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FBLA-QuizME
    Created by Udit Garg on 11/28/18.
import Foundation
import UIKit
import MessageUI
class IntroToBusiness: UIViewController {
   @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()
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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 = "In a limited partnership, which of the
following remains bound by all debts of the business?"
                       Answer1.setTitle("The partner with the least capital investment",
for: .normal)
                       Answer2.setTitle("Limited partner", for: .normal)
Answer3.setTitle("Special partner", for: .normal)
Answer4.setTitle("General partner", for: .normal)
                       Answer4Correct = true
                   case 1:
                       QuestionLabel.text = "Which of the following would assume all
losses of a business?
                       Answer1.setTitle("The owner of a sole proprietorship", for:
.normal)
                       Answer2.setTitle("A limited partner", for: .normal)
                       Answer3.setTitle("A stockholder", for: .normal)
Answer4.setTitle("The CEO of a corporation", for: .normal)
                       Answer1Correct = true
                   case 2:
                       QuestionLabel.text = "Most businesses are"
                       Answer1.setTitle("limited partnerships", for: .normal)
                       Answer2.setTitle("corporations", for: .normal)
Answer3.setTitle("general partnerships", for: .normal)
Answer4.setTitle("sole proprietorships", for: .normal)
                       Answer4Correct = true
                   case 3:
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QuestionLabel.text = "A key characteristic of a partnership is
that each partner"
                          Answer1.setTitle("is capable of legally contracting.", for:
.normal)
                          Answer2.setTitle("must manage the business.", for: .normal)
                          Answer3.setTitle("has assets when the business dissolves.", for:
.normal)
                          Answer4.setTitle("must contribute capital to the business.", for:
.normal)
                          Answer1Correct = true
                     case 4:
                          QuestionLabel.text = "A corporate charter should"
                          Answer1.setTitle("follow state guidelines.", for: .normal)
Answer2.setTitle("include an organizational chart.", for: .normal)
                          Answer3.setTitle("be over 100 pages in length.", for: .normal)
                          Answer4.setTitle("be very similar to a prospectus.", for: .normal)
                          Answer1Correct = true
                     case 5:
                          QuestionLabel.text = "A corporation is chartered under"
                          Answer1.setTitle("international law.", for: .normal)
                          Answer2.setTitle("state law.", for: .normal)
                          Answer3.setTitle("local law.", for: .normal)
Answer4.setTitle("federal law.", for: .normal)
                          Answer2Correct = true
                     case 6:
                          QuestionLabel.text = "A disadvantage of a sole proprietorship is"
                          Answer1.setTitle("he cost of starting the business.", for:
.normal)
                          Answer2.setTitle("the lack of limits on personal liability.", for:
.normal)
                          Answer3.setTitle("the complexity of the organizational
hierarchy.", for: .normal)
                          Answer4.setTitle("the difficulty of dissolution.", for: .normal)
                          Answer2Correct = true
                     case 7:
QuestionLabel.text = "Some companies attempt to determine a customer's worth before doing business with that person. This practice is known as"

Answer1.setTitle("weblining.", for: .normal)

Answer2.setTitle("price gouging.", for: .normal)

Answer3.setTitle("webbing.", for: .normal)

Answer4.setTitle("exception.", for: .normal)
                          Answer1Correct = true
                     case 8:
                          QuestionLabel.text = "How do individuals in a partnership pay
                          Answer1.setTitle("They pay taxes as a partnership.", for: .normal)
                          Answer2.setTitle("They do not pay taxes; the business does.", for:
.normal)
                          Answer3.setTitle("They only pay taxes if they are shareholders.",
for: .normal)
                          Answer4.setTitle("The individuals pay taxes on the total income.",
for: .normal)
                          Answer4Correct = true
                     case 9:
                          QuestionLabel.text = "Subchapter \"S\" corporations are taxed as"
Answer1.setTitle("partnerships", for: .normal)
Answer2.setTitle("subchapter "C" corporations.", for: .normal)
Answer3.setTitle("proprietorships.", for: .normal)
Answer4.setTitle("multinational corporations.", for: .normal)
                          Answer1Correct = true
                     case 10:
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QuestionLabel.text = "Corporation \"X\" has gone into debt. Which
of the following would be liable for that debt? "
                     Answer1.setTitle("Jack, the corporation's CEO", for: .normal)
                     Answer2.setTitle("Jose, a common stockholder", for: .normal)
                     Answer3.setTitle("Lily, a member of the board of directors", for:
.normal)
                     Answer4.setTitle("All of the above", for: .normal)
                     Answer4Correct = true
                 case 11:
                     QuestionLabel.text = "Permission to incorporate a business comes
from the"
                     Answer1.setTitle("Department of Labor.", for: .normal)
                     Answer2.setTitle("Secretary of Commerce.", for: .normal)
Answer3.setTitle("state's Secretary of State.", for: .normal)
Answer4.setTitle("IRS.", for: .normal)
                     Answer2Correct = true
                 case 12:
                     QuestionLabel.text = "There are _____ Federal Reserve Banks and
         branches to those banks.'
                     Answer1.setTitle("2; 25", for: .normal)
Answer2.setTitle("50; 250", for: .normal)
Answer3.setTitle("12; 25", for: .normal)
Answer4.setTitle("100; 500", for: .normal)
                     Answer3Correct = true
                default:
                     break
            randomQuestionArray.remove(at: randomIndex)
        if (randomQuestionArray.count < 1) {</pre>
{ 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
{ action in
                 switch action.style{
                 case .default:
                    print("default")
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case .cancel:
                print("cancel")
            case .destructive:
                print("destructive")
            }}))
        self.present(alert, animated: true, completion: nil)
}
@IBAction func Answer1(_ sender: Any) {
    if Bool(Answer1Correct) == true {
        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
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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
    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()
```