

1.QTHomeController

App home, contains the entry of “scan” and “generate” features

2.QTScanViewController, QTScanResultViewController

Scan to capture the qr code, then push the result page to show what the qr code tell us, you can long press the result to copy it

3.QTGenerateViewController

Generate a qr code image with a random seed, the bottom label of qr code image shows the remain seconds before the next auto-refresh, tap the image to copy the code

4.QTNetworkClient, QTNetworkApi, QTNetworkApiResult, QTNetworkError

Send requests and fetch data from backend.

QTNetworkClient do the base request, and initialize common configuration, like baseUrl

QTNetworkApi, use QTNetworkClient to send a exact request, and callback a QTNetworkApiResult for success or a QTNetworkError for failure

QTNetworkApiResult, the successful result for a exact request, it parse api response to models

QTNetworkError, error from the backend or the server, if the code of response is not 200 or the dataTask callback an error, QTNetworkError will be generated with a code and message

4.task.js

A simple node.js API with a Cloud server, I am sorry that I am still learning node.js, a good friend helped me a lot

example for response:

```
{"code":200,"expires_at":1553096435287,"seed":"yjrd5k11z"}
```

5. QTSeed

A model with two properties, seed, expiresAt