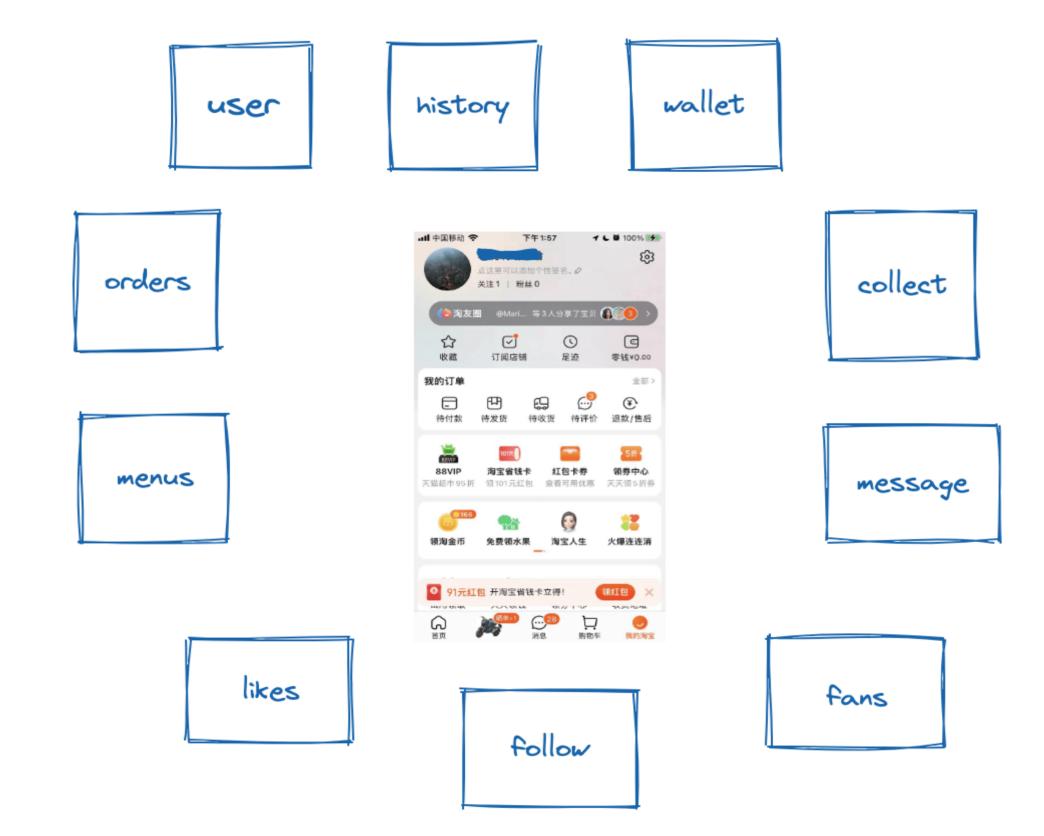- RestApi GraphQL

- GraphQL

- Hasura

- WebApi Midway/TSRPC

- CQRS

- Vue3 TSRPC,Hasura

- :

-

Restful API

API   DNA

```
// 
GET http://www.store.com/products
```

```
//      id：12345
GET http://www.store.com/products/12345
```

```
// 
POST http://www.store.com/orders
```

```
//      id：12345
DELETE http://www.store.com/products/12345
```

Restful

restful

user

history

wallet

orders

collect

menus

message

likes

follow

fans

Restful

```
GET http://www.store.com/user/1
```

user   "   "

```
{
  "nickname": "      ",
  "age": 88,
  "avatar": "    .png",
  "dream": "   ... ",
  "sign": "        ",
  "phone": "     ",
  "homepage": "www.yinzhuoei.com"
}
```

> nickname age avatar

“   API”

, Restful API   2   :

1.

2.   N+1   API   API

😄

ui ⟶ front end ⟶ back end

Before

ui ⟶ front end

After

Graphql   API   ...

```graphql
query {
    User(){
        nickname
        age
        avatar,
        orders{
            title,
            time
        }
    }
}
```

```json
{
  "nickname": "    ",
  "age": 88,
  "avatar": "   .png",
  "order": [
    {
      "title": "     ",
      "time": "2021-1-1"
    }

  ]
}
```

Graphql

restapi

graphql   restapi

gql

```
GET http://www.store.com/products
```

vs

```
query {
    Product(){
        title,
        time
    }
}
```

gql   gql

gql

```gql
query {
    user(id: 10086){
        nickname,
        history{
            title
        }
        wallt{
            amount
        }
        collect{
            title
        }
        message{
            user_id
        }
        follow{
            user_id
        }
        likes{
            user_id
        }

    }
```

Graphql