[WS][FE][TD] Transfer From Contact List Page

1. Background

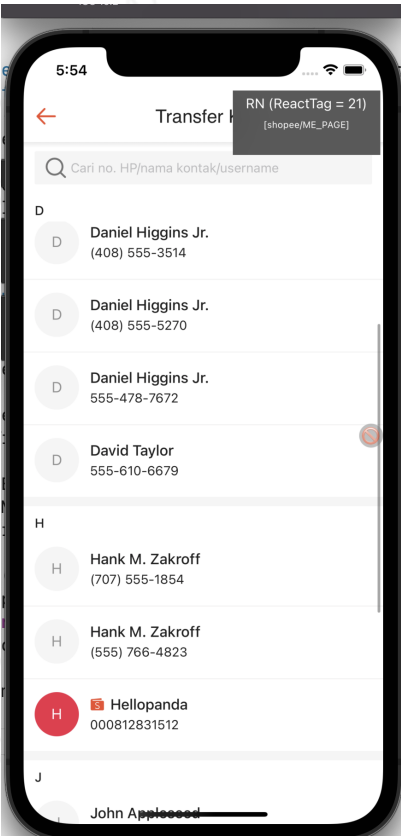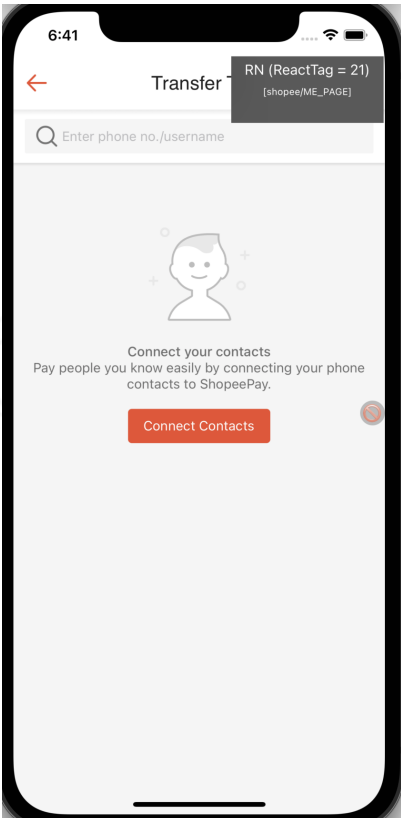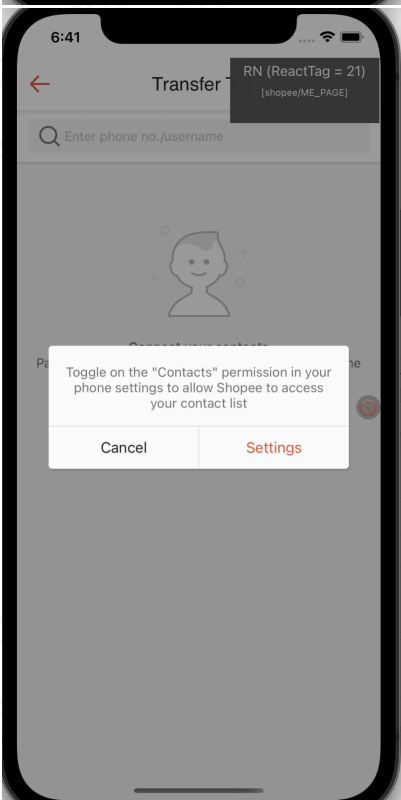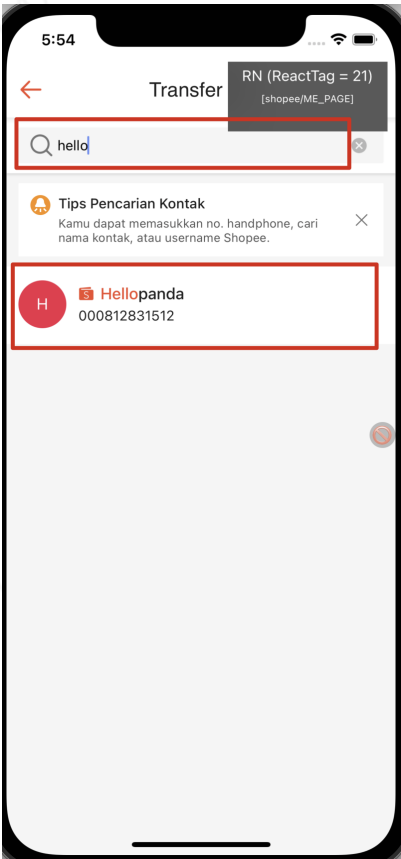## 2. Objective

3. Project Manager

Item	Description
PRD	-
Epic	-
Relateds	[iOS] Get contact From Address Book API https://developer.apple.com/documentation/contacts/cncontact?language=objc
FE Dev(RN)	guankun.chen@seamoney.com qinqin.he@seamoney.com
Native Dev	shaolie.lin@seamoney.com
US BE Dev	zhe.sun@seamoney.com

4. Teams

Team	Responsibility
Wallet FE	Render The contact list page and handler transfer logic
Wallet Server	search user from system and verify users is shopee&shopeepay user or not.
US BE	batch query the users(from address book's phone) by phones from shopeepay user system
Native app	provider the RN bridge to FE to get contact list datas.
Shopee Account Shared Service	query shopee user info by username or phonenunber

5. Requirement Summary

	Render Contact List from Address Book	No Permission To Access Address Book	【Search UserName】 Search ShopeePay UserName & On Contact
UI		 	
Remark			

6. Design details

6.1. Render Contact List Overall Flow（Without Search）
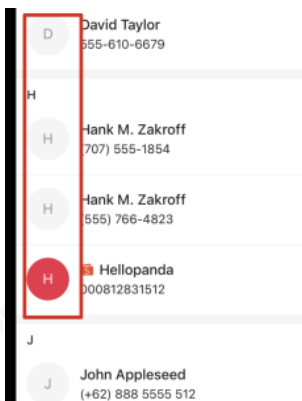
Normal UI	No Permission UI
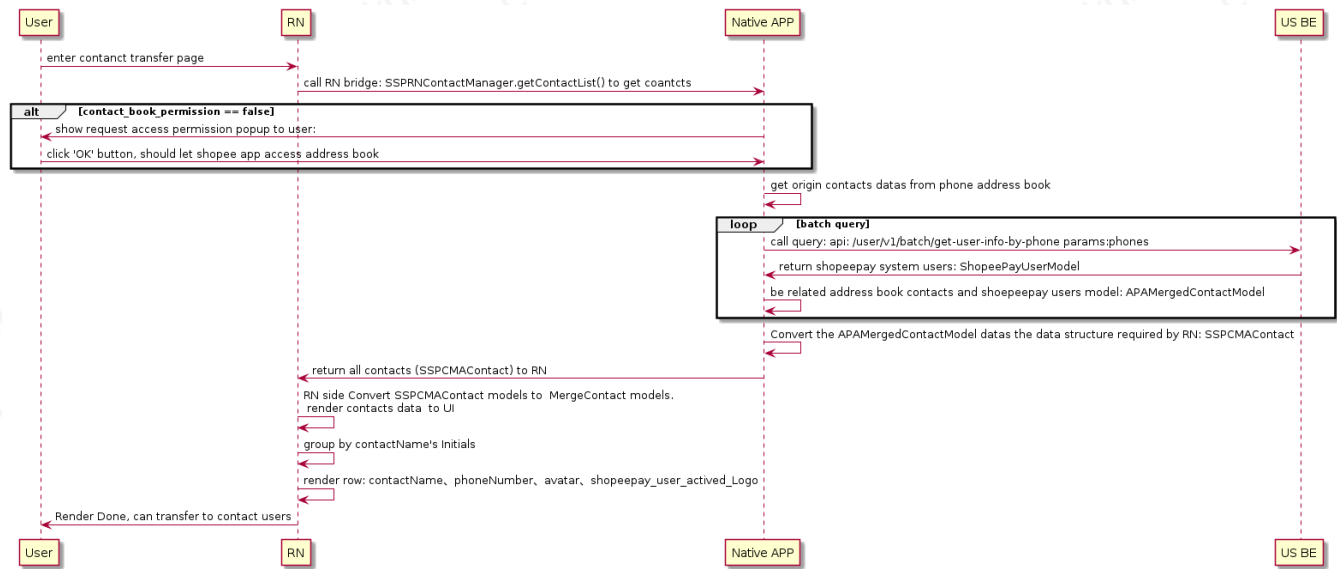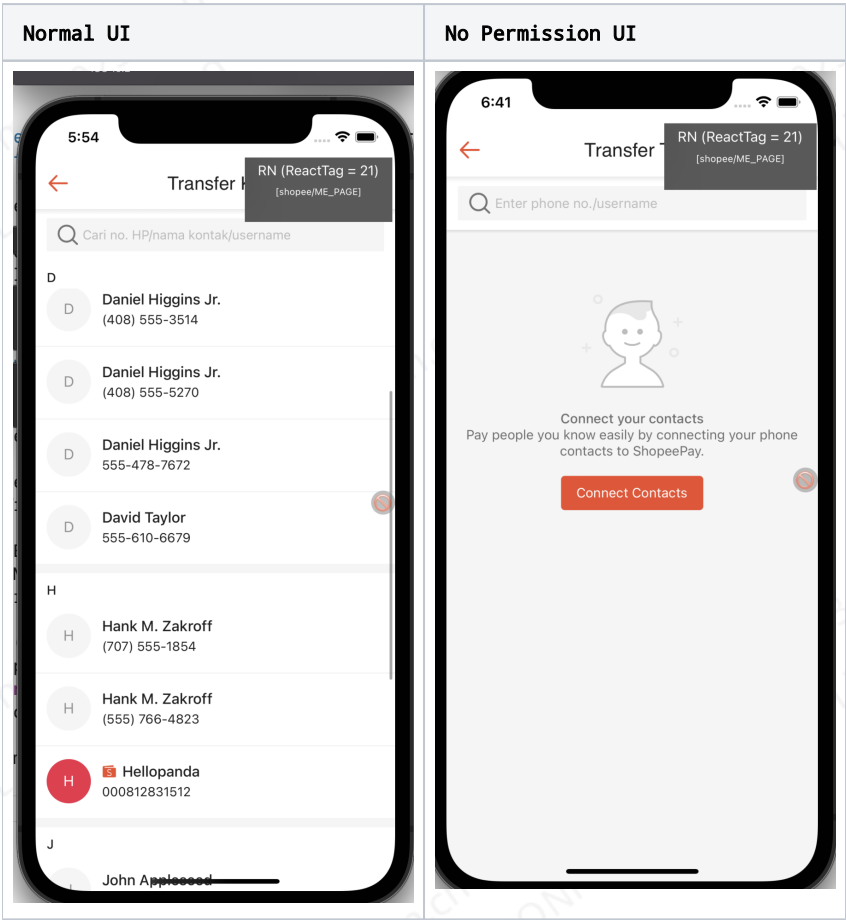
6.1.1. Render Avatar

Dependent Parameter

Field	From	Root From	
userId	MergeContact	US API: /user/v1/batch/get-user-info-by-phone	be used on save the avatar background color on cache. `SAVED_RECIPIENT_AVATAR_COLOR_KEY_${userId}`;
profilePicture	MergeContact	US API: /user/v1/batch/get-user-info-by-phone avatar_url search flow: /wallet/v1/transfer/search_user portrait field	shopeepay user system's profile url. if have.
userName	MergeContact	US API: /user/v1/batch/get-user-info-by-phone	shopeepay user system's username. if have.

1. if RN's MergeContact data model profilePicture field exists. will render the avatar by profilePicture url (this value from US BE's /user/v1/batch/get-user-info-by-phone)
2. if #1 invalid, will render the avatar by Color and userName:
    a. the background color logic:
        i. Query whether the local storage exists by key： `SAVED_RECIPIENT_AVATAR_COLOR_KEY_${userId}`;
        ii. if exsit, will return the avatar background color to render.
        iii. if no exsit. will be randomly obtained from 6 color values. '#EE2C4A', '#F69113', '#30B566', '#EE4D2D', '#D0011B', '#113366',
        iv. save the color value on local storge. 【For the next use, to ensure that the avatar of the same contact user is consistent every time they enter the page】
    b. letter in avatar will be get First Char by username. If the first letter is not in 'QWERTYUIOPASDFGHJKLZXCVBNM', , it will be replaced by #.

Avatar Color Code:

```
const AVATAR_COLORS = [
  '#EE2C4A',
  '#F69113',
  '#30B566',
  '#EE4D2D',
  '#D0011B',
  '#113366',
];


export const getAvatarColor = async (key: string) => {
# if the color been find on cache, will be dirctly return the color from cache
  let color = await getSavedRecipientAvatarColor(key);
  if (!color) {
    color = AVATAR_COLORS[Math.floor(Math.random() * 5)];
    setSavedRecipientAvatarColor(key, color);
  }
  return color;
};
```

letter in avatar will be get First Char by username Code.

```
const alphabet = new Set('QWERTYUIOPASDFGHJKLZXCVBNM');

export function getFirstChar(name: string) {
  if (!name) {
    return '#';
  }
  const char = name.trim()[0];

  if (!char) {
    return '#';
  }
  if (!alphabet.has(char.toUpperCase())) {
    return '#';
  }

  return char.toUpperCase();
}
```

6.1.2. Render UserName

- show user's full name from address book

6.1.3. Render PhoneNumber

- show formattedPhoneNumber from MergeContact (address book's origin phone number be formatted by RN side)

```
const formattedPhoneNumber = formatPhoneNumberUtil.format(
    contact.phoneNumber
  );
```

6.1.4. Render ShopeePay Logo

> ✓
> - if user is from ShopeePay User server. will display the shopeepay logo.
> - if user is Shopee user but not ShopeePay User (or User status is not actived. will hide the logo)
> - for activated field logic:
>   - on contact list datas: been set by FE side: activated: contact.accountStatus === AccountStatus.ACTIVE,
>   - on search user scenes: been set by BE side

🛒 Hellopanda
000812831512

Dependent Parameter

field	scenes	Root From

accountStatus	contact list page	US API: /user/v1/batch/get-user-info-by-phone

		export enum AccountStatus {
		NOT_EXIST = 0,
		ACTIVE = 1,
		LOCKED = 2,
		BANNED = 3,
		DELETED = 4,
		}
		
		On Contact List Datas: been set by FE side: activated: contact.accountStatus === AccountStatus.ACTIVE,

activated	search user	<pre>{
		    "activated" : true,
		    "request_id" : "",
		    "phone" : "000********970",
		    "share_link" : "",
		    "errcode" : 0,
		    "shopee_user_id" : "100068777",
		    "user_id" : "100068777",
		    "profile_picture" : "",
		    "display_name" : "",
		    "username" : "kopinikmat00",
		    "nickname" : "",
		    "debug_msg" : "Success"
		},</pre>

FE handle Contact List Current Logic:

```
## packages/root/merged/pages/Wallet/Transfer/ContactList/Components/ContactItemComponent/index.tsx

<InfoRow
      avatarKey={avatarKey}
      avatarColorKey={'userId' in item && item.userId ? `${item.userId}` : ''}
      style={[
        index !== 0 ? style.topBorder : null,
        'avoidHighlight' in item ? style.transferToNumberContainer : null,
      ]}
      name={'displayName' in item ? item.displayName : ''}
      highlightTitleRule={highlightTitleRule}
      logos={'activated' in item && item.activated ? [icShopeeLogo] : []}

...


## packages/root/merged/pages/Wallet/Transfer/ContactList/slice.ts

fetchNativeContactListSuccess: (state, action) => {
      const newState = state;
      newState.contactList.contacts = action.payload.contacts;
      newState.contactList.userData = {
        ...state.contactList.userData,
        ...action.payload.contacts.reduce(
          (
            acc: { [key: number]: UserActivationStatus },
            contact: MergeContact
          ) => {
            if (contact.userId) {
              acc[contact.userId as any] = {
                username: contact.shopName || contact.contactName,
                userId: contact.userId,
                activated: contact.accountStatus === AccountStatus.ACTIVE,
              };
            }
            return acc;
          },
          {}
        ),
      };
      return newState;
    },
```

BE Logic On Search User Flow

/wallet/v1/transfer/search_user

```
shopeepayUserID, err = p.UserDAO.GetUidByUsername(ctx, username)
        if err == nil && shopeepayUserID != 0 {
                // Call user service to get shopeepay user info and double check if user is activated or not
                user, err := p.UserDAO.GetUserByUid(ctx, shopeepayUserID)
                if err == nil && user != nil {
                        resp.Activated = user.UserActivationStatus.GetIsActivated()
                        resp.Username = user.Username
                        resp.Name = user.Nickname
                        resp.Portrait = user.AvatarURL
                        resp.ShopeeUserId = uint64(shopeepayUserID)

                        var phone string
                        phone, err = common.MaskPhone(ctx, user.Phone)
                        if err != nil {
                                return nil, err
                        }
                        resp.Phone = phone

                        // Only return user id if user is confirmed to be shopeepay user + shopeepay wallet
activated
                        if resp.Activated {
                                resp.UserId = uint64(user.Uid)
                        }

                        return resp, nil
                }
```
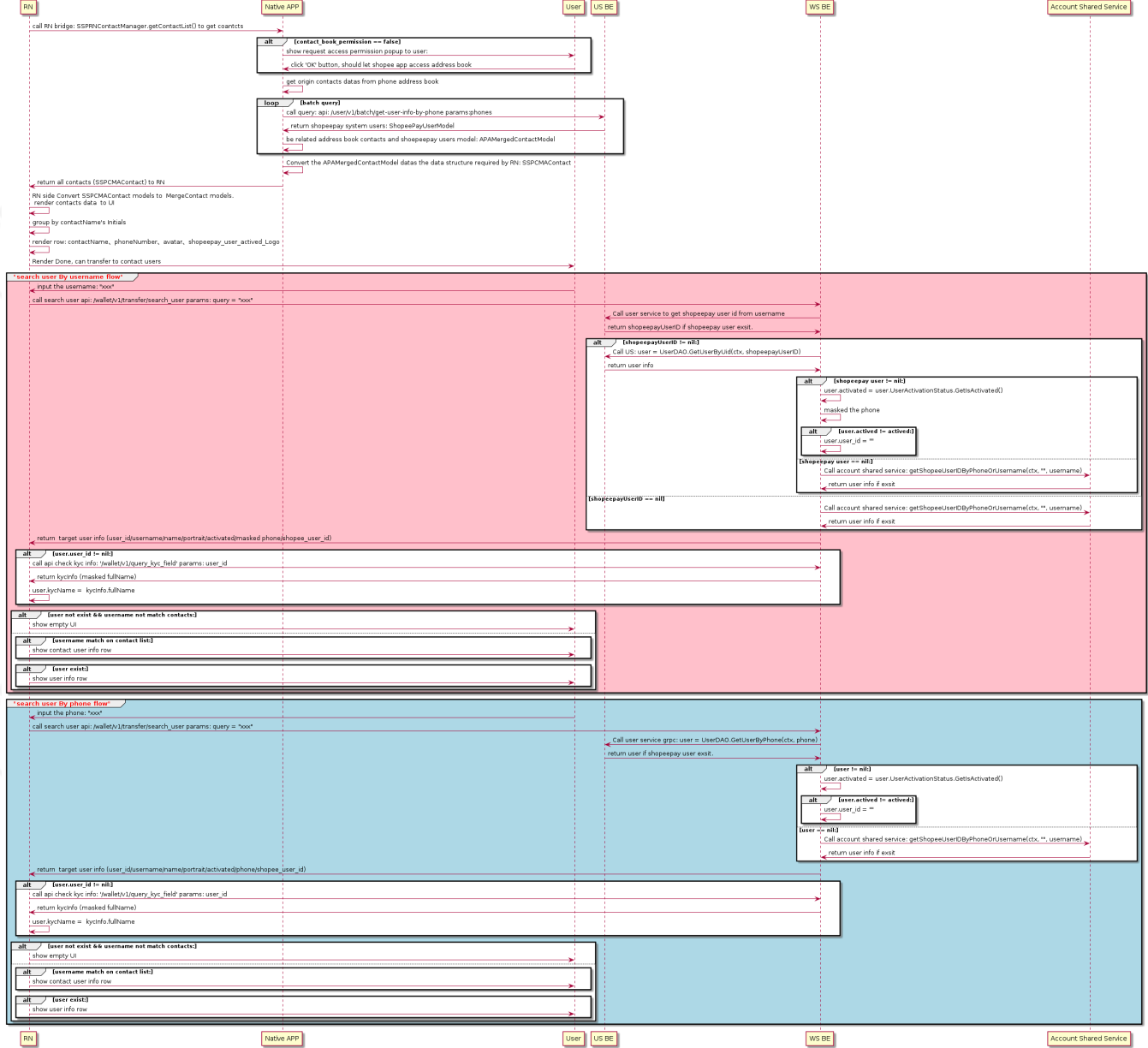
6.2. Search User By UserName Or PhoneNumber To Transfer

1. support search user by username or phonenumber
2. search user maybe form shopeepay user service or shopee account shared service.
3. search user query priority:

   a. shopeepay user service P0
   b. shopee accounts shared service P1
4. 【api不支持模糊匹配】/wallet/v1/transfer/search_user api does not support fuzzy matching.
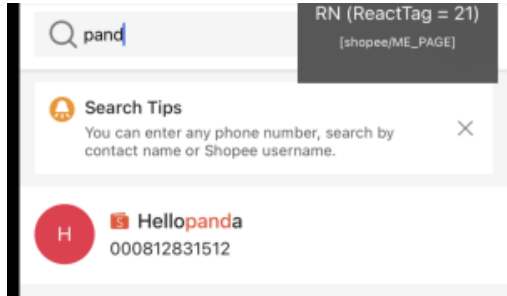5. use userid(shopeepay uid) to match whether the user is in the address book list.
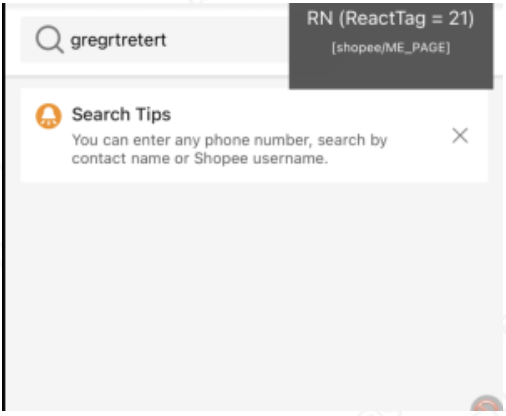
6.2.1. Diagrams

6.2.2. Search UserName

Case 1	Case 2	Case 3	Case 4
☑ Shopeepay user ☑ Shopee user ☑ Contacts User	☑ Shopeepay user ☑ Shopee user ☐ Contacts User	☑ Shopeepay user ☐ Shopee user ☐ Contacts User	☑ Shopeepay user ☐ Shopee user ☑ Contacts User

Case 5	Case 6	Case 7	Case 8
☐ Shopeepay user ☑ Shopee user ☐ Contacts User	☐ Shopeepay user ☑ Shopee user ☑ Contacts User	☐ Shopeepay user ☐ Shopee user ☑ Contacts User	☐ Shopeepay user ☐ Shopee user ☐ Contacts User

6.3. Verify And Transfer Money To User Flow

正在写。。。
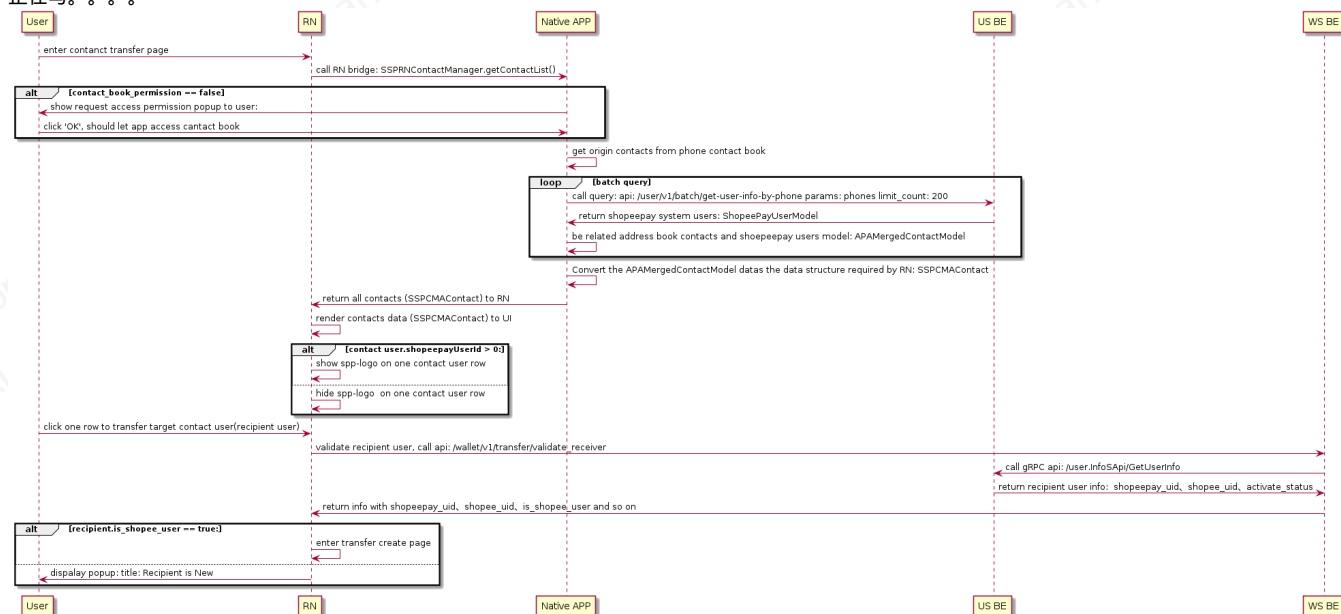
7. Associated APIs

API	By Team	Caller	description
/user/v1/batch/get-user-info-by-phone	US	Native APP	query whether all contacts in the user's address book are shopeepay users, and return the corresponding result
/wallet/v1/transfer/validate_receiver	WS	RN(FE)	Verify whether the transfer receiver is a shopeepay user
/wallet/v1/transfer/search_user	WS	RN(FE)	search shopeepay user or shopee user by username or phone
/wallet/v1/query_kyc_field	WS	RN(FE)	check user kyc info by user_id

7.1. /user/v1/batch/get-user-info-by-phone

This interface is provided by the US team, and is used to query the information of shopeepay user systems in batches through the mobile phone numbers in the address book。

> ⊗ Currently, it will only be queried from the shopeepay user system, and will not be queried whether the mobile phone number is a shopee user

7.1.1. Request Parameters

field	type	required	description
phones	string	NO	true

7.1.2. Response Body

field		type	description
users【List】	uid	string	if exsit user on shopeepay accounts system, will pass shopeepay user id.

username	string	if exsit user on shopeepay accounts system, will pass shopeepay user name.
phone	string	formatted phone number phone:\"6583983304\" ori_phone:\"+65 8398 3304\"
ori_phone	string	orgin phone nunber from address book. such as: +65 8398 3304
nick_name	string	
avatar_url	string	if target user have, will pass. avatar_url:\"https://cf.shopee.sg/file/29351f8fcae1d751295608d4258ed2fe\\"

status	number enum	user account Status on shopeepay accounts system.
		
		typedef NS_ENUM(NSInteger, APAAccountStatus)
		
		{
		
		  APAAccountStatusNoExist = 0,
		
		  APAAccountStatusActivePass = 1,
		
		  APAAccountStatusLocked = 2,
		
		  APAAccountStatusBanned = 3,
		
		  APAAccountStatusDeleted = 4,
		
		};

next_request_max_length			Pagination limit. The maximum number of phons per query.

7.1.3. Mock Data

Request Body	Response Body

{
 	
"meta": {
 	
"language" : "en",
 	
"app_version" : "29400",
 	
"sdk_version" : "20005",
 	
"rn_version" : "5063000",
 	
"latitude" : "0.000000",
 	
"longitude" : "0.0000	

{

"meta": {

"language" : "en",

"app_version" : "29400",

"sdk_version" : "20005",

"rn_version" : "5063000",

"latitude" : "0.000000",

"longitude" : "0.0000

00",

"source" : "shopee",

"os" : 1,

"device_brand" : "apple",

"network_type" : 1,

"device_name" : "iPhone 12",

"app_package_name" : "com.beeasy.shopee.id.enterprise",

"arch" : "native",

"device_id" : "48B86FCD849040189393284797B63A26",

"os_version" : "iPhone iOS15.2",

"device_fingerprint" : "48B86FCD849040189393284797B63A26",

"device_model" : "iPhone",

users:<phone:\\\"6591848926\\\" ori_phone:\\\"9184 8926\\\" > users:<phone:\\\"6591848926\\\" ori_phone:\\\"91848926\\\" > users:<uid:310269763 username:\\\"jackooi123\\\" status:STATUS_ACTIVE phone:\\\"6587268862\\\" ori_phone:\\\"8726 8862\\\" avatar_url:\\\"https://cf.shopee.sg/file/f0083a992d390d2f087a66a237f32dfd\\\" > users:<uid:306289234 username:\\\"lwk905\\\" status:STATUS_ACTIVE phone:\\\"6587560178\\\" ori_phone:\\\"87560178\\\" avatar_url:\\\"https://cf.shopee.sg/file/87725051438a3e9c04e333a682486183\\\" > users:<uid:306289234 username:\\\"lwk905\\\" status:STATUS_ACTIVE phone:\\\"6587560178\\\" ori_phone:\\\"8756 0178\\\" avatar_url:\\\"https://cf.shopee.sg/file/87725051438a3e9c04e333a682486183\\\" > users:<uid:310269763 username:\\\"jackooi123\\\" status:STATUS_ACTIVE phone:\\\"6587268862\\\" ori_phone:\\\"87268862\\\" avatar_url:\\\"https://cf.shopee.sg/file/f0083a992d390d2f087a66a237f32dfd\\\" > users:<uid:163918560 username:\\\"mipperry\\\" status:STATUS_ACTIVE phone:\\\"6598203466\\\" ori_phone:\\\"9820 3466\\\" avatar_url:\\\"https://cf.shopee.sg/file/77976d12f8379d7b6c7bf8e3e167f222\\\" > users:<phone:\\\"6591038692\\\" ori_phone:\\\"9103 8692\\\" > users:<phone:\\\"6591038692\\\" ori_phone:\\\"91038692\\\" > users:<uid:163918560 username:\\\"mipperry\\\" status:STATUS_ACTIVE phone:\\\"6598203466\\\" ori_phone:\\\"98203466\\\" avatar_url:\\\"https://cf.shopee.sg/file/77976d12f8379d7b6c7bf8e3e167f222\\\" > users:<uid:33322384 username:\\\"lshiyu\\\" status:STATUS_ACTIVE phone:\\\"6596274916\\\" ori_phone:\\\"96274916\\\" > users:<uid:33322384 username:\\\"lshiyu\\\" status:STATUS_ACTIVE phone:\\\"6596274916\\\" ori_phone:\\\"9627 4916\\\" > users:<uid:101547336 username:\\\"nessaloke\\\" status:STATUS_ACTIVE phone:\\\"6581021775\\\" ori_phone:\\\"8102 1775\\\" > users:<uid:76134342 username:\\\"bashingking\\\" status:STATUS_ACTIVE phone:\\\"6597371530\\\" ori_phone:\\\"+6597371530\\\" > users:<uid:263286502 username:\\\"l8vga3p8k4\\\" status:STATUS_ACTIVE phone:\\\"6590678692\\\" ori_phone:\\\"9067 8692\\\" > users:<uid:76134342 username:\\\"bashingking\\\" status:STATUS_ACTIVE phone:\\\"6597371530\\\" ori_phone:\\\"+65 9737 1530\\\" > users:<uid:101547336 username:\\\"nessaloke\\\" status:STATUS_ACTIVE phone:\\\"6581021775\\\" ori_phone:\\\"81021775\\\" > users:<uid:263286502 username:\\\"l8vga3p8k4\\\" status:STATUS_ACTIVE phone:\\\"6590678692\\\" ori_phone:\\\"90678692\\\" > users:<phone:\\\"6596236232\\\" ori_phone:\\\"9623 6232\\\" > users:<phone:\\\"6596236232\\\" ori_phone:\\\"96236232\\\" > users:<phone:\\\"6596956455\\\" ori_phone:\\\"9695 6455\\\" > users:<phone:\\\"6596956455\\\" ori_phone:\\\"96956455\\\" > users:<uid:52255554 username:\\\"chanlijoo\\\" status:STATUS_ACTIVE phone:\\\"6591347821\\\" ori_phone:\\\"9134 7821\\\" > users:<phone:\\\"6581267883\\\" ori_phone:\\\"8126 7883\\\" > users:<phone:\\\"6581267883\\\" ori_phone:\\\"81267883\\\" > users:<uid:52255554 username:\\\"chanlijoo\\\" status:STATUS_ACTIVE phone:\\\"6591347821\\\" ori_phone:\\\"91347821\\\" > users:<phone:\\\"6597901744\\\" ori_phone:\\\"+6597901744\\\" > users:<ori_phone:\\\"0817-800-554\\\" > users:<phone:\\\"6592297127\\\" ori_phone:\\\"+65 9229 7127\\\" > users:<phone:\\\"6592297127\\\" ori_phone:\\\"+6592297127\\\" > users:<uid:108331 username:\\\"ykshop\\\" status:STATUS_ACTIVE phone:\\\"6591282902\\\" ori_phone:\\\"91282902\\\" avatar_url:\\\"https://cf.shopee.sg/file/f158da7cfa162847ecbb90a15d628d63\\\" > users:<phone:\\\"6597901744\\\" ori_phone:\\\"+65 9790 1744\\\" > users:<uid:77116744 username:\\\"ehuynh\\\" status:STATUS_ACTIVE phone:\\\"6596153331\\\" ori_phone:\\\"9615 3331\\\" avatar_url:\\\"https://cf.shopee.sg/file/7fbf39a85653f1f6dbceade2cf7f3c88\\\" > users:<uid:166215817 username:\\\"ryanadriantotjong\\\" status:STATUS_ACTIVE phone:\\\"6591735214\\\" ori_phone:\\\"9173 5214\\\" avatar_url:\\\"https://cf.shopee.sg/file/462f53b8fa33d56a84ab315fdd65a92b\\\" >

```
        },
    "data"
: {
    "retryT
imes"
: 0,
    "phones
" : [
    "(415)
555-
3695",
    "555-
522-
8243",
    "(408)
555-
3514",
    "888-
555-
5512",
    "(408)
555-
5270",
    "(707)
555-
1854",
    "000812
831512"
,
    "000857
4581897
0",
    "555-
478-
7672",
    "(555)
564-
8583",
    "888-
555-
1212",
    "555-
610-
6679",
    "(555)
766-
4823"
        ]
    }
}
```

7.2. /wallet/v1/transfer/validate_receiver

7.2.1. Request Parameters

field	type	required	description
receiver_user_id	string	NO	shopeepay user id, if have. if haven't , can skip
receiver_shopee_user_id	string	NO	shopee user id, if have. if haven't , can skip
receiver_phone	string	NO	transfer reciver phone. if don't have user id. can use phone to validate
receiver_username	string	NO	transfer reciver username. if don't have user id. can use username to validate
skipKycInfo	string	NO	true

7.2.2. Response Body

field	type	description
user_id	string	shopepay user id. from shopeepay system
shopee_user_id	string	shopee account system's uid. if user is shopee user but not shopeepay user. the shopee_user_id exsit. but user_id be null.
phone	string	
profile_picture	string	
username	string	
shop_name	string	
nickname	string	
is_seller	boolean	
activated	boolean	

7.2.3. Mock Data

Request Body	Response Body

```
{
  "meta" : {
    "app_version" : "29400",
    "rn_version" : "5063000",
    "device_fingerprint" : "48B86FCD849040189393284797B63A26",
    "device_brand" : "Apple",
    "source" : "shopee",
    "os" : 1,
    "latitude" : "",
    "longitude" : "",
    "network_type" : 1,
    "language" : "en",
    "arch" : "rn",
    "app_package_name" : "com.shopee.id",
    "device_id" : "48B86FCD849040189393284797B63A26",
    "os_version" : "15.2",
    "device_model" : "x86_64",
    "device_ip" : ""
  },
  "data" : {
    "skipKycInfo" : true,
    "receiver_user_id" : "100068777",
    "receiver_phone" : ""
  }
}
```

```
{
  "msg" : "",
  "data" : {
    "activated" : true,
    "request_id" : "",
    "phone" : "000********970",
    "share_link" : "",
    "errcode" : 0,
    "shopee_user_id" : "100068777",
    "user_id" : "100068777",
    "profile_picture" : "",
    "display_name" : "",
    "username" : "kopinikmat00",
    "nickname" : "",
    "debug_msg" : "Success"
  },
  "code" : 0
}
```

7.3. /wallet/v1/transfer/search_user

7.3.1. Request Parameters

field	type	description
query	string	search contant, include username or phone number

7.3.2. Response Body

field	type	description
user_id	string	shopepay user id. from shopeepay system
shopee_user_id	string	shopee account system's uid. if user is shopee user but not shopeepay user. the shopee_user_id exsit. but user_id be null.
username	string	
name	string	
is_seller	boolean	
portrait	string	
activated	boolean	
phone	string	
searched_by	string	

7.3.3. Mock Data

Request Body	Response Body

```
{
  "meta" : {
    "app_version" : "29400",
    "rn_version" : "5063000",
    "device_fingerprint" :
"48B86FCD849040189393284797B63A26",
    "device_brand" : "Apple",
    "source" : "shopee",
    "os" : 1,
    "latitude" : "",
    "longitude" : "",
    "network_type" : 1,
    "language" : "en",
    "arch" : "rn",
    "app_package_name" : "com.shopee.id",
    "device_id" : "48B86FCD849040189393284797B63A26",
    "os_version" : "15.2",
    "device_model" : "x86_64",
    "device_ip" : ""
  },
  "data" : {
    "query" : "hellopanda"
  }
}
```

```
{
  "msg" : "",
  "data" : {
    "phone" : "000******511",
    "portrait" : "",
    "activated" : true,
    "shopee_user_id" : "102080486",
    "request_id" : "",
    "debug_msg" : "Success",
    "username" : "hellopanda",
    "user_id" : "102080486",
    "errcode" : 0,
    "searched_by" : 1,
    "name" : ""
  },
  "code" : 0
}
```

```
{
  "meta" : {
    "app_version" : "29400",
    "rn_version" : "5063000",
    "device_fingerprint" :
"48B86FCD849040189393284797B63A26",
    "device_brand" : "Apple",
    "source" : "shopee",
    "os" : 1,
    "latitude" : "",
    "longitude" : "",
    "network_type" : 1,
    "language" : "en",
    "arch" : "rn",
    "app_package_name" : "com.shopee.id",
    "device_id" : "48B86FCD849040189393284797B63A26",
    "os_version" : "15.2",
    "device_model" : "x86_64",
    "device_ip" : ""
  },
  "data" : {
    "query" : "00939393"
  }
}
```

```
{
  "msg" : "",
  "data" : {
    "phone" : "00939393",
    "portrait" :
"b2d8a64d78b5a854e5f27d6a78fdb98d",
    "activated" : true,
    "shopee_user_id" : "100007773",
    "request_id" : "",
    "debug_msg" : "Success",
    "username" : "sihui_uat_id",
    "user_id" : "100007773",
    "errcode" : 0,
    "searched_by" : 2,
    "name" : ""
  },
  "code" : 0
}
```

```
{
  "meta" : {
    "app_version" : "29400",
    "rn_version" : "5063000",
    "device_fingerprint" :
"48B86FCD849040189393284797B63A26",
    "device_brand" : "Apple",
    "source" : "shopee",
    "os" : 1,
    "latitude" : "",
    "longitude" : "",
    "network_type" : 1,
    "language" : "en",
    "arch" : "rn",
    "app_package_name" : "com.shopee.id",
    "device_id" : "48B86FCD849040189393284797B63A26",
    "os_version" : "15.2",
    "device_model" : "x86_64",
    "device_ip" : ""
  },
  "data" : {
    "query" : "0093939"
  }
}
```

```
{
  "msg" : "User Service User Not Found",
  "data" : {
    "request_id" : "",
    "errcode" : 607,
    "debug_msg" : "User Service User Not Found"
  },
  "code" : 607
}
```

7.4. /wallet/v1/query_kyc_field

7.4.1. Request Parameters

field	type	description
user_id	string	get user kyc info by user_id. shopeepay uid

7.4.2. Response Body

field	type	description
full_name	string	kyc full name
first_name	string	kyc first name
middle_name	string	kyc middle name
last_name	string	kyc last name
birthdate	string	user birth date
gender	string	

7.4.3. Mock Data

Request Body	Response Body

```
{
  "meta" : {
    "app_version" : "29400",
    "rn_version" : "5063000",
    "device_fingerprint" : "48B86FCD849040189393284797B63A26",
    "device_brand" : "Apple",
    "source" : "shopee",
    "os" : 1,
    "latitude" : "",
    "longitude" : "",
    "network_type" : 1,
    "language" : "en",
    "arch" : "rn",
    "app_package_name" : "com.shopee.id",
    "device_id" : "48B86FCD849040189393284797B63A26",
    "os_version" : "15.2",
    "device_model" : "x86_64",
    "device_ip" : ""
  },
  "data" : {
    "user_id" : "100688478"
  }
}
```

```
{
  "msg" : "",
  "data" : {
    "errcode" : 0,
    "debug_msg" : "Success",
    "request_id" : "",
    "kyc_info" : {
      "gender" : "",
      "full_name" : "Alvin *******",
      "middle_name" : "",
      "last_name" : "",
      "first_name" : "",
      "birthdate" : "1998-01-23"
    }
  },
  "code" : 0
}
```

8. Associated Data Structure

8.1. APAShopeePayUserModel 【Native】

【Native】this model is been defined on Native side. The data model after serializing the results returned by the BE api 【/user/v1/batch/get-user-info-by-phone】

field	US BE field	description	type	required
avatarUrl	avatar_url	contact user avatar url (from US BE)	string	NO
nickName	nick_name	contact user nick name	string	NO
oriPhone	ori_phone	contact user origin phone (on address book)	string	YES
phone	phone	formatted phone by US BE.	string	YES
uid	uid	contact user on shopeepay system user id. if target phone is not shopeepay user, will pass null	string	NO
username	username	contact user on shopeepay system user name.	string	NO

| accountStatus | status | contact user on shopeepay system user status. if target phone is not shopeepay user, will pass 0 | number enum

typedef NS_ENUM(NSInteger, APAAccountStatus)

{

  APAAccountStatusNoExist   = 0,

  APAAccountStatusActivePass   = 1,

  APAAccountStatusLocked   = 2,

  APAAccountStatusBanned   = 3,

  APAAccountStatusDeleted   = 4,

}; | YES |

8.2. APAAddressBookContactModel【Native】

【Native】After reading the contact list from the address book, the serialized data model。Used to store address book data

field	description	type	required
names	The user's full name in the address book	List<string>	YES
phone	The user's phone in the address book	string	YES

8.3. SSPCMAContact【Native】

【Native】this model is been defined on Native side.

field	description	type	required
shopeepayUserId	contact user on shopeepay system user id. if target phone is not shopeepay user, will pass null	string	NO
shopeeUserName	contact user on shopeepay system user name.	string	NO
nickName		string	NO
shopeepayProfile	contact user avatar url (from US BE)	string	NO
contactNames	The user's full name in the address book	List<string>	NO
phoneNumber	contact user origin phone (on address book)	string	NO
formattedPhoneNumber	formatted phone by US BE.	string	NO

accountStatus	contact user on shopeepay system user status.
	
	if target phone is not shopeepay user, will pass 0
		number
		
		typedef NS_ENUM(NSInteger, APAAccountStatus)
		
		{
		
		  APAAccountStatusNoExist = 0,
		
		  APAAccountStatusActivePass = 1,
		
		  APAAccountStatusLocked = 2,
		
		  APAAccountStatusBanned = 3,
		
		  APAAccountStatusDeleted = 4,
		
		};
			NO

8.4. MergeContact【RN】

【Native】this model is been defined on RN side.   The data model used to render the contact list

field	description	type	required
userId	shopeepay userid. value form Native RN bridge map from SSPCMAContact's shopeepayUserId	string Native side returns -1 for no userid	NO
userName	shopeepay username. value form Native RN bridge map from SSPCMAContact's shopeeUserName	string	NO
shopName	not used	string	NO
portrait	user avatar url. value form Native RN bridge map from SSPCMAContact's shopeepayProfile	string	NO
contactName	The user's full name in the address book. value form Native RN bridge . map from SSPCMAContact's contactNames. the first value of list	string	NO
phoneNumber	contact user origin phone (on address book). value form Native RN bridge . map from SSPCMAContact's phoneNumber field.	string	NO
relationType	not used	string	NO
chatCounter	not used	string	NO
profilePicture	not used	string	NO
formattedPhoneNumber	formated PhoneNumber of contact origin phone number by RN side. don't use Native RN bridge pass value. ```\nconst formattedPhoneNumber = formatPhoneNumberUtil.format(\n contact.phoneNumber\n);\n```	string	NO

accountStatus	contact user on shopeepay system user status. value form Native RN bridge .
	
	map from SSPCMAContact's accountStatus field.
		number
		
		export enum AccountStatus {
		NOT_EXIST = 0,
		ACTIVE = 1,
		LOCKED = 2,
		BANNED = 3,
		DELETED = 4,
		}
			NO