# JEE - Persistent Entities & JPA (12.04.22)

* Repository
  + Datenzugriffsschicht

Diagram

Description automatically generated

* Datenobjekte
  + Geschäftsdaten innerhalb Anwendung
  + In DB -> relationale Daten in der OO-ModellierungDiagram

    Description automatically generated
* O/R Mapping
  + Objektwelt / Relationale Welt
    - Value Objects, Entities / Datenbank
* Diagram

  Description automatically generated
* Data Access Objects (DAO)
* Java Persistence API (JPA)

Diagram, Teams

Description automatically generated

* Persistence Provider

Diagram

Description automatically generated

* Implementation
  + Durch Frameworks
    - Annotations
  + 1:N Relationship in Java (manually)
    - Class Notebook
      * id (pk)
      * List<Note> notes;
        + //notebook has many notes
    - Class Notes
      * Id(pk)
      * Notebook notebook;
        + //notes belong to one notebook
* See slides for List of Annotations

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