Introduction to Data Layer Design

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- Persistence
- Layer Configuration
- References

Introduction

What is, and how do we get, persistence?

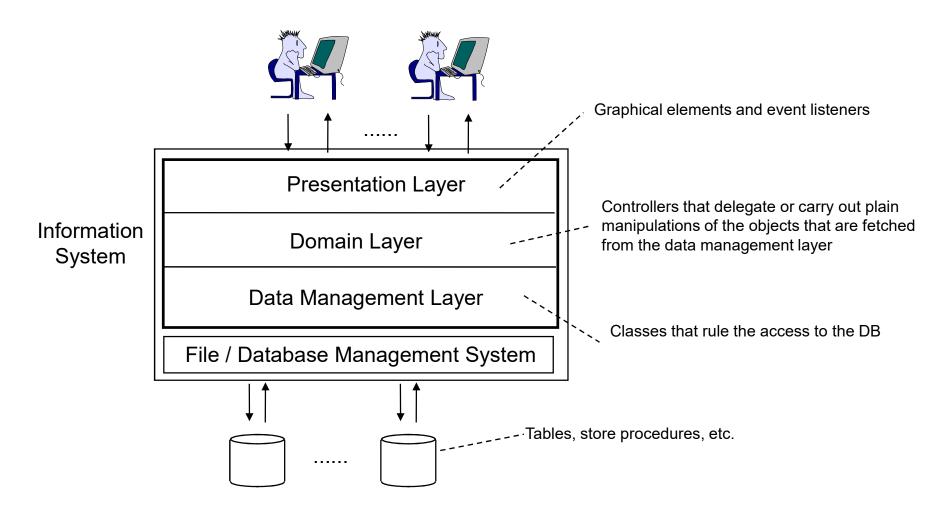
Persistence:

 ability that most software systems require for storing and obtaining data using a permanent storage system

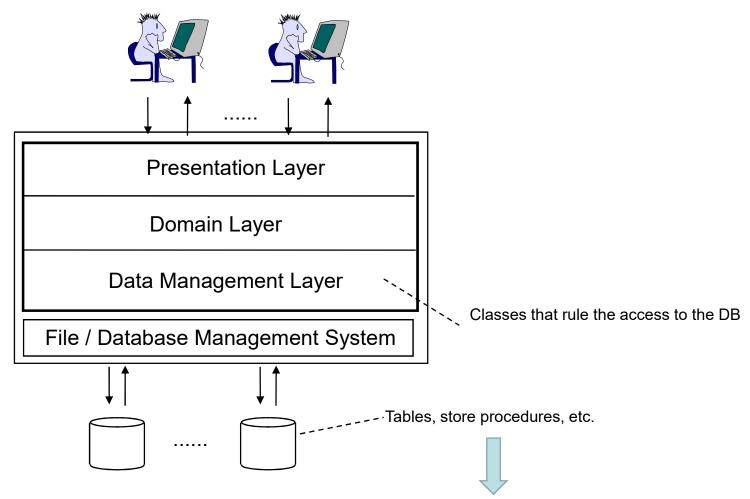
• Objects can be made persistent by using:

- Object-oriented data bases
- Relational data bases
- Object-relational data bases
- XML files
- etc.

Layer Configuration



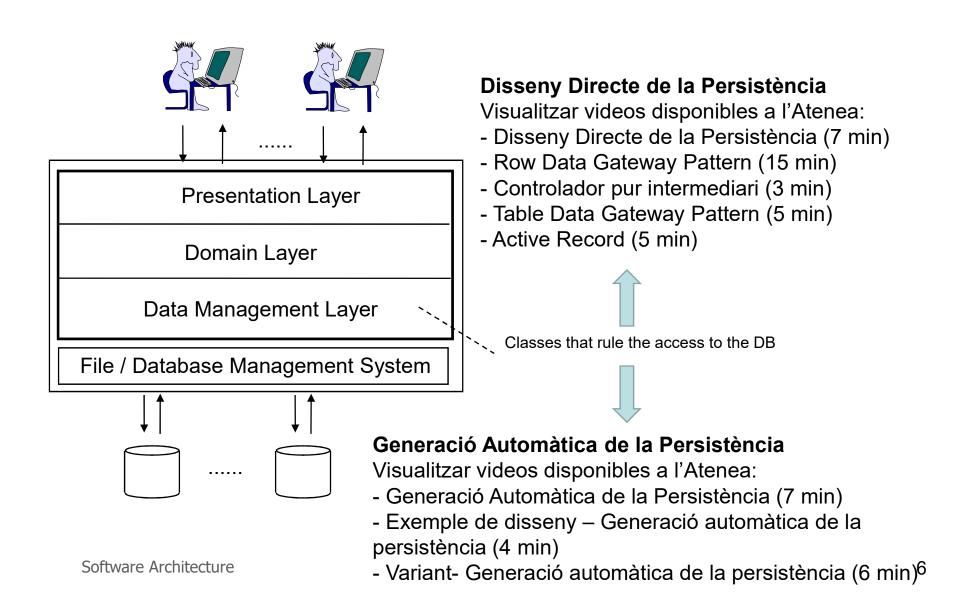
Layer Configuration



Consultar transparències disponibles a l'Atenea:

- Unit 3.4. Data Layer Design Database design (amb link a video amb explicació)
- Relational databases design (transpes BD)
 Software Architecture

Layer Configuration



References

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 Patterns of Enterprise Application Architecture
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- J.Melton, A.Eisenberg
 Understanding SQL and Java Together
 Morgan-Kaufmann, 2000.
- Christian Bauer, Gavin King
 Hibernate in Action
 Manning Publications Company, 2004