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FBLA-QuizME
import Foundation
import UIKit
class Accounting2: 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()
        // 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:
                   OuestionLabel.text = "Some examples of plant assets are"
                   Answer1.setTitle("cash, supplies, and furniture.", for: .normal)
                   Answer2.setTitle("computers, cash registers, and display cases.", for:
.normal)
                   Answer3.setTitle("none of the answersare correct", for: .normal)
Answer4.setTitle("prepaid insurance, computers, and supplies.", for:
.normal)
                   Answer2Correct = true
              case 1:
                   QuestionLabel.text = "If a plant asset costs $700, has accumulated
depreciation of $550, and is sold for $100, the gain or loss on disposal is "
Answer1.setTitle("$50.00 loss.", for: .normal)
Answer2.setTitle("$150.00 loss.", for: .normal)
Answer3.setTitle("$450.00 gain.", for: .normal)
Answer4.setTitle("$100.00 gain.", for: .normal)
                   Answer1Correct = true
              case 2:
                   QuestionLabel.text = "When using the account form to prepare a balance
                   Answer1.setTitle("listed on the left side of the balance sheet.", for:
.normal)
                   Answer2.setTitle("not listed on the balance sheet.", for: .normal)
                   Answer3.setTitle("listed on both sides of the balance sheet.", for:
.normal)
                   Answer4.setTitle("listed on the right side of the balance sheet.",
for: .normal)
                   Answer1Correct = true
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case 3:
                     QuestionLabel.text = "A special journal used to record only sales on
                     Answer1.setTitle("none of the answers are correct", for: .normal)
                     Answer2.setTitle("a cash receipts journal.", for: .normal)
                     Answer3.setTitle("a cash journal.", for: .normal)
                     Answer4.setTitle("a purchases journal.", for: .normal)
                     Answer1Correct = true
                case 4:
                     QuestionLabel.text = "If merchandise is purchased for $1,000.00 on
August 1, with terms of sale of 2/10, n/30, the amount due to the vendor on August 9
                     Answer1.setTitle("$990.", for: .normal)
Answer2.setTitle("$1,000.", for: .normal)
Answer3.setTitle("$980", for: .normal)
                     Answer4.setTitle("$20", for: .normal)
                     Answer3Correct = true
                case 5:
                     QuestionLabel.text = "Ultimately purchases returns and allowances"
                     Answer1.setTitle("increase the amount of purchases.", for: .normal)
                     Answer2.setTitle("affect the cash flow.", for: .normal)
                     Answer3.setTitle("do not affect the amount of purchases.", for:
.normal)
                     Answer4.setTitle("decrease the amount of purchases.", for: .normal)
                     Answer4Correct = true
                case 6:
                     QuestionLabel.text = "For a sale on account of $1,000 with sales tax
of $80, the amount recorded in the Accounts Receivable amount column of a sales
journal is"
                     Answer1.setTitle("$1,080", for: .normal)
Answer2.setTitle("$920", for: .normal)
Answer3.setTitle("$80", for: .normal)
Answer4.setTitle("$1,000", for: .normal)
                     Answer1Correct = true
                case 7:
                     QuestionLabel.text = "The distribution of net income statement shows
                     Answer1.setTitle("total capital", for: .normal)
Answer2.setTitle("share of net income or net loss.", for: .normal)
Answer3.setTitle("none of the answers are correct", for: .normal)
Answer4.setTitle("share of withdrawals.", for: .normal)
                     Answer2Correct = true
                case 8:
                     QuestionLabel.text = "Action by a board of directors to distribute
corporate earnings is '
                     Answer1.setTitle("declaring a dividend.", for: .normal)
                     Answer1.setTitle("paying a dividend.", for: .normal)
Answer3.setTitle("net income.", for: .normal)
Answer4.setTitle("receiving payment on account.", for: .normal)
                     Answer1Correct = true
                case 9:
                     QuestionLabel.text = "Each employer must file a federal tax return
showing the federal income tax and social security and Medicare taxes due to the
government on Form "
                     Answer1.setTitle("941", for: .normal)
Answer2.setTitle("W-2", for: .normal)
Answer3.setTitle("940", for: .normal)
Answer4.setTitle("W-3.", for: .normal)
                     Answer1Correct = true
               case 10:
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QuestionLabel.text = "The person to whom the amount of a note is
pavable is "
                 Answer1.setTitle("the customer.", for: .normal)
                 Answer2.setTitle("none of the answers are correct", for: .normal)
                 Answer3.setTitle("the account receivable.", for: .normal)
Answer4.setTitle("the payee of the note.", for: .normal)
                 Answer4Correct = true
             case 11:
                 QuestionLabel.text = "A business form used to record payroll
information is called a _
                 Answer1.setTitle("check stub", for: .normal)
                 Answer2.setTitle("employee earnings record", for: .normal)
                 Answer3.setTitle("payroll register", for: .normal)
                 Answer4.setTitle("memorandum", for: .normal)
                 Answer3Correct = true
             case 12:
                 QuestionLabel.text = "Which of the following is NOT a way that a
business disposes of a plant asset?"
                 Answer1.setTitle("trading", for: .normal)
Answer2.setTitle("selling", for: .normal)
Answer3.setTitle("dicarding", for: .normal)
                 Answer4.setTitle("devaluing", for: .normal)
                 Answer4Correct = true
             default:
                 break
             randomQuestionArray.remove(at: randomIndex)
        }
        if (randomQuestionArray.count < 1) {</pre>
             let alert = UIAlertController(title: "Wow!", message: "You have reached
 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
{ action in
                 switch action.style{
                 case .default:
                     print("default")
                 case .cancel:
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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
        Answer1.isEnabled = false
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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()
```