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Duration: 2 hours Marks: \_\_\_\_\_/20

**Starter project:**

Get the starter project from blackboard and load it in VS Code (It is incomplete so won’t run as is).

**SQL script:**

Get the scratch-mysql.sql script from blackboard.

Run the sql script in workbench and verify the schema creation and tables addition.

**Item** table of scratch schema will be used for completing the Test.

Note: Database.java file is already added, and the database connection details provided. **Modify username and password to match yours.**

**Entity:**

Look at the item table for details of the fields and add fields to Item entity to match the item table.

**ItemDao:**

Create ItemDao within the daos folder and make it implement the Dao interface.

Implement the required methods in the ItemDao (Dao.java already have the method definitions needed).

There should be implementation for all the listed methods:

List<T> findAll();

T findById(PK pk);

void insert(T item);

Boolean update(T item); (For update , update the **description** field for the Item)

Boolean delete(PK pk);

**App.java:**

In App.java, demonstrate that each of the ItemDao methods work as expected.

I should be able to run the project and test for findAll, Insert, Update, findById and delete.

**Code Commenting:**

Comment the code to describe the functionality.

**Git Commit:**

Commit your project files to the local repo with an appropriate message.

**Submit a zip folder onto blackboard.**

Before submitting, check that all the requirements are met. If you are not able to finish all the requirements, still submit what you have for partial marks and leave a message with the submission.