UDACITY

You Decide!

A part of the iOS Developer Nanodegree Program

PROJECT REVIEW

CODE REVIEW 1

NOTES

▼ **VendaDeGaragem/AddSaleTableViewController.swift** 1

```swift
//
//  AddSaleTableViewController.swift
//  VendaDeGaragem
//
//  Created by Hoff Henry Pereira da Silva on 26/04/16.
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//

import UIKit
//import Firebase
import FBSDKCoreKit
import FBSDKLoginKit
import MapKit

class AddSaleTableViewController: UITableViewController, UITextFieldDelegat

    var statusVenda = [String]()
    var statusSelected = "Confirmada"
    var idOfUser = ""

    var table = UserTableViewController()


    var overlayView = UIView()

    var activityIndicator = UIActivityIndicatorView()

    var coordinates = CLLocationCoordinate2D()
    var vendaPersistence = VendaPersistence()
    var venda : Vendas!
    var locationManager: CLLocationManager!
    let parse = ParseConvenience()

    @IBAction func cancelar(sender: AnyObject) {
        self.dismissViewControllerAnimated(true, completion: nil)
    }

    @IBOutlet weak var textFieldNome: UITextField!

    @IBOutlet weak var datePickerData: UIDatePicker!
    @IBOutlet weak var datePickerHoraInicio: UIDatePicker!
    @IBOutlet weak var datePickerHoraTermino: UIDatePicker!
    @IBOutlet weak var aceitaCartao: UISwitch!
    @IBOutlet weak var pickerStatus: UIPickerView!
    override func viewDidLoad() {
        super.viewDidLoad()

        locationManager = CLLocationManager()
        locationManager.delegate = self
        locationManager.startUpdatingLocation()

        self.view.addGestureRecognizer(UITapGestureRecognizer(target: self,
        if verifyIfIsUpdate(){
            textFieldNome.text = venda.nome!
        }

        statusVenda = ["Confirmada", "Prevista", "Encerrada"]
        print(coordinates)
    }

    override func viewWillAppear(animated: Bool) {
        getFacebookId()

    }

```

```swift
66      func locationManagers(manager: CLLocationManager, didChangeAuthorizatio
67          switch status {
68          case .NotDetermined:
69              // If status has not yet been determied, ask for authorization
70              manager.requestWhenInUseAuthorization()
71              break
72          case .AuthorizedWhenInUse:
73              // If authorized when in use
74              manager.startUpdatingLocation()
75
76              break
77          case .AuthorizedAlways:
78              // If always authorized
79              manager.startUpdatingLocation()
80
81              break
82          case .Restricted:
83              // If restricted by e.g. parental controls. User can't enable L
84              break
85          case .Denied:
86              // If user denied your app access to Location Services, but can
87              break
88          default:
89              break
90          }
91      }
92
93      override func viewDidAppear(animated: Bool) {
94          super.viewDidAppear(animated)
95           //coordinates = getCoordinates()
96      }
97
98      @IBAction func publicarVenda(sender: AnyObject) {
99
100         validateFields()
101
102     }
103
104     func verifyIfIsUpdate() -> Bool {
105         if venda != nil{
106             return true
107         }else{
108             return false
109         }
110     }
111
112     func dismissKeyboard() {
113         self.view.endEditing(true)
114     }
115
116     func saveSale() {
117
118         print("\(formataData(datePickerData)) \n")
119         print("\(String(self.locationManager.location!.coordinate.latitude)
120         print("\(String(self.locationManager.location!.coordinate.longitude
121         print("\(getCard())\n")
122         print("\(formataHora(datePickerHoraInicio))\n")
123         print("\(formataHora(datePickerHoraTermino))\n")
124         print("\(textFieldNome.text!)\n")
125         print("\(statusSelected)\n")
126         print("\(idOfUser)")
```

As the previous reviewer, I'm experiencing crashes. I opened the "Add Venda" View, add the name for card is accepted, and chose the status "Confirmada", and then pressed the "publish" button, and the a

```swift
Tunc dismisskeyboard() {
    self.view.endEditing(true)
}

func saveSale() {

    print("\(formataData(datePickerData)) \n")
    print("\(String(self.locationManager.location!.        [Thread 1: EXC_BAD_INSTRUCT]
        coordinate.latitude))\n")
    print("\(String(self.locationManager.location!.coordinate.longitude))\n")
    print("\(getCard())\n")
    print("\(formataHora(datePickerHoraInicio))\n")
    print("\(formataHora(datePickerHoraTermino))\n")
    print("\(textFieldNome.text!)\n")
    print("\(statusSelected)\n")
    print("\(idOfUser)")

    var ltd = locationManager.location!.coordinate.latitude   [⚠ Variable 'ltd' wa]
    var lgt = locationManager.location!.coordinate.longitude
                                                              [⚠ Variable 'lgt' was never]
    print("Longitude: \(ltd)")
    print("Longitude: \(lgt)")
    loadActivityIndicator()
    parse.saveVenda(formataData(datePickerData), latitude: String(self.lo
        coordinate.latitude), longitude: String(self.locationManager.loca
        forma_pagamento: getCard(), hora_inicio: formataHora(datePickerHo
        formataHora(datePickerHoraTermino), nome: textFieldNome.text!, st
        idOfUser) { (networkConectionError) in

    if networkConectionError == true{
```

[ ] ▶ ▐▷ ⌂ ↧ ↥ | ▢ | ◁ | ● VendaDeGaragem 〉 ⊙ Thread 1 〉 👤 1 AddSaleTable

Ⓐ **self** = (VendaDeGaragem.AddSaleTableViewController) 0x00007fb4d59e0530   2016-05-04 01:31:(
                                                                             05/05/2016
Ⓛ **ltd** = (CLLocationDegrees) 2.2472521257428669E-314
                                                                             fatal error: unex
Ⓛ **lgt** = (CLLocationDegrees) 6.9374057081598867E-310   unwrapping an Opt:
                                                                             (lldb)

uto ◇ | ◉ ⓘ   [◉ Filter]   All Output ◇

```swift
127
128            var ltd = locationManager.location!.coordinate.latitude
129            var lgt = locationManager.location!.coordinate.longitude
130
131            print("Longitude: \(ltd)")
132            print("Longitude: \(lgt)")
133            loadActivityIndicator()
134            parse.saveVenda(formataData(datePickerData), latitude: String(s
135
136            if networkConectionError == true{
137                self.overlayView.removeFromSuperview()
138                self.showAlert(":(", message: "Internet conection was lost
139            }else{
140
141                self.vendaPersistence.saveVenda(self.formataData(self.dateP
142
143                self.parse.gettingVendas({ (networkConectionError) in
144                    print("Ok!")
145                    self.overlayView.removeFromSuperview()
146                    self.table.vendasOfUser(self.idOfUser)
147                    self.dismissViewControllerAnimated(true, completion: ni
148
149                })
150
151
152
```

```swift
153
154
155                 }
156             }
157
158     }
159
160     func updateSale() {
161         loadActivityIndicator()
162         var ltd = locationManager.location!.coordinate.latitude
163         var lgt = locationManager.location!.coordinate.longitude
164
165         print("Longitude: \(ltd)")
166         print("Longitude: \(lgt)")
167         parse.atualizarVenda(formataData(datePickerData), latitude: String(
168             if networkConectionError == true{
169                 self.overlayView.removeFromSuperview()
170                 self.showAlert(":(", message: "Internet conection was lost
171                 AddSaleTableViewController().dismissViewControllerAnimated(
172             }else{
173                 let objectVenda = self.vendaPersistence.vendaPorIdAzure(sel
174                 let obj = objectVenda[0] as NSManagedObject
175
176                 obj.setValue(self.formataData(self.datePickerData), forKey:
177                 obj.setValue(String(self.coordinates.latitude), forKey: "la
178                 obj.setValue(String(self.coordinates.longitude), forKey: "l
179                 obj.setValue(self.getCard(), forKey: "forma_pagamento")
180                 obj.setValue(self.formataHora(self.datePickerHoraInicio), f
181                 obj.setValue(self.formataHora(self.datePickerHoraTermino),
182                 obj.setValue(self.statusSelected, forKey: "status")
183                 obj.setValue(self.textFieldNome.text!, forKey: "nome")
184
185                 do{
186                     try obj.managedObjectContext?.save()
187                 }catch{
188                     let saveError = error as NSError
189                     print(saveError)
190                 }
191
192                 self.parse.gettingVendas({ (networkConectionError) in
193                     print("Ok!")
194                     self.overlayView.removeFromSuperview()
195
196                     self.dismissViewControllerAnimated(true, completion: ni
197                 })
198
199                 //self.dismissViewControllerAnimated(true, completion: nil)
200
201             }
202         }
203
204     }
205
206
207     func formataData(data: UIDatePicker) -> String{
208         var dateFormatter = NSDateFormatter()
209         dateFormatter.dateFormat = "dd/MM/yyyy"
210         var strDate = dateFormatter.stringFromDate(data.date)
211         return strDate
212     }
213
214     func formataHora(hora: UIDatePicker) -> String {
215         var horaFormatter = NSDateFormatter()
216         horaFormatter.dateFormat = "HH:mm"
217         var strHora = horaFormatter.stringFromDate(hora.date)
```

```swift
218        return strHora
219    }
220
221
222
223    func validateFields() {
224
225        var today = NSDate()
226        print(today)
227
228        if textFieldNome.text == "" {
229            let border = CALayer()
230            let width = CGFloat(2.0)
231            border.borderColor = UIColor.redColor().CGColor
232            border.frame = CGRect(x: 0, y: textFieldNome.frame.size.height
233            border.borderWidth = width
234            textFieldNome.layer.addSublayer(border)
235            textFieldNome.layer.masksToBounds = true
236            textFieldNome.becomeFirstResponder()
237            return
238        }else if datePickerHoraInicio.date.compare(datePickerHoraTermino.da
239            let border = CALayer()
240            let width = CGFloat(2.0)
241            border.borderColor = UIColor.redColor().CGColor
242            border.frame = CGRect(x: 0, y: datePickerHoraInicio.frame.size.
243            border.borderWidth = width
244            datePickerHoraInicio.layer.addSublayer(border)
245            datePickerHoraInicio.layer.masksToBounds = true
246
247            border.frame = CGRect(x: 0, y: datePickerHoraTermino.frame.size
248            border.borderWidth = width
249            datePickerHoraTermino.layer.addSublayer(border)
250            datePickerHoraTermino.layer.masksToBounds = true
251            datePickerHoraTermino.becomeFirstResponder()
252            return
253        }else if today.compare(datePickerData.date) == NSComparisonResult.O
254            let border = CALayer()
255            let width = CGFloat(2.0)
256            border.borderColor = UIColor.redColor().CGColor
257            border.frame = CGRect(x: 0, y: datePickerData.frame.size.height
258            border.borderWidth = width
259            datePickerData.layer.addSublayer(border)
260            datePickerData.layer.masksToBounds = true
261            datePickerData.becomeFirstResponder()
262            return
263
264        }
265        else{
266            if venda != nil{
267                updateSale()
268            }else{
269                saveSale()
270            }
271
272
273        }
274
275
276    }
277
278
279
280    func getCard() -> String {
281        if aceitaCartao.on{
282            return "sim"
283        }else{
```

```swift
        }else{
            return "nao"
        }
    }

    func getFacebookId() {
        let req = FBSDKGraphRequest(graphPath: "me", parameters: ["fields":
        req.startWithCompletionHandler({ (connection, result, error : NSErr
            if(error == nil)
            {
                print("result \(result)")
                if let idFacebook = result["id"]{
                    print(idFacebook)
                    self.idOfUser = "\(idFacebook!)"
                }
            }
            else
            {
                print("error \(error)")
                self.showAlertErrorFacebook("Facebook", message: "Internet
                self.dismissViewControllerAnimated(true, completion: nil)
            }
        })
    }



    override func didReceiveMemoryWarning() {
        super.didReceiveMemoryWarning()
        // Dispose of any resources that can be recreated.
    }


    // MARK: - Table view data source

    override func numberOfSectionsInTableView(tableView: UITableView) -> In
        // #warning Incomplete implementation, return the number of section
        return 1
    }

    override func tableView(tableView: UITableView, numberOfRowsInSection s
        // #warning Incomplete implementation, return the number of rows
        return 8
    }

    func numberOfComponentsInPickerView(pickerView: UIPickerView) -> Int {
        return 1
    }

    func pickerView(pickerView: UIPickerView, numberOfRowsInComponent compo
        return statusVenda.count
    }

    func pickerView(pickerView: UIPickerView, titleForRow row: Int, forComp
        return statusVenda[row]
    }

    func pickerView(pickerView: UIPickerView, didSelectRow row: Int, inComp
        statusSelected = statusVenda[row]
    }

    func loadActivityIndicator(){
        self.overlayView = UIView(frame: self.tableView.bounds)
        self.overlayView.backgroundColor = UIColor(red: 250, green: 250, bl
        self.activityIndicator = UIActivityIndicatorView(activityIndicatorS
        self.activityIndicator.alpha = 1.0;
```

```
349        self.activityIndicator.center = self.view.center;
350        self.activityIndicator.hidesWhenStopped = true;
351        self.overlayView.addSubview(activityIndicator)
352        self.tableView.addSubview(overlayView)
353        self.tableView.bringSubviewToFront(overlayView)
354        self.activityIndicator.startAnimating()
355    }
356
357 }
358
```

▶ VendaDeGaragem/Vendas.swift

▶ VendaDeGaragem/VendaTableViewCell.swift

▶ VendaDeGaragem/VendaPersistence.swift

▶ VendaDeGaragem/UserTableViewController.swift

▶ VendaDeGaragem/ShowSalesViewController.swift

▶ VendaDeGaragem/ParseConvenience.swift

▶ VendaDeGaragem/Extensions.swift

▶ VendaDeGaragem/DetalhVendaTableViewController.swift

▶ VendaDeGaragem/CoreDataStackManager.swift

▶ VendaDeGaragem/Constants.swift

▶ VendaDeGaragem/AppDelegate.swift

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