


POC of Currency List Fragment

Background:  test.pdf

1. Create a CurrencyListFragment that can be reused for different purposes, such as displaying Crypto Currency and Fiat Currency.
2. Additionally, create a DemoActivity to showcase the functionality of the CurrencyListFragment.

Designed according to requirement documents

Prerequisites:

NodeJs: >= 18.0.0

javac: 17.0.1

pod: 1.16.2

Gradle: 8.12

Repo: Github

Tech Stack :

UI: React Native  0.78.2

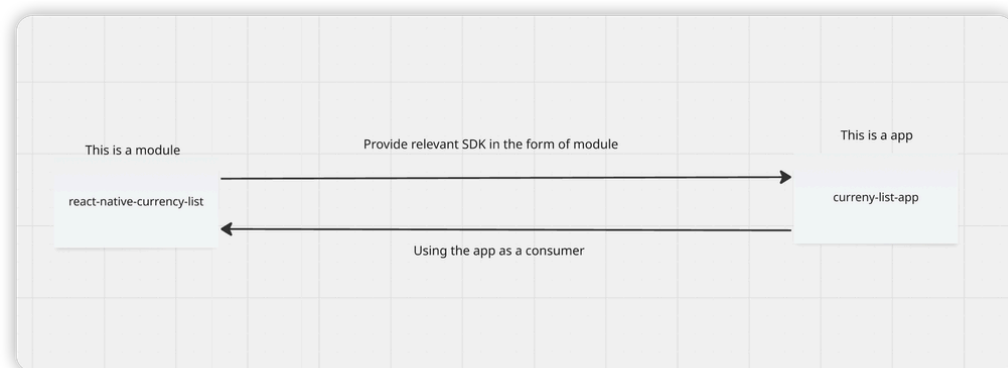
Unit Testing: Jest

Desgin:

According to the core requirements, we should consider the scalability and maintainability of the software

We will have a CurrencyListFragment module as a producer, and then we will have an app as a consumer that can provide it to different apps for use.

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Module : react-native-currency-list

As react-native-currency-list sdk only provides a list of related searches without providing data.

We will use the react-native-builder-bob library to export the relevant commonjs

We will use: "react-native-builder-bob": "0.18.2",

```
1 "react-native-builder-bob": {
2   "source": "src",
3   "output": "lib",
4   "targets": [
5     "commonjs",
```

```
6      "module",
7      [
8        "typescript",
9        {
10         "project": "tsconfig.build.json"
11        }
12      ]
13    ]
14  }
```

App: currency-list-app

1. Import the SDK we are going to use react-native-currency-list
2. Providing data from Currency List A - Crypto and Currency List B - Fiat
3. Developing different functions for 5 related buttons

Test : Unit Testing: Jest

We will use Jest to test the components and the five buttons of key functions.

CI/CD :

We will use git actions to do CI/CD implementation includes Test and Build