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BusinessLaw.swift
    FBLA-QuizME
import Foundation
import UIKit
import MessageUI
class BusinessLaw: UIViewController {
    // Set up variables that represent labels and buttons on the storyboard
   @IBOutlet weak var QuestionLabel: UILabel!
   @IBOutlet weak var Answer1: UIButton!
    @IBOutlet weak var Answer2: UIButton!
    @IBOutlet weak var Answer3: UIButton!
   @IBOutlet weak var Answer4: UIButton!
   @IBOutlet weak var NextQuestion: UIButton!
   @IBOutlet weak var ScoreLabel: UILabel!
   var randomQuestionArray:[Int] = [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]
    override func viewDidLoad() {
        super.viewDidLoad()
        NextQuestion.isHidden = true
        Answer1.layer.borderWidth=1
        Answer1.layer.borderColor=UIColor.darkGray.cgColor
        Answer1.layer.cornerRadius=5
        Answer2.layer.borderWidth=1
        Answer2.layer.borderColor=UIColor.darkGray.cgColor
        Answer2.layer.cornerRadius=5
        Answer3.layer.borderWidth=1
        Answer3.layer.borderColor=UIColor.darkGray.cgColor
        Answer3.layer.cornerRadius=5
        Answer4.layer.borderWidth=1
        Answer4.layer.borderColor=UIColor.darkGray.cgColor
        Answer4.layer.cornerRadius=5
        Answer1Correct = false
        Answer2Correct = false
        Answer3Correct = false
        Answer4Correct = false
        RandomQuestions()
        ScoreNumber = 0
    }
    override func didReceiveMemoryWarning() {
        super.didReceiveMemoryWarning()
        // Dispose of any resources that can be recreated.
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func rightAnswer() {
          NextQuestion.isHidden = false
          ScoreNumber = Int(ScoreNumber) + 2
          ScoreLabel.text = String(format: "%i", ScoreNumber)
     }
     func wrongAnswer() {
          ScoreNumber = Int(ScoreNumber) - 1
          ScoreLabel.text = String(format: "%i", ScoreNumber)
     }
     func RandomQuestions(){
          Answer1.isEnabled = true
          Answer2.isEnabled = true
          Answer3.isEnabled = true
          Answer4.isEnabled = true
          // This makes randomIndex represent the number of questions available for this
          let randomIndex = Int(arc4random uniform(UInt32(randomQuestionArray.count)))
answered
          if randomQuestionArray.count > -1 {
                switch (randomQuestionArray[randomIndex]) {
                case 0:
                      QuestionLabel.text = "The laws of the United States are virtually all
based on"
                     Answer1.setTitle("the Roman Code", for: .normal)
Answer2.setTitle("administrative law", for: .normal)
Answer3.setTitle("common law", for: .normal)
Answer4.setTitle("moral law", for: .normal)
                     Answer3Correct = true
                case 1:
                     QuestionLabel.text = "Charging more than the maximum legal interest
                     Answer1.setTitle("fraud", for: .normal)
Answer2.setTitle("usury", for: .normal)
Answer3.setTitle("extortion", for: .normal)
Answer4.setTitle("price-fixing", for: .normal)
                      Answer2Correct = true
                case 2:
                      QuestionLabel.text = "Charge accounts are examples of"
                     Answer1.setTitle("usury", for: .normal)
Answer2.setTitle("open-end credit", for: .normal)
Answer3.setTitle("secured loans", for: .normal)
Answer4.setTitle("closed-end credit", for: .normal)
                      Answer2Correct = true
                case 3:
                      QuestionLabel.text = "Most partnership law is set forth in the"
                     Answer1.setTitle("Articles of Partnership", for: .normal)
Answer2.setTitle("Uniform Commercial Code", for: .normal)
                      Answer3.setTitle("Uniform Partnership Act", for: .normal)
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Answer4.setTitle("Tenancy in Partnership Act", for: .normal)
                      Answer3Correct = true
                case 4:
                      QuestionLabel.text = "All corporations issue"
                     Answer1.setTitle("preferred stock", for: .normal)
Answer2.setTitle("par value stock", for: .normal)
                      Answer3.setTitle("common stock", for: .normal)
                      Answer4.setTitle("no-par value stock", for: .normal)
                      Answer3Correct = true
                case 5:
                      QuestionLabel.text = "Breaking and entering with the intent to commit
                     Answer1.setTitle("burglary", for: .normal)
Answer2.setTitle("robbery", for: .normal)
Answer3.setTitle("larceny", for: .normal)
                      Answer4.setTitle("embezzlement", for: .normal)
                      Answer1Correct = true
                case 6:
                      QuestionLabel.text = "Insurance that protects the insured's car from
acts of nature, vandalism, or theft is"
                      Answer1.setTitle("comprehensive insurance", for: .normal)
                      Answer2.setTitle("property damage liability insurance", for: .normal)
                      Answer3.setTitle("collision insurance", for: .normal)
                      Answer4.setTitle("no-fault insurance", for: .normal)
                      Answer1Correct = true
                case 7:
                      QuestionLabel.text = "Making false statements under oath in court is"
                     Answer1.setTitle("perjury", for: .normal)
Answer2.setTitle("usury", for: .normal)
Answer3.setTitle("breach of evidence", for: .normal)
                      Answer4.setTitle("jeopardy", for: .normal)
                      Answer1Correct = true
                case 8:
                      QuestionLabel.text = "Fulfilling all terms of a contract properly and
totally is called'
                      Answer1.setTitle("satisfactory performance", for: .normal)
Answer2.setTitle("substantial performance", for: .normal)
Answer3.setTitle("complete performance", for: .normal)
Answer4.setTitle("tender of performance", for: .normal)
                      Answer3Correct = true
                case 9:
                      QuestionLabel.text = "A low down payment and smaller monthly payments
are advantages of
                      Answer1.setTitle("buying", for: .normal)
Answer2.setTitle("financing", for: .normal)
Answer3.setTitle("leasing", for: .normal)
Answer4.setTitle("loaning.", for: .normal)
                      Answer3Correct = true
                case 10:
                      QuestionLabel.text = "Goods that presently exist and are the subject
                     Answer1.setTitle("specific goods", for: .normal)
Answer2.setTitle("real goods", for: .normal)
Answer3.setTitle("tangible goods", for: .normal)
Answer4.setTitle("identified goods", for: .normal)
                      Answer4Correct = true
                case 11:
                      QuestionLabel.text = "The detailed view of a stock offering that must
                      Answer1.setTitle("prospectusc", for: .normal)
                      Answer2.setTitle("registration statement", for: .normal)
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Answer3.setTitle("financial statement", for: .normal)
                  Answer4.setTitle("commerce clause", for: .normal)
                  Answer1Correct = true
              case 12:
                  QuestionLabel.text = "A mortgage with a fixed interest rate and
increasing monthly payments is a"
                  Answer1.setTitle("fixed-rate mortgage", for: .normal)
                  Answer2.setTitle("balloon mortgage", for: .normal)
                  Answer3.setTitle("graduated-payment mortgage", for: .normal)
                  Answer4.setTitle("variable-rate mortgage", for: .normal)
                  Answer3Correct = true
             default:
                  break
              randomQuestionArray.remove(at: randomIndex)
         }
         if (randomQuestionArray.count < 1) {</pre>
              let alert = UIAlertController(title: "Wow!", message: "You have reached
the last question for Business Law! Nice Job! Complete this question and then click on
 Your Score' for a rating!", preferredStyle: .alert)
alert.addAction(UIAlertAction(title: "Continue", style: .default, handler:
{ action in
                  switch action.style{
                  case .default:
                       print("default")
                  case .cancel:
                       print("cancel")
                  case .destructive:
                      print("destructive")
                  }}))
              self.present(alert, animated: true, completion: nil)
             NextQuestion.isEnabled = false
         if (randomQuestionArray.count == 0) {
             let alert = UIAlertController(title: "Wow!", message: "You got
\(ScoreNumber) out of 13 questions correct nice job! To see a detailed breakdown of your score, click-Your Score-next to your score number.", preferredStyle: .alert) alert.addAction(UIAlertAction(title: "Continue", style: .default, handler:
{ action in
                  switch action.style{
                  case .default:
                       print("default")
                  case .cancel:
                       print("cancel")
                  case .destructive:
                      print("destructive")
             self.present(alert, animated: true, completion: nil)
    @IBAction func Answer1(_ sender: Any) {
         if Bool(Answer1Correct) == true +
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rightAnswer()
        Answer1.layer.backgroundColor = UIColor.green.cgColor
        Answer1.isEnabled = false
        Answer2.isEnabled = false
        Answer3.isEnabled = false
        Answer4.isEnabled = false
    } else {
        wrongAnswer()
        Answer1.layer.backgroundColor = UIColor.red.cgColor
        Answer1.isEnabled = false
    }
}
@IBAction func Answer2(_ sender: Any) {
    if Bool(Answer2Correct) == true {
        rightAnswer()
        Answer2.layer.backgroundColor = UIColor.green.cgColor
        Answer2.isEnabled = false
        Answer1.isEnabled = false
        Answer3.isEnabled = false
        Answer4.isEnabled = false
    } else {
        wrongAnswer()
        Answer2.layer.backgroundColor = UIColor.red.cgColor
        Answer2.isEnabled = false
    }
}
@IBAction func Answer3(_ sender: Any) {
    if Bool(Answer3Correct) == true {
        rightAnswer()
        Answer3.layer.backgroundColor = UIColor.green.cgColor
        Answer3.isEnabled = false
        Answer1.isEnabled = false
        Answer2.isEnabled = false
        Answer4.isEnabled = false
    } else {
        wrongAnswer()
        Answer3.layer.backgroundColor = UIColor.red.cgColor
        Answer3.isEnabled = false
    }
}
@IBAction func Answer4(_ sender: Any) {
    if Bool(Answer4Correct) == true {
        rightAnswer()
        Answer4.layer.backgroundColor = UIColor.green.cgColor
        Answer4.isEnabled = false
        Answer1.isEnabled = false
        Answer2.isEnabled = false
        Answer3.isEnabled = false
    } else {
        wrongAnswer()
        Answer4.layer.backgroundColor = UIColor.red.cgColor
        Answer4.isEnabled = false
    }
@IBAction func NextQuestion(_ sender: Any) {
   Answer1.layer.backgroundColor = UIColor.white.cgColor
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Answer2.layer.backgroundColor = UIColor.white.cgColor
Answer3.layer.backgroundColor = UIColor.white.cgColor
Answer4.layer.backgroundColor = UIColor.white.cgColor
NextQuestion.isHidden = true
Answer1Correct = false
Answer2Correct = false
Answer3Correct = false
Answer4Correct = false
RandomQuestions()
}
```