

# iOS SDK UI Customization API

UI and Key Mapping Reference [Suggest Edits](#)

This article describes two different ways to customize your iOS application using the [iOS SDK](#) :

- Static Resources
- customize the UI layout during build time.
- Programmatic Customization
- modifies the layout at run time.

Note:

You can combine static and programmatic approaches for customization. To use the SDK in the most flexible way, combine the reference in this article with the [iOS SDK](#) .

Sample Application : Refer to the [iOS sample application](#) for example code.

## Layouts

### How to Use the Layout Images and Index Tables

This section includes screenshots of layouts for the SDK functionality. As you review the layouts, you can cross-reference the alphanumeric tags in the images with the values in the index tables that follow this section:

- [Index Table A](#)
- [Index Table B](#)
- [Index Table C](#)

#### New PIN Code

#### Confirm PIN Code

#### Enter PIN Code

#### Security Intros

#### Security Questions

#### Select Question

#### Security Summary

#### Security Confirm

#### Recover PIN Code

#### Index Table A

Based on the layouts, table A provides the UI item named in the controller and the keys currently in use. You can get the UIViewController from WalletSdkDelegate and customize the UI items in the run time. Also, you can provide the values in static resources CirclePWLocalizable.strings and CirclePWTheme.json for customization layouts in build time.

Programmatic Customization

Static Resources CirclePWLocalizable.strings CirclePWTheme.json

Controller Item Note

font color A1 NewPINCodeViewController titleLabel1 - circlepw\_new\_pincode\_headline semibold text\_main A2

#### titleLabel2

circlepw\_new\_pincode\_headline\_2 bold title\_gradients A3

## subtitleLabel

circlepw\_new\_pincode\_subhead regular text\_auxiliary A4 BasePINInputViewController - dots and texts will be generated dynamically - light pin\_dot\_base / pin\_dot\_base\_border / pin\_dot\_activated / success / error A5

- shows ApiError.displayString - regular error A6

showPINButton show pin circlepw\_show\_pin semibold text\_action / text\_action\_pressed A7

hide pin circlepw\_hide\_pin A8 ConfirmPINCodeViewController titleLabel1 - circlepw\_confirm\_pincode\_headline semibold text\_main A9

## titleLabel2

circlepw\_confirm\_pincode\_headline\_2 bold title\_gradients A10

## subtitleLabel

circlepw\_confirm\_pincode\_subhead regular text\_auxiliary A11 EnterPINCodeViewController titleLabel1 - circlepw\_enter\_pincode\_headline semibold text\_main A12

## titleLabel2

circlepw\_enter\_pincode\_headline\_2 bold title\_gradients A13

## subtitleLabel

circlepw\_enter\_pincode\_subhead regular text\_auxiliary A14

## forgotPINButton

circlepw\_enter\_pincode\_forgot\_pin semibold text\_action / text\_action\_pressed A15 SecurityIntrosViewController titleLabel1 - circlepw\_security\_intros\_headline semibold text\_main A16

## titleLabel2

circlepw\_security\_intros\_headline\_2 bold title\_gradients A17

## introDescLabel

circlepw\_security\_intros\_description regular text\_auxiliary2 A18

## introLinkButton

circlepw\_security\_intros\_link regular text\_action / text\_action\_pressed A18-1

introLink custom your url string - - - A19

continueButton text circlepw\_continue semibold main\_bt\_text / main\_bt\_text\_pressed / main\_bt\_text\_disabled background

-

main\_bt\_background / main\_bt\_background\_pressed / main\_bt\_background\_disabled A20 SecurityQuestionsViewController baseNavititleLabel - circlepw\_security\_questions\_title medium text\_main A21

nextButton text circlepw\_next semibold main\_bt\_text / main\_bt\_text\_pressed / main\_bt\_text\_disabled background

-

main\_bt\_background / main\_bt\_background\_pressed / main\_bt\_background\_disabled A22 SecurityQuestionTableViewCell questiontitleLabel - circlepw\_security\_questions\_question\_header regular text\_auxiliary A23

## questionMarkLabel

circlepw\_security\_questions\_required\_mark regular error A24

- placeholder circlepw\_security\_questions\_question\_placeholder regular text\_placeholder selected question
- regular text\_main A25

## answerTitleLabel

circlepw\_security\_questions\_answer\_header regular text\_auxiliary A26

- placeholder circlepw\_security\_questions\_answer\_placeholder regular text\_placeholder input text
- regular text\_main view

-

input\_background\_disabled / input\_border / input\_border\_focused A27

## hintTitleLabel

circlepw\_security\_questions\_answer\_hint\_header regular text\_auxiliary A28

- placeholder circlepw\_security\_questions\_answer\_hint\_placeholder regular text\_placeholder input text
- regular text\_main view

-

input\_background\_disabled / input\_border / input\_border\_focused A29

hintWarningLabel ApiError(.hintsMatchAnswers) - regular error A30 SelectQuestionViewController baseNaviTitleLabel - circlepw\_select\_question\_title medium text\_main A31 SelectQuestionTableViewCell titleLabel question list - regular text\_main A32 SecuritySummaryViewController baseNaviTitleLabel - circlepw\_security\_summary\_title medium text\_main A33

continueButton text circlepw\_continue semibold main\_bt\_text / main\_bt\_text\_pressed / main\_bt\_text\_disabled background

-

main\_bt\_background / main\_bt\_background\_pressed / main\_bt\_background\_disabled A34 SecuritySummaryTableViewCell titleLabel - {ordinal} + circlepw\_question semibold text\_main2 A35

## questionTitleLabel

circlepw\_question + “:” regular text\_auxiliary2 A36

-

- regular text\_summary A37

## answerTitleLabel

circlepw\_answer + “:” regular text\_auxiliary2 A38

-

- semibold text\_summary\_highlight A39

## hintTitleLabel

circlepw\_hint + “:” regular text\_auxiliary2 A40

-  
circlepw\_empty\_placeholder regular text\_summary A41 SecurityConfirmViewController baseNaviTitleLabel -  
circlepw\_security\_confirm\_title medium text\_main A42

## imageBgView

-  
security\_confirm\_main\_bg A43

## tipsTitleLabel

circlepw\_security\_confirm\_headline medium text\_main A44

## agreeTitleLabel

circlepw\_security\_confirm\_input\_headline semibold text\_main2 A45

agreeTextField placeholder circlepw\_security\_confirm\_input\_placeholder regular text\_placeholder input text

- regular text\_main2 view

-  
input\_background\_disabled / input\_border / input\_border\_focused A46

continueButton text circlepw\_continue semibold main\_bt\_text / main\_bt\_text\_pressed / main\_bt\_text\_disabled background

-  
main\_bt\_background / main\_bt\_background\_pressed / main\_bt\_background\_disabled A47 RecoverPINCodeViewController  
titleLabel1 - circlepw\_recover\_pincode\_headline semibold text\_main A48

## titleLabel2

circlepw\_recover\_pincode\_headline\_2 bold title\_gradients A49

- shows ApiError.displayString - regular text\_main A50

errorMessageView background - - error\_background A51

confirmButton text circlepw\_confirm semibold main\_bt\_text / main\_bt\_text\_pressed / main\_bt\_text\_disabled background

-  
main\_bt\_background / main\_bt\_background\_pressed / main\_bt\_background\_disabled A52 RecoverPINCodeTableViewCell  
- - - regular text\_main2 A53

hintTitleLabel text circlepw\_hint regular recover\_pin\_hint\_title background

-  
recover\_pin\_hint\_title\_bg A54

- placeholder circlepw\_empty\_placeholder regular recover\_pin\_hint A55

## answerTitleLabel

circlepw\_recover\_pincode\_answer\_input\_header regular text\_auxiliary A56

## answerMarkLabel

circlepw\_security\_questions\_required\_mark regular error A57

- placeholder circlepw\_recover\_pincode\_answer\_input\_placeholder regular text\_placeholder input text

- regular text\_main view

-

input\_background\_disabled / input\_border / input\_border\_focused

## Index Table B

By confirming the WalletSdkLayoutProvider , you can custom layout from Table-B dynamically. See the [Sample Code](#) .

WalletSdkLayoutProvider Note B1 func securityQuestions() -> [SecurityQuestion] Set security question list B2 func securityQuestionsRequiredCount() -> Int Set security question required count (default is 2) B3 func securityConfirmItems() -> [SecurityConfirmItem] Set security confirm item list B4 func displayDateFormat() -> String Set the date format for display date strings. (Default is "yyyy-MM-dd") - func imageStore() -> ImageStore Set local and remote images (more details inTable-C ) - func themeFont() -> ThemeConfig.ThemeFont? Set theme font programmatically- Provide the ThemeFont structure by code. - This method will override the font setups in CirclePWTheme.json file. -

## Index Table C

Used in WalletSdkLayoutProvider Used in WalletSdkDelegate

ImageStore.Img (Enum) Controller Item C1 naviClose - - C2 naviBack - - C3 securityIntroMain SecurityIntrosViewController introImageView C4 dropdownArrow SecurityQuestionTableViewCell questionTrailingButton C5 selectCheckMark SelectQuestionTableViewCell checkmarkImage C6 securityConfirmMain SecurityConfirmViewController imageView C7 errorInfo RecoverPINCodeViewController errorImageView \* Use the \* ImageStore.Img (Enum) \* column to customize with the \* WalletSdkLayoutProvider \* :

```
Swift func imageStore() -> ImageStore { let local: [ImageStore.Img: UIImage] = [ .naviBack: UIImage(named: "ic_navi_back")!, .naviClose: UIImage(named: "ic_navi_close")!, .selectCheckMark: UIImage(named: "ic_checkmark")!, .dropdownArrow: UIImage(named: "ic_trailing_down")!, .errorInfo: UIImage(named: "ic_warning_alt")!, .securityIntroMain: UIImage(named: "img_security_intro")!, .securityConfirmMain: UIImage(named: "img_driver_blog")! ]
```

```
let remote: [ImageStore.Img: URL] = [ .securityIntroMain: URL(string: "https://www.circle.com/hs-fs/hubfs/Sundaes/810/global-payments-810x810.png")!, .securityConfirmMain: URL(string: "https://www.circle.com/hs-fs/hubfs/Sundaes/810/Trust-810x810.png")!, ]
```

```
return ImageStore(local: local, remote: remote)
```

} \* If you set both local and remote images, the remote image will present after the image loads, and the local image will be set as the placeholder image. \* The remote image formats supported include those from the Apple system (JPEG, PNG, TIFF, BMP, etc.), GIF, and APNG animated images. \* The remote image formats unsupported for new image formats include HEIC, BPG, AVIF, and vector formats such as PDF and SVG. \* TheController \* andItem \* column shows where the images are used. \* Refer to the UI items If you have special customizations with \* WalletSdkDelegate \* (not recommended)

## Static Resources

This section describes how to customize the UI for iOS statically.

Note:

Circle recommends customizing the UI using static files.

You can copy the icon images from the [Sample Project](#) .

## Assets

Because the CircleProgrammableWalletSDK does not contain any image resources for the SDK; you must provide the icon images from either local assets or remote URLs.

Important:

Setting the `WalletSdkLayoutProvider.imageStore` in `WalletSdkLayoutProvider` is required for you to see icons in the layouts.

## CirclePWLocalizable.strings

### Setup

1. Create a file `CirclePWLocalizable.strings`
2. in your main bundle.
3. Provide your strings. Partial override is supported.

Note:

You can provide specific keys and values you want to override and others keys will still refer to the default values.

1. Localization is supported. For more information, see [Localization | Apple Developer Documentation](#)
2. .

### Example CirclePWLocalizable.strings

```
Swift / * Loco ios export: iOS Localizable.strings * Project: strings.xml conversion * Release: Working copy * Locale: en, English * Exported by: Circle * Exported at: Tue, 27 Jun 2023 23:35:22 +0800 /
```

```
// [General] "circlepw_show_pin" = "Show PIN"; "circlepw_hide_pin" = "Hide PIN"; "circlepw_continue" = "Continue";  
"circlepw_next" = "Next"; "circlepw_confirm" = "Confirm";
```

```
"circlepw_question" = "Question"; "circlepw_answer" = "Answer"; "circlepw_hint" = "Hint"; "circlepw_empty_placeholder" = "-";
```

```
// [Page] EnterPINCode "circlepw_enter_pincode_headline" = "Enter your"; "circlepw_enter_pincode_headline_2" = "Web3 PIN"; "circlepw_enter_pincode_subhead" = "Let us know if it's really you."; "circlepw_enter_pincode_forgot_pin" = "Forgot PIN?";
```

```
// [Page] NewPINCode "circlepw_new_pincode_headline" = "Enter your new"; "circlepw_new_pincode_headline_2" = "Web3 PIN"; "circlepw_new_pincode_subhead" = "Your PIN can't have repeating (e.g. 000000) or consecutive (e.g. 123456) numbers.";
```

```
// [Page] ConfirmPINCode "circlepw_confirm_pincode_headline" = "Re-enter your PIN to confirm";  
"circlepw_confirm_pincode_headline_2" = ""; "circlepw_confirm_pincode_subhead" = "";
```

```
// [Page] SecurityIntros "circlepw_security_intros_headline" = "Set up your"; "circlepw_security_intros_headline_2" = "Recovery Method"; "circlepw_security_intros_description" = "This is the only way to recover wallet access if you forget your PIN. Pick 2 security questions and provide answers for access recovery."; "circlepw_security_intros_link" = "Learn more";
```

```
// [Page] SecurityQuestions "circlepw_security_questions_title" = "Recovery method";  
"circlepw_security_questions_question_header" = "Choose your %@ question";  
"circlepw_security_questions_question_placeholder" = "Select one question"; "circlepw_security_questions_required_mark" = "**"; "circlepw_security_questions_answer_header" = "Provide an answer";  
"circlepw_security_questions_answer_placeholder" = "Type your answer here";  
"circlepw_security_questions_answer_hint_header" = "Provide an answer hint (optional)";  
"circlepw_security_questions_answer_hint_placeholder" = "Type your hint here";
```

```
// [Page] SelectQuestion "circlepw_select_question_title" = "Select one question";
```

```
// [Page] SecuritySummary "circlepw_security_summary_title" = "Summary";
```

```
// [Page] SecurityConfirm "circlepw_security_confirm_title" = "Confirmation"; "circlepw_security_confirm_headline" = "Keep your questions safe"; "circlepw_security_confirm_input_headline" = "Type 'I agree' to proceed";  
"circlepw_security_confirm_input_placeholder" = "Type 'I agree' here"; "circlepw_security_confirm_input_match" = "I agree";
```

```
// [Page] RecoverPINCode "circlepw_recover_pincode_headline" = "Recover your"; "circlepw_recover_pincode_headline_2" = "Web3 PIN"; "circlepw_recover_pincode_subhead" = "Please enter the answer of the security questions provided below."; "circlepw_recover_pincode_answer_input_header" = "Enter your answer here";  
"circlepw_recover_pincode_answer_input_placeholder" = "Type your answer here";
```

### CirclePWTheme.json

## Setup

- Copy the fileCirclePWTheme.json
- into your main bundle. You can use
- Cmd + drag and drop
- .
- Make sure you have selected the
- Target Membership
- .
- Provide values to set thefont
- : To use a custom font, refer to this document[Adding a Custom Font to Your App | Apple Developer Documentation](#)
- .
- Set thecolor
- with a hex string:

## Example: CirclePWTheme.json

JSON { "font": { "ultraLight": "", "thin": "", "light": "", "regular": "CustomFont-Regular", "medium": "CustomFont-Medium", "semibold": "", "bold": "", "heavy": "", "black": "" }, "color": { "background": "#FFFFFF", "divider": "#F0EFEF", "success": "#00B14F", "error": "#F55538", "error\_background": "#FDF2F2",

"text\_main": "#1A1A1A",  
"text\_main2": "#1C1C1C",  
"text\_auxiliary": "#3D3D3D",  
"text\_auxiliary2": "#707070",  
"text\_summary": "#005339",  
"text\_summary\_highlight": "#005339",  
"text\_placeholder": "#A3A3A3",  
"text\_action": "#136FD8",  
"text\_action\_pressed": "#B3136FD8",

"pin\_dot\_base": "#FFFFFF",  
"pin\_dot\_base\_border": "#707070",  
"pin\_dot\_activated": "#3D3D3D",

"input\_border": "#E8E8E8",  
"input\_border\_focused": "#00B14F",  
"input\_background\_disabled": "#F5F5F5",

"main\_bt\_text": "#FFFFFF",  
"main\_bt\_text\_pressed": "#FFFFFF",  
"main\_bt\_text\_disabled": "#BFBFBF",  
"main\_bt\_background": "#00B14F",  
"main\_bt\_background\_pressed": "#005339",  
"main\_bt\_background\_disabled": "#F5F5F5",

"recover\_pin\_hint\_title": "#005339",  
"recover\_pin\_hint\_title\_bg": "#EEF9F9",  
"recover\_pin\_hint": "#005339",

"security\_confirm\_main\_bg": "#3AB5EE",

"title\_gradients": [  
"#00B14F",  
"#23B64B",  
"#35BA47",  
"#43BE43",  
"#4FC23F",  
"#59C53C",  
"#62C838",  
"#6ACA34",  
"#71CD31",  
"#77CF2D",  
"#7DD02A",  
"#82D228",  
"#85D325",  
"#88D424",  
"#8AD522",  
"#8CD521"  
]

```
}}
```

## Programmatic Customization

To programmatically customize the UI refers to the following documents:

- The corresponding rendered layout and the notes on [Index Table B](#)
- .
- The [Programmable Wallet iOS SDK](#)
- .

### Example Code

Swift extension WalletSdkAdapter: WalletSdkLayoutProvider {

```
func securityQuestions() -> [SecurityQuestion] {
    return [
        SecurityQuestion(title: "What is your childhood nickname?", inputType: .text),
        SecurityQuestion(title: "What is the middle name of your oldest child?", inputType: .text),
        SecurityQuestion(title: "What is your favorite team?", inputType: .text),
        SecurityQuestion(title: "When was your birthday?", inputType: .datePicker),
        SecurityQuestion(title: "When is your marriage anniversary?", inputType: .datePicker),
    ]
}

func securityQuestionsRequiredCount() -> Int {
    return 2
}

func securityConfirmItems() -> [SecurityConfirmItem] {
    return [
        SecurityConfirmItem(image: UIImage(named: "img_info"),
            text: "This is the only way to recover my account access."),
        SecurityConfirmItem(image: UIImage(named: "img_claim_success"),
            text: "Circle won't store my answers so it's my responsibility to remember them."),
        SecurityConfirmItem(image: UIImage(named: "img_claim_success"),
            text: "I will lose access to my wallet and my digital assets if I forget my answers."),
    ]
}

func displayDateFormat() -> String {
    return "yyyy/MM/dd"
}

func imageStore() -> ImageStore {
    let local: [ImageStore.Image: UIImage] = [
        .naviBack: UIImage(named: "ic_navi_back")!,
        .naviClose: UIImage(named: "ic_navi_close")!,
        .selectCheckMark: UIImage(named: "ic_checkmark")!,
        .dropdownArrow: UIImage(named: "ic_trailing_down")!,
        .errorInfo: UIImage(named: "ic_warning_alt")!,
        .securityIntroMain: UIImage(named: "img_security_intro")!,
        .securityConfirmMain: UIImage(named: "img_driver_blog")!
    ]

    let remote: [ImageStore.Image: URL] = [
        .securityIntroMain: URL(string: "https://www.circle.com/hs-fs/hubfs/Sundaes/810/global-payments-810x810.png")!,
        .securityConfirmMain: URL(string: "https://www.circle.com/hs-fs/hubfs/Sundaes/810/Trust-810x810.png")!,
    ]

    return ImageStore(local: local, remote: remote)
}

func themeFont() -> ThemeConfig.ThemeFont? {
    return ThemeConfig.ThemeFont(
        ultraLight: nil,
        thin: nil,
        light: "CustomFont-Light",
        regular: "CustomFont-Regular",
        medium: "CustomFont-Medium",
        semibold: "CustomFont-SemiBold",
        bold: "CustomFont-Bold",
        heavy: nil,
        black: nil
    )
}
```



## WalletSdkDelegate

By modifying the WalletSdkDelegate , you can get the current view controller and control the UI parameters in the controller at run time.

Swift public protocol WalletSdkDelegate: AnyObject {

```
/// Tells the delegate that the SDK is about to be presented in the controller.
/// You can customize the layout as you wish dynamically.
///
/// - Parameter controller: The UIViewController to be presented
func walletSdk(willPresentController controller: UIViewController)
```

...

}

### Example Code

Swift extension WalletSdkAdapter: WalletSdkDelegate {

```
func walletSdk(willPresentController controller: UIViewController) {
    print("willPresentController: \(controller)")

    if let controller = controller as? NewPINCodeViewController {
        controller.titleLabel1.text = "Hello World"
        controller.titleLabel1.textColor = .blue
        controller.titleLabel1.font = .systemFont(ofSize: 28, weight: .black)
    }

    if let controller = controller as? SecurityConfirmViewController {
        controller.imageBgView.backgroundColor = .blue
        controller.imageView.contentMode = .scaleAspectFill
    }
}

...
}
```

### View Public Interface

Use Jump to Definition ( Cmd + left click ) to see the public interface of the view controller. Change the UI items as you need.

#### Jump to Definition

#### Public Interface

## ErrorMessenger

### ApiError

#### Interface

Swift public struct ApiError: Error {

public let errorCode: ErrorCode

```
/// Error string from the SDK
public let errorString: String
```

```
/// Error string for UI display
public var displayString: String
```

} By modifying the ErrorMessageger , you can customize the ApiError messages. Your customization replaces the default ApiError.displayString for UI usage. You can also manage the localized error message.

Swift public protocol ErrorMessageger {

```
func getErrorString(_ code: ApiError.ErrorCode) -> String?
```

}

## Example Code

Swift import CircleProgrammableWalletSDK

```
class MyErrorMessage: ErrorMessage {

func getErrorString(_ code: ApiError.ErrorCode) -> String? {
    switch code {
        case .hintsMatchAnswers:
            return "Your custom error message."

        case .networkError:
            return "Your custom error message."

        default:
            return nil
    }
}

}

// ===== setErrorMessage =====
```

WalletSdk.shared.setErrorMessage(MyErrorMessage())

## ErrorCode and Messages Table

The following table shows the ApiError.ErrorCode key names and their default values:

ApiError.ErrorCode Default Value unknown(-1) Unknown error success(0) Success apiParameterMissing(1) API parameter missing apiParameterInvalid(2) API parameter invalid forbidden(3) Forbidden unauthorized(4) Unauthorized retry(9) Retry customerSuspended(10) Customer suspended pending(11) Pending invalidSession(12) Invalid session invalidPartnerId(13) Invalid partner ID invalidMessage(14) Invalid Message published to a SQS queue. invalidPhone(15) Invalid phone number %@ walletIdNotFound(156001) tokenIdNotFound(156002) transactionIdNotFound(156003) entityCredentialNotFound(156004) walletSetIdNotFound(156005) userAlreadyExisted(155101) user already existed userNotFound(155102) user not found userTokenNotFound(155103) user token not found userTokenExpired(155104) user token expired invalidUserToken(155105) invalid user token userWasInitialized(155106) user was initialized userHasSetPin(155107) user has set pin userHasSetSecurityQuestion(155108) user has set security question userWasDisabled(155109) user was disabled userDoesNotSetPinYet(155110) user does not set pin yet userDoesNotSetSecurityQuestionYet(155111) user does not set security questions yet incorrectUserPin(155112) The PIN you entered is incorrect. You have %@ attempts left. incorrectDeviceId(155113) incorrect device id incorrectAppId(155114) app id not found incorrectSecurityAnswers(155115) The answers you entered are incorrect. You have %@ attempts left. invalidChallengeId(155116) invalid challenge id invalidApproveContent(155117) invalid approve content invalidEncryptionKey(155118) invalid encryption key userPinLocked(155119) You've used up all PIN attempts. Please wait for %@ mins to retry later. securityAnswersLocked(155120) The answers you entered are incorrect. Please wait for %@ mins to retry again. walletsFrozen(155501) Wallet is Frozen maxWalletLimitReached(155502) Max wallet limit reached walletSetIdMutuallyExclusive(155503) WalletSetId can not be used together with blockchain and address filter metadataUnmatched(155504) metadata array length does not match wallet count userCanceled(155701) User canceled launchUiFailed(155702) pinCodeNotMatched(155703) The PIN you entered is not the same as the first one. insecurePinCode(155704) Your PIN can't have repeating or consecutive numbers. hintsMatchAnswers(155705) Your hint can't be the same as the answer. networkError(155706) Network error Updated5 months ago \* [Table of Contents](#) \*\* [Layouts](#) \*\*\* [How to Use the Layout Images and Index Tables](#) \*\*\* [New PIN Code](#) \*\*\* [Confirm PIN Code](#) \*\*\* [Enter PIN Code](#) \*\*\* [Security Intros](#) \*\*\* [Security Questions](#) \*\*\* [Select Question](#) \*\*\* [Security Summary](#) \*\*\* [Security Confirm](#) \*\*\* [Recover PIN Code](#) \*\*\* [Index Table A](#) \*\*\* [Index Table B](#) \*\*\* [Index Table C](#) \*\*\* [Static Resources](#) \*\*\* [Assets](#) \*\*\* [CirclePWLocalizable.strings](#) \*\*\* [Example CirclePWLocalizable.strings](#) \*\*\* [CirclePWTheme.json](#) \*\*\* [Programmatic Customization](#) \*\*\* [Example Code](#) \*\*\* [WalletSdkDelegate](#) \*\* [ErrorMessage](#) \*\*\* [ApiError Interface](#) \*\* [ErrorCode and Messages Table](#)