Reading Assignment 3

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Read through the sections:

* Reasons that led to the creation of JPA
* What is JPA? What is a JPA Implementation?
* What is the persistence.xml file used for? And its configurations?
* Entity definitions. What are the Logic and Physical annotations?
* How to get an EntityManager

Answer three questions:

1. Why does JPA come in different implementations (Hibernate, EclipseLink, ...)

JPA comes in different implementations because different people found different solutions to what they felt were the biggest problems with objection orientation mapping to a database using JDBC. This resulted in everything to free and paid options on how to map that data.

1. What is the motivation behind the JPA Persistemce Unit (persistence.xml)?

The motivation or use of JPA Persistence Unit is to configure the JPA environment. It allows us to store databases, application and JPA implementation specific configurations. Its basically a rules file that stays consistent.

1. What are two of the functions of an EntityManager?
   1. Find, this allows you to find things such as the primary key
   2. Flush, this lets you “Synchronize the persistence context to the underlying database.”

<https://docs.oracle.com/javaee/7/api/javax/persistence/EntityManager.html#:~:targetText=The%20EntityManager%20API%20is%20used,defined%20by%20a%20persistence%20unit.>

<https://github.com/BOwsnicki/Distrib/blob/master/readers/JPA_Mini_Book.pdf>