

W03 Tea



Quiz submitted



- Due Sep 18 at 11:59pm
- Points 10
- Questions 5
- Available until Oct 2 at 11:59pm
- Time Limit None
- Allowed Attempts 3

Instructions

1. Meet with your team and follow the instructions for the [Encapsulation Design Activity. \(https://byui-cse.github.io/cse210-ww-course/week03/design.html\)](https://byui-cse.github.io/cse210-ww-course/week03/design.html)
2. Each person should **individually** take this quiz to evaluate the design you created.

Take the Quiz Again

Attempt History

	Attempt	Time	Score
KEPT	Attempt 2	5 minutes	10 out of 10
LATEST	Attempt 2	5 minutes	10 out of 10
	Attempt 1	2 minutes	6 out of 10

❗ Correct answers are hidden.

Score for this attempt: 10 out of 10

Submitted Oct 2 at 12:12am

This attempt took 5 minutes.



Question 1

2 / 2 pts

You could consider creating a `Hider` class that has the responsibility for hiding the words in the scripture. What would be drawbacks of creating a `Hider` class instead of leaving that responsibility to the `Scripture` and `Word` classes?

- ☐ A Hider class would introduce an additional set of methods that would have to be accounted for.
- ☐ There are not really any drawbacks. It is simply not necessary.
- ☐ Adding a separate Hider class would cause significant overhead and cause the program to run more slowly.
- ☒ A Hider class would need to know the details of the other classes to make them hidden.



Question 2

2 / 2 pts

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Which other methods should be called by the `Scripture` class's `HideRandomWords` method to help do its work? (Select all that apply.)

- ☐ The `GetDisplayText()` method on the Word objects.
- ☐ The `GetDisplayText()` method on the Scripture object.
- ☐ The Word class constructor.
- ☒ The `Hide()` method on the Word objects.



Question 3

2 / 2 pts

What is a benefit of the `Reference` class containing its own `GetDisplayText` method, instead of having the Scripture class display the book chapter and verse directly?

- ☐ If the reference is ever used in a different context, this method can be easily reused.



If the Scripture class displayed the values, it would make it more difficult to update the Reference class in the future to store its data differently.



It will be easier to debug and fix a problem, because there will be a single spot in the code that is always used for this functionality.

- ☒ All of these are benefits.



Question 4

2 / 2 pts

What is a benefit of the `Scripture` containing a list of `Word` objects instead of a list of strings?

- ☐ It allows the Scripture to contain the Reference as well.
- ☐ It allows the Scripture class to iterate through the entire text of the scripture more easily.
- ☒ It allows the Word objects to encapsulate any functionality related to words.
- ☐ It allows the Word objects to be combined as text instead of being displayed directly to the console.



Question 5

2 / 2 pts

What is a benefit of passing the string containing the text of the verse to the `Scripture` constructor rather than passing it a List of `Word` objects?

- ☐ It simplifies the logic in the Scripture class constructor.
- ☐ All of these are benefits.
- ☐ It simplifies the logic of the Word class constructor.
- ☒ It puts all of the logic around how the scripture works internally inside the Scripture class.

Quiz Score: 10 out of 10



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