Application Details

Create a Bible Verse application given the following business requirements:

Import an existing data source into a SQL server. Use "scrollmapper/bible\_databases," located in your assigned readings, to download a MS SQL version of the import file.

Create a Bible Verse Search page with a search form that contains the following form elements:

1. Option to search Old Testament, New Testament, or both.
2. Input for search term.
3. Search Button (that will search in the database table for the Bible verse).*(See Search Example image)*

Display Form

When performing a search, display a list of all of the verses that contain the key word or phrase entered by the user. *(See Display Example image)*

All data entered in all forms must have the proper data types, with data validation, and display proper data entry error messages to the user.

Technical Requirements:

1. Must be designed using N-Layer web architecture.
2. Must be designed using a data access object (DAO) design pattern.
3. Must be designed using object-oriented programming (OOP) principles.
4. All classes must be fully documented, including a source file header and header for each class.
5. All class methods must be fully documented, including a class header that includes a description of the method, all methods, all return values, and any exceptions thrown.
6. All class method implementation must be fully documented with single inline comments.

Deliverables and Submission (each individual team member):

A design report document with the following elements:

1. Explanation of the technical approach taken to design and implement the application, including a detailed list of all classes, methods, variables, and beans, as appropriate and relevant to your application. Use UML diagrams as necessary.
2. Explanation of how this application would be used to impact a Christian community, how would it serve the customer, and what problems it solves.
3. ER diagram of the database designed.
4. Screenshots of all data entry forms, data entry forms with data validation errors, and a search result.
5. Upload the design document to the digital classroom and a ZIP file of source code.

APA style is not required, but solid academic writing is expected.

This assignment uses a rubric. Review the rubric prior to beginning the assignment to become familiar with the expectations for successful completion.

You are not required to submit this assignment to LopesWrite.