

Advanced Data Bases TC3041 – ITESM Puebla  
Professor: Dr. Daniel Pérez Rojas

Homework 2.4 – Library DB

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20/03/2018

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This homework required a front-end for our previously developed database of a library. However, only 2 CRUD scenarios were asked from us and so, we chose to elaborate on Loans and Returns, which are the main action one can do on a library. We soon realized that to make a loan, one would need to see what books are available, to return a book, fines would need to be displayed in case it wasn’t returned on time, etc. This meant we would have to do some extra functions and files to make the system work.

# Implementation

We followed extremely closely the latest PHP example project provided in class. The idea behind it, is using a class corresponding to the desired entity, and write a method for retrieving, updating, deleting and inserting from and into the database. Said PHP class has the same attributes as its database counterpart, with setters for external files to modify them. We also declared interfaces for all methods to implement in each class (save, get, delete and update methods).

# Screenshots on Server