

JPA workshop - part 2:

7. Make sure all classes in the entity package has a default constructor.
 - a. Commit.
8. Turn Product, AppUser, OrderItem and ProductOrder into entities.
 - a. Configure so that OrderItem has an eager @ManyToOne relationship with Product
 - b. Configure so that OrderItem has a lazy @ManyToOne relationship with ProductOrder
 - c. Configure so that ProductOrder has a @OneToMany relationship with OrderItem. Set orphanremoval to true.
ProductOrder should also have a @ManyToOne relationship with AppUser.
 - d. Testrun your application.
 - e. Commit
9. Create a package called data.
 - a. Create Repository or DAO class (with interface) for Product and define CRUD
 - i. In addition to CRUD add a search method that find products by productname.
 - ii. Integration test your class / interface for code YOU wrote.
 - iii. Commit
 - b. Create Repository or DAO class (with interface) for AppUser and define CRUD.
 - i. Add functionality to find an AppUser by email in the class/repository. Make the method return Optional<AppUser>.
 - c. Create Repository or DAO class (with interface) for OrderItem and define CRUD
 - i. Integration test your class / interface for code YOU wrote.
 - ii. Commit
 - d. Create Repository or DAO class (with interface) for ProductOrder and define CRUD.
 - i. Add functionality to find ProductOrders by **DATE**. Refactoring may be needed.
 - ii. Add functionality to find ProductOrders by productid (in Product).
 - iii. Add functionality to find ProductOrders by productName (in Product).
 - iv. Add functionality to find ProductOrders by AppUser id.
 - v. Integration test your class / interface for code YOU wrote.
 - vi. Commit.