

San José State University
Department of Computer Engineering

CMPE 226
Database Systems
Spring 2017
Instructor: Ron Mak

Assignment #5

Assigned: Tuesday, March 7
Due: Tuesday, March 14 at 11:59 pm
Team assignment, 100 points max

Object-relational mapping

The purpose of this assignment is to give your team practice with object-oriented PHP and object-relational mapping (ORM) with PDO.

Build upon your work for Assignment #4. Convert your server code to object-oriented PHP. Use ORM via PDO to retrieve data from your database as objects. You do not need to recreate all the joins from Assignment #4, and you can add new joins as required for your project.

Use functions with type hinting.

What to turn in

Create a zip file named after your team (e.g., **Supercoders.zip**) containing:

- Screen shots from your project showing user input in HTML forms and dynamically generated pages that include output from the resulting joins.
- Your .html and .php files.
- A dump of your MySQL database created with phpMyAdmin or the mysqldump utility.

Submit into Canvas: **Assignment #5**

Rubrics

Criteria	Max points
<ul style="list-style-type: none">• PHP classes• ORM via PDO<ul style="list-style-type: none">◦ <code>setFetchMode</code> with <code>PDO::FETCH_CLASS</code>◦ method calls on the objects• Functions with type hinting• Screen shots of user input via HTML forms and the resulting generated web pages showing the join output• PHP and HTML files• Database dump	<ul style="list-style-type: none">• 30<ul style="list-style-type: none">◦ 10◦ 30• 10• 10• 5• 5