Signature

Name:

**CSE102 Programming Languages II Quiz #12**

1. What is the main functional difference between ChoiceBox and ComboBox?
2. ChoiceBox allows single selection while ComboBox allows multiple selections.
3. The order of options is adjustable in ChoiceBox but not in ComboBox.
4. ComboBox takes a generic type argument while ChoiceBox does not.
5. ComboBox has an option which allows user to enter a custom value besides the predefined options.
6. What is the main functional difference between ToggleButton and RadioButton?
7. RadioButton cannot be a member of a ToggleGroup while ToggleButton can.
8. When grouped with a ToggleGroup you can select multiple ToggleButtons while you cannot do the same thing with RadioButtons.
9. RadioButtons cannot be deselected while ToggleButtons can.
10. They are identical functionally, only their appearance differ.

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1. The following code is supposed to get a new image from the specified URL each time the user presses the button. Write the appropriate event handler for the button.

**public** **void** start(Stage stage) {

BorderPane root = **new** BorderPane();

String imgUrl = "https://picsum.photos/500";

Button button = **new** Button("change");

ImageView img = **new** ImageView(imgUrl);

root.setCenter(img);

root.setBottom(button);

BorderPane.*setAlignment*(button, Pos.***CENTER***);

button.setOnAction(e -> {

img.setImage(**new** Image(imgUrl));

});

Scene scene = **new** Scene(root);

stage.setScene(scene);

stage.show();

}

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