iOS QR Code Scanner
Simple QR Code Scanning Project using Swift UI.

Prerequisite:
Developing tool: Xcode 13.4+   Swift, SwiftUI custom dependencies.
Compatibility:
iPhone 11, iPhone 12, iPhone 13, iPad 10.2+
Setup:
In Xcode IDE, go to info, click to add a Custom iOS Target Properties Key
Search for Privacy - Camera Usage Description
Value String: "We need the camera to scan the QR code" ->
This preset will enable users to turn on their camera Privacy for scanning

Secondarily, click to add Appearance   Value String: Light ->
If the app is used on a physical device, this functionality will automatically maximize the brightness on the user's devices for better scannability if QR code is detected.

Next, click File->Add Packages…-> add CodeScannerDependency
https://github.com/twostraws/CodeScanner into Package Dependencies.

Debugging&Troubleshooting:
In order to prevent the occurence of "`Cannot assign value of type 'ScanResult' to type 'String'` " error at `self.scannedCode = code`, we need to use
`self.scannedCode = code.string` instead to make the value types compatible.

Commits&Pushes Steps:
Must customize commit message for each commit:
Changes done in ContentView.swift file-> Save -> Source Control->Commit->Flat->Selected the committed file->Enter customized commit message down below->Select Push to Remote (origin/origin/main)-> Commit N files. Done Committing.
NOTE: To retain each commit to Github Repositories:
Must save -> resume -> rebuild on Simulator -> push both hierarchical and flat modified files and assets remotely to the Github origin/main.
Method Running The Project:
Download the project to local directory
Xcode must be 13.4 and higher versions
Compatible with MacOS Monterey 12.0 or higher versions

Enable Camera access or Local Photo Library access in local device
Testing Result:
Online QR code generator https://me-qr.com
Starting UI that prompts user to scan a QR code to get started: screenshot 1.1.6
iOS 15.5 Simulator message. Camera access isn't available on Xcode Simulator, so select a custom image: screenshot 1.1.7
Testing on url link: screenshot 1.0.7 screenshot 1.0.8
Testing on random text: screenshot 1.1.0 screenshot 1.1.1
Testing on image: screenshot 1.1.2 screenshot 1.1.3 screenshot 1.1.4

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