BodyBank Enterprise SDK Readme

Version

2018-11-27-2
SDK Version 0.0.24

Install

Use cocoapods.

```
pod 'BodyBankEnterprise'
```

When install, do

```
pod install
```

When update, do

```
pod update BodyBankEnterprise && pod install
```

Usage

Set up

Include the `bodybank-config.json` file into main bundle by dragging the file into project navigator on Xcode.
The file is provided after making a contract.

Mobile SDK

Token Provider

Instantiate the `DefaultTokenProvider` and set `restoreTokenBlock`.
This block is called whenever a token is nearly expired or expired.

```
let tokenProvider = DefaultTokenProvider()
tokenProvider.setRestoreTokenBlock(block: {[unowned self] callback in
    let token = BodyBankToken()
    //Refresh token and create a BodyBank token from jwt_token & identity_id
    //Then call a callback with (token, error)
    //For example, if you want to get a token using firebase function
    let functions = Functions.functions()
    functions.httpsCallable("getBodyBankJWTToken").call {(result, error) in
        if let error = error{
            print(error.localizedDescription)
            callback(nil, error)
        }else{
            var token = BodyBankToken()
            if let jwtToken = (result?.data as? Dictionary<String, Any>)?
["jwt_token"] as? String{
                token.jwtToken = jwtToken
            }
            if let identityId = (result?.data as? Dictionary<String, Any>)?
["identity_id"] as? String{
                token.identityId = identityId
            }
            callback(token, nil)
        }
    }
})
```

DirectTokenProvider for development use only

Instantiate the `DirectTokenProvider` which is a descendent of `DefaultTokenProvider`

```
    let tokenProvider = DirectTokenProvider(apiUrl: "https://api.<SHORT
IDENTIFIER>.enterprise.bodybank.com", apiKey: "API KEY")
    tokenProvider.tokenDuration =  86400
    tokenProvider.userId = "unique user id"
    try! BodyBankEnterprise.initialize(tokenProvider: tokenProvider)
```

This class calls direct http request to the api server to refresh the token.
Please be careful that this embeds API Key in the app is vulnerable to API Key leakage.
Please implment your own TokenProvider or restoreTokenBlock on DefaultTokenProvider

Everytime identityId changes, do

```
BodyBankEnterprise.clearCredentials()
```

SDK initialization

Initialize BodyBank in `AppDelegate.swift`

```
import BodyBankEnterprise

func application(_ application: UIApplication, didFinishLaunchingWithOptions
launchOptions: [UIApplicationLaunchOptionsKey: Any]?) -> Bool{
    let tokenProvider = DefaultTokenProvider()
    tokenProvider.setRestoreTokenBlock(block: {[unowned self] callback in
        let token = BodyBankToken()
        //Refresh token and specify jwt_token & identity_id
        callback(token, nil)
    })
    BodyBankEnterprise.initialize(tokenProvider: tokenProvider)
    return true
}
```

Modifying JWT Token after initialization

The active Default Token Provider can be fetched by

```
BodyBankEnterprise.defaultTokenProvider()
```

Please modify jwt using this reference.

Create New BodyBank Estimation Request

```
var params = EstimationParameter()
params.frontImage = Estimation.shared.frontImage
params.sideImage = Estimation.shared.sideImage
params.heightInCm = Estimation.shared.heightInCm
params.weightInKg = Estimation.shared.weight!
params.age = 30
params.gender = .male
BodyBankEnterprise.createEstimationRequest(estimationParameter: params,
callback: { (request, errors) in
    if error == nil{
        print(request?.id)
    }else{
        print(error)
    }
})
```

Get BodyBank Estimation Requests

```
// List estimation requests
BodyBankEnterprise.listEstimationRequests(limit: 20, nextToken: nil, callback:
{ (requests, nextToken, errors) in
    print(requests)
})

// Get estimation request and result detail
BodyBankEnterprise.getEstimationRequest(id: id, callback: { (request, errors)
in
    print(request)
})
```

Subscribe & Unsubscribe Changes

```
BodyBankEnterprise.subscribeUpdateOfEstimationRequests(callback: { (request,
errorss) in
    print(errors)
})


BodyBankEnterprise.unsubscribeEstimationRequests()
```

Get images

```
let url = request.frontImage?.downloadableURL
//Do anything with pre-signed downloadable URL
//It has expiration time.
```