

You are required to create a workspace named E\_Core\_workspace contains three projects:

1- E\_Core Framework project contains:

- E\_Core\_sum.swift class which has one property numbers: List of Ints and one func sum(numbers) returns the sum of numbers list as Int.

- E\_Core\_UI\_Component ViewController has two outlets (e\_Label: Label , e\_btn: Button) and four properties (message, btnTitle: String, btnColor: Color, btnHandler which is a closure function) and assigns the message property to e\_Label.text and btnTitle/Color to e\_btn.title/Color . Also has one IBAction function connected with the e\_btn and execute the btnHandler closure property when touchUpInside.

- build and archive the E\_Core Framework **(End of Task one)**

2- E\_iPhone project: runs only on the iPhone, imports the E\_Core Framework, contains a view controller to display an Instance of E\_Core\_UI\_Component with (message = "Sum of 1+2+3 = 6 calculated using E\_Core\_sum..sum function", btnTitle = "Good", btnColor= red, shows the following described dialogue when click the e\_btn )

- The dialogue shows a QR code with url string data, when the QR is scanned by camera , the url appears for lunching .

3- E\_iPad project: runs only on the iPad, imports the E\_Core Framework, contains a view controller to display an Instance of E\_Core\_UI\_Component with (message = "Sum of 1+1 = 2 calculated using E\_Core\_sum..sum function", btnTitle = "V.good", btnColor= gree, push another view controller (E\_iPad\_Splitor\_VC) when click the e\_btn)

- E\_iPad\_Splitor\_VC is an UISplitViewController with two children : the left one is a table view with a list of files names (add three pdf files to your project bundle assets), when a name in the table is selected , the content of the file will be displayed in the second child view controller (you may try using WKWebView to display the pdf file content)

```
let requestObj = URLRequest(url : inputFile)
webView.load(requestObj)
```

