iOS InApp purchase

Consumable

Non-Consumable

Subscription

Wait...
What's about retail apps

Program

1. Build it
2. Test it
3. Improve it

What's you'll need

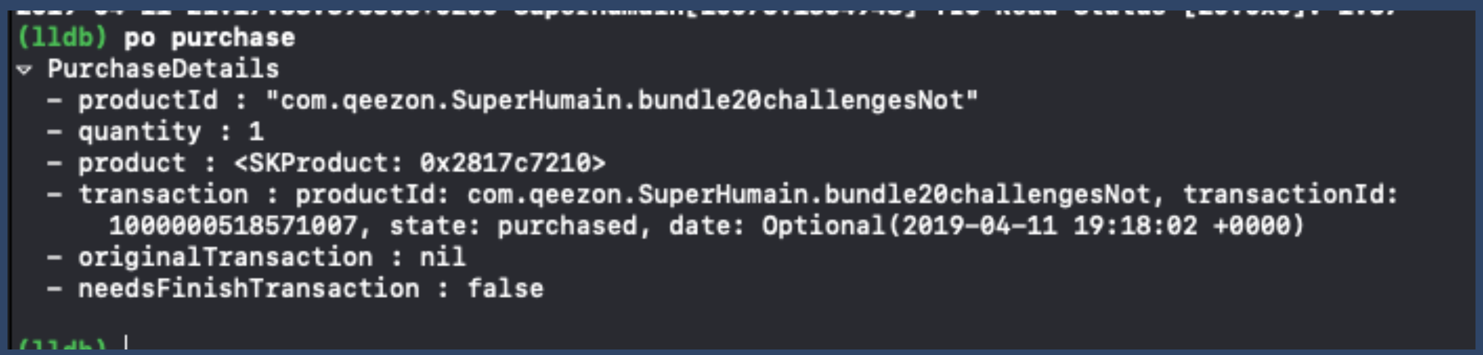
- Mac
- iDevice
- Valid Apple developper program subscription

GO

Open the xcode project and uncomment from MARK 1 to MARK 7

Why purchase completed

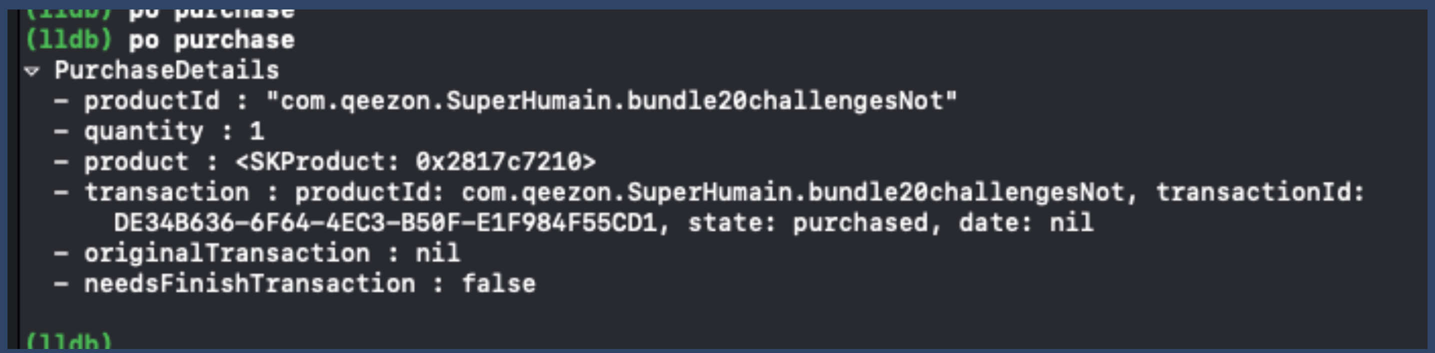
Real (Sandbox)



```
(lldb) po purchase
▿ PurchaseDetails
  - productId : "com.qeezon.SuperHumain.bundle20challengesNot"
  - quantity : 1
  - product : <SKProduct: 0x2817c7210>
  - transaction : productId: com.qeezon.SuperHumain.bundle20challengesNot, transactionId:
    1000000518571007, state: purchased, date: Optional(2019-04-11 19:18:02 +0000)
  - originalTransaction : nil
  - needsFinishTransaction : false

(lldb)
```

Fake (LocalAppStore)



```
(lldb) po purchase
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▿ PurchaseDetails
  - productId : "com.qeezon.SuperHumain.bundle20challengesNot"
  - quantity : 1
  - product : <SKProduct: 0x2817c7210>
  - transaction : productId: com.qeezon.SuperHumain.bundle20challengesNot, transactionId:
    DE34B636-6F64-4EC3-B50F-E1F984F55CD1, state: purchased, date: nil
  - originalTransaction : nil
  - needsFinishTransaction : false

(lldb)
```

How to prevent fake purchase

Receipt verification

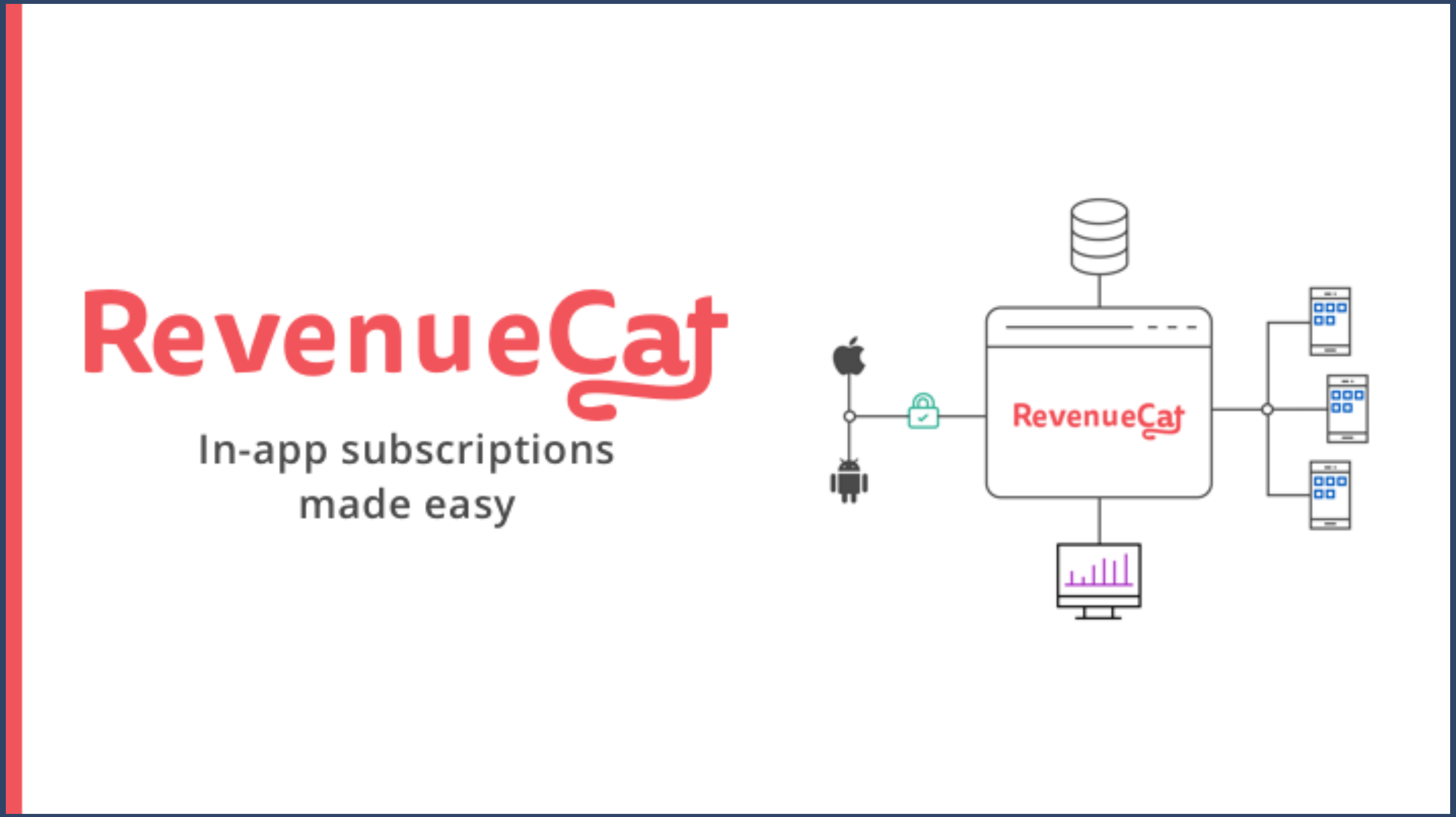
1. On device verification

```swift
let appleValidator = AppleReceiptValidator(service: .production, sharedSecret: "your-shared-secret")
SwiftyStoreKit.verifyReceipt(using: appleValidator, forceRefresh: false) { result in
    switch result {
    case .success(let receipt):
        print("Verify receipt success: \(receipt)")
    case .error(let error):
        print("Verify receipt failed: \(error)")
    }
}
```

Only use if you don't sync the app with API

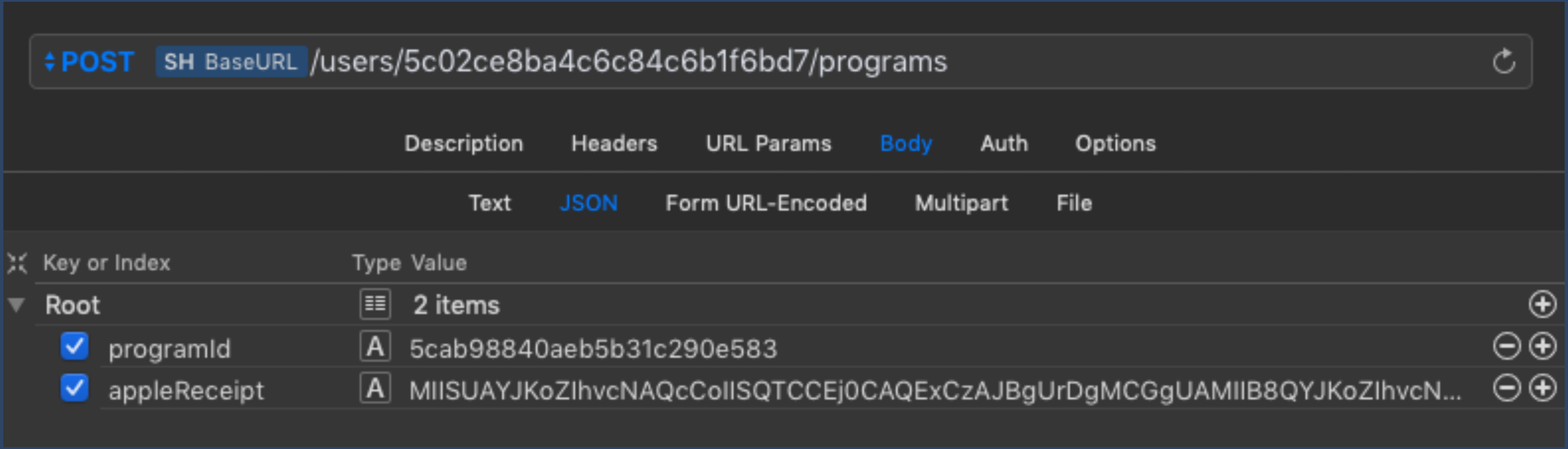
2. Online

- Revenuecat (Free Up to $10k)



3. Yourself

- Node: in-app-purchase module



POST SH BaseURL /users/5c02ce8ba4c6c84c6b1f6bd7/programs

Key or Index	Type	Value
Root	≣	2 items
☑ programId	A	5cab98840aeb5b31c290e583
☑ appleReceipt	A	MIISUAYJKoZIhvcNAQcCoIISQTCCEj0CAQExCzAJBgUrDgMCGgUAMIIB8QYJKoZIhvcN...

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3. Yourself

- Node: in-app-purchase module

```
const iap = require('in-app-purchase');

exports.validateiOS = async (receipt) => {
  iap.config({ applePassword: process.env.APPLE_RECEIPT_PASSWORD });
  try {
    await iap.setup();
    const response = await iap.validate(receipt);
    if (iap.isValidated(response)) {
      return response.receipt.in_app.map(purchase => purchase.product_id);
    }
    return [];
  } catch (error) {
    return [];
  }
};
```

What's next to do

- Restore purchase
- Purchase from the app store
- Protect purchase restore with user identifier

Be rich

Questions?

Source + Slide