# **DB/EXPO '91**

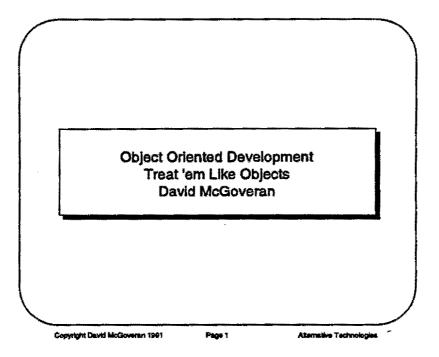


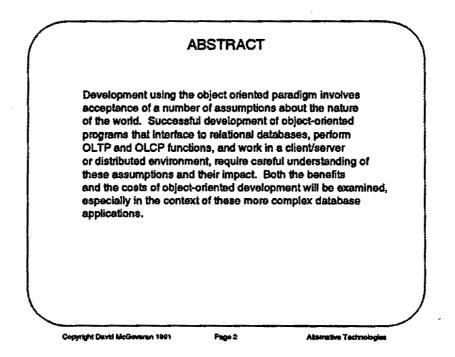
Section B12

## **Object-Oriented Development:**

### **Treat 'em like Objects**

David McGoveran President - Alternative Technologies Principal - Database Associates ٠.



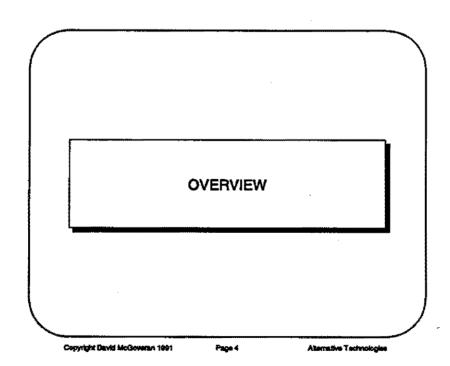


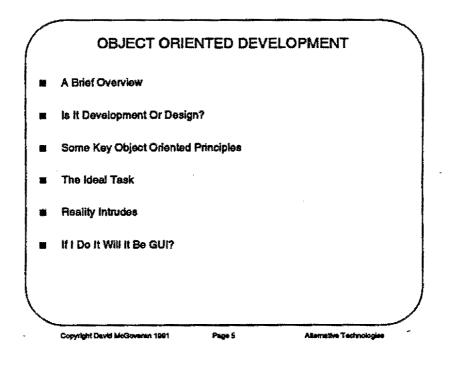
### BIOGRAPHY David McGoveran co-founded and is a Principal of Database Associates, along with Richard Finkelstein, Colin White and Paul Winsberg. He is President of Alternative Technologies, a Santa Cruz, California firm which has specialized in complex relational database applications for over ten years and which is an affiliate of Database Associates. Mr. McGoveran designed and developed the first commercial CIM system using a relational database. He has authored numerous technical articles and has lectured around the world. Author of the forthcoming 'Guide to Sybase SQL Server' with Chris Date, he serves as an associate editor of infoDB magazine. Mr. McGoveran is listed in Who's Who in the World and Who's Who in the Computer Industry. He can be contacted at Alternative Technologies - 408-425 1859.

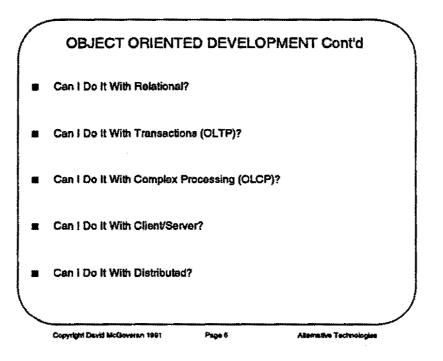
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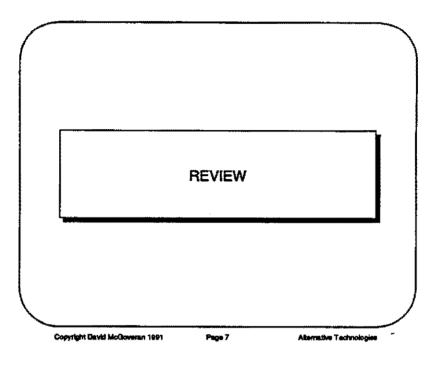
Page 3

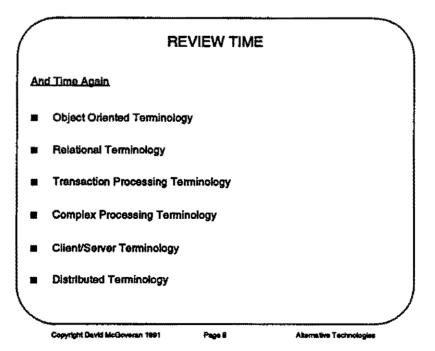
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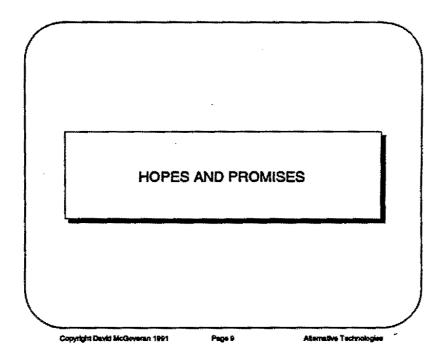


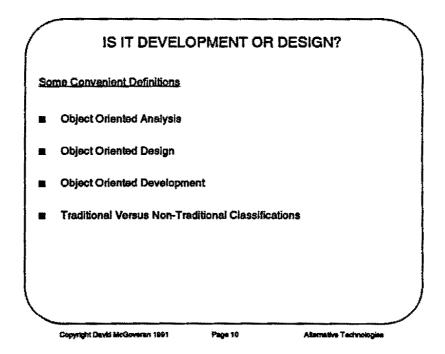


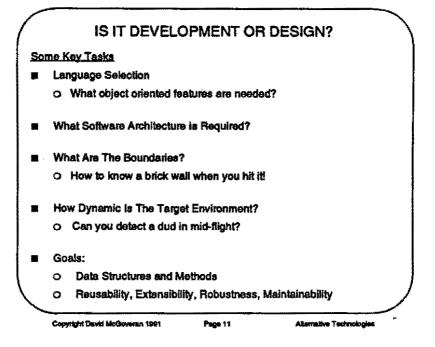


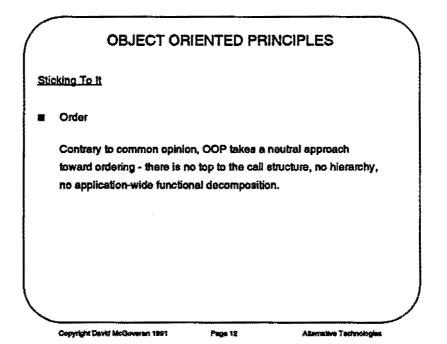


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#### **OBJECT ORIENTED PRINCIPLES**

#### Sticking To It Confd

- This Assumes A Complete Orthogonal Basis
   A minimal set of classes (called the Basis) exist such that:
  - Every class to be implemented consists solely of properties and services held by the union of this set of classes
  - Each class of the basis shares no properties or services with any other class of the Basis
  - No superclass or any of the basic classes will be created i.e. the classes to be implemented require only multiple inheritance from classes in the Basis.

Page 13

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 THE IDEAL TASK

 If I Controlled Everything

 All Objects Well Defined

 All Objects Stable

 All Objects "Universal"

 Everything An "Object"

