

Week 10 Coding Assignment (Late) By: Dylan Decker

Background

We have been developing a menu-driven application that demonstrates how to perform CRUD (Create, Read, Update, Read) operations on a DIY project database. Thus far, we have learned how to create a connection to a MySQL database and how to insert records into a table. In this section, we will apply our knowledge of querying data to list all projects without project details, and to list a single project with all details.

Objectives

In these exercises, you will expand the menu application to list all projects (name and ID). Then, you will write code to select a project to edit. This will involve returning a selected project along with all project details. This will further our pursuit of implementing CRUD operations on database tables.

In these exercises, you will:

- Hone your SQL query skills by writing SQL statements to fetch a List of Project records.

- Learn how to perform multiple queries in a single transaction.

- Write an inner join to fetch category rows related to a project row.

- Use an Optional to either return a project record or to throw a custom Exception.

- Practice writing Lambda expressions both to list the projects and to throw a custom Exception from an Optional.

Youtube Link : <https://www.youtube.com/watch?v=SONYvcfVJCc>

Repository Link: <https://github.com/DylanDecker00/projectWeek8>