconery helps to sucognize the key abstractions & mechanisms that from the vacubulary of own problem domain. Through invention, we desire generalized abstractions as well as new mechanisms that Sperify how objects alloborate discourage and Inventions are both problems of classifications Intelligent classification is actually a part of all good science class of should be meaningful is relevant to every speed aspert of object oriented doce - classes halo us to Edentily asperalization