Explanation:

1. if you create xcode project, all files except for ViewController.swift are created automatically.

2. you just add viewcontroller.swift and connect it to storyboard.

3. ViewController.swift is the main file to process payment.

4. in AppDelegate.swift file, register scheme with following code:

BTAppSwitch.setReturnURLScheme("com.topstar.braintree.payment")

5. add scheme in info.plist file

<key>CFBundleURLTypes</key>

<array>

<dict>

<key>CFBundleTypeRole</key>

<string>Editor</string>

<key>CFBundleURLSchemes</key>

<array>

<string>com.topstar.braintree.payment</string>

</array>

</dict>

</array>

6. add Utils.swift file to process http request with alamofire, show toast, define base backend api urls, show loading indicator etc.

7. in ViewController.swift, I added comments.

- you need to call generate\_client\_token.php backend api first with Utils.sendRequest function. then it returns client token with JSON style.

- if it got client token successfully, create dropin dialog (with callback) and present it with following code,

let dropIn = BTDropInController(authorization: clientToken, request: request) // define drop in dialog

{ (controller, result, error) in

// get result from Braintree

if (error != nil) { // if it was failed

print(error) // print error

Utils.showToast(self.view, (error?.localizedDescription)!) // show toast error

} else if (result?.isCancelled == true) {

Utils.showToast(self.view, Utils.str\_cancel) // show toast if user cancels payment processing

} else if let result = result { // proceed payment

let nonce = result.paymentMethod?.nonce // catch nonce from result, nonce will be used to checkout in backend service - checkout.php

Utils.sendRequest("checkout.php", .post, ["paymentnonce":nonce!, "amount":200]) { (res, data) in

// call checkout.php with nonce, amount to proceed checkout

let result = data as? String ?? Utils.str\_err\_server // get result from checkout.php backend

Utils.showToast(self.view, result) // show result message as toast

}

}

controller.dismiss(animated: true, completion: nil) // dismiss dropin dialog

}

self.present(dropIn!, animated: true, completion: nil)

- if it got success, you will get nonce from result, you need to send nonce string to checkout.php and checkout.php backend service will handle real payment.

in a word, generate\_client\_token.php service gets token and verify if this Braintree request is correct or not. and Drop In dialog reserves the payment. and main real checkout is done in checkout.php, Here, nonce is the key for processing payment.

8. in backend api, 2 files (checkout.php , generate\_client\_token.php) are main files and lib directory is braintree PHP library from BT. you just copay and paste lib directory to your hosting.

if you have any questions, please feel free to contact me on freelancer.com.

Cheers.

Li Yun.