

HOMEWORKS #2-5

dedicated to Research Seminar
«Development of applications for the Apple iOS platform»

HW 2: part 1

Theme and Objective

Theme	Simple project creation
Objective	Mastering programming layout creation and stack view usage

Task description

You should create a simple app without storyboard.

Task requirements

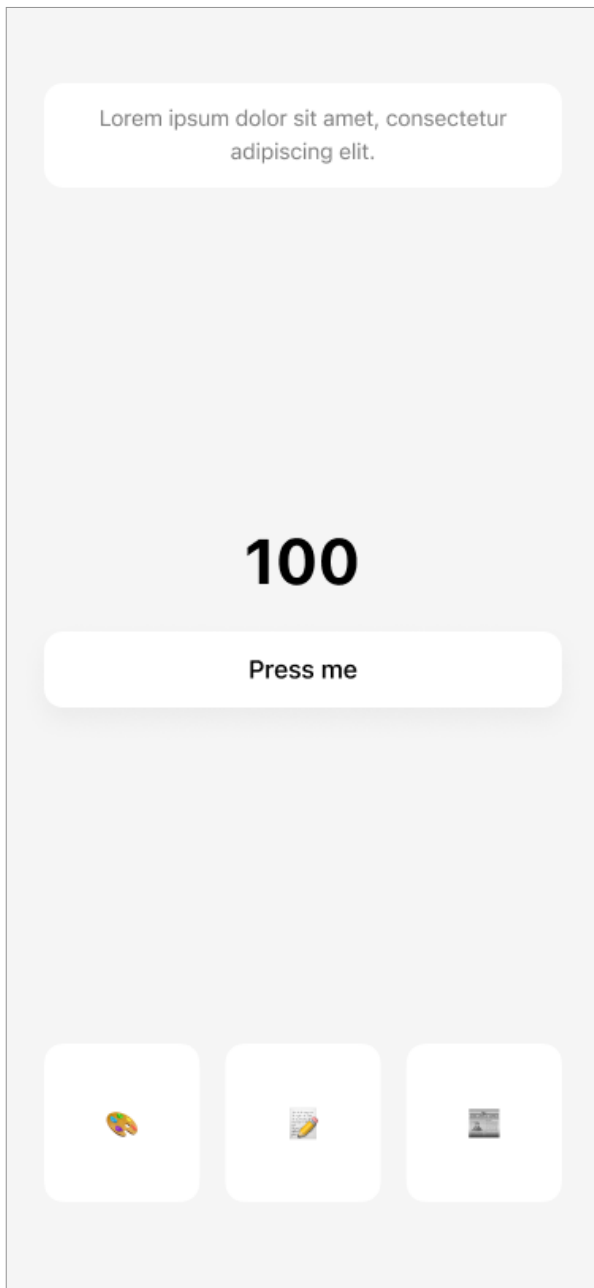
During this task:

- You are not allowed to use React, SwiftUI, Objc-C or anything except vanilla Swift.
- You cannot use StoryBoard to layout the app.
- ...

Grading

Grade	Task
0	The task was not submitted or it contains nothing
1	The task has nothing to do with the assignment.
2	The project has button and label (with integer value)
3	When the button is pressed, label changes (number increases)
4	Button can be used more than once
5	«Comment» label is created (pinned to the top of the device)
6	«Comment» label changes corresponding to the value of the integer label
7	«Comment» label changes with animation
8	Stack view with buttons is created
9	The app looks similar on devices with different sizes
10	Shadows for button is added using CALayer extension /or/ any button triggers haptic response on click

Visualisation



HW 3: part 2

Theme and Objective

Theme	-
Objective	-

Task description

You should create a simple app without storyboard.

Task requirements

During this task:

- You are not allowed to use React, SwiftUI, Objc-C or anything except vanilla Swift.
- You cannot use StoryBoard to layout the app.
- ...

Grading

Grade	Task
0	The task was not submitted or it contains nothing
1	The task has nothing to do with the assignment.
2	View appears when palette button is pressed
3	View consists of vertical stackview with 3 (RGB) horizontal stackviews (label - slider/input)
4	Sliders are interactive
5	View with colours can be closed using second tap on palette button
6	App background changes color corresponding to sliders drags
7	Color change is done using animation
8	Sliders/Inputs represents background color from the beginning (when palette button is pressed for the first time)
9	The app looks similar on devices with different sizes and elements don't overlap
10	Other buttons in stackview are disabled when palette button is active

Visualisation

Lorem ipsum dolor sit amet,
consectetur adipiscing elit.


100


Press me


Red

Green

Blue







HW 4: part 3

Theme and Objective

Theme	-
Objective	-

Task description

You should create a simple app without storyboard.

Task requirements

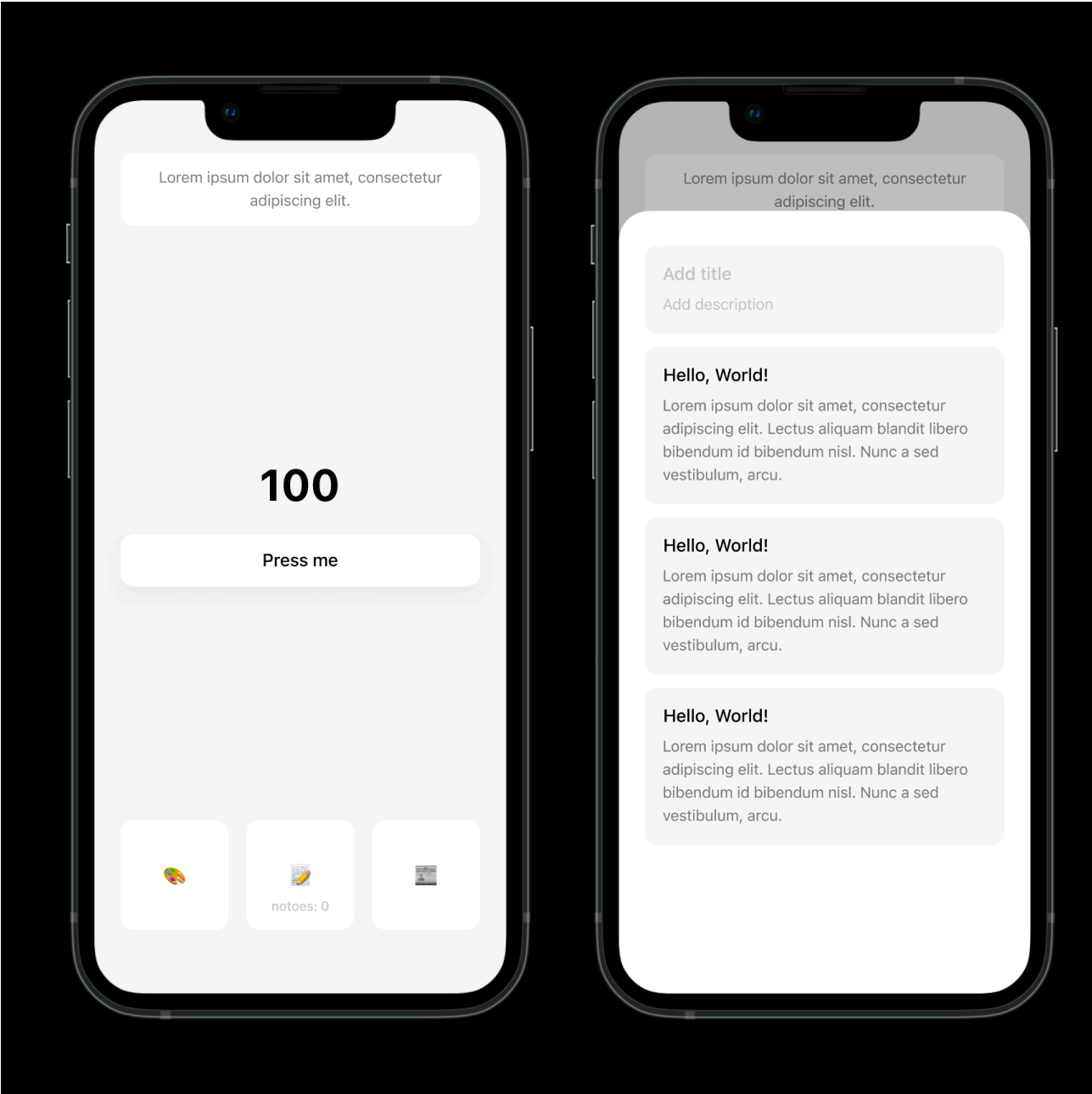
During this task:

- You are not allowed to use React, SwiftUI, Objc-C or anything except vanilla Swift.
- You cannot use StoryBoard to layout the app.
- ...

Grading

Grade	Task
0	The task was not submitted or it contains nothing
1	The task has nothing to do with the assignment.
2	View controller appears when button is triggered
3	TableView inside ViewController has cells
4	Each cell
5	
6	
7	
8	Label in the notes button represents number of notes
9	
10	The task is done using protocol

Visualisation



HW 5: part 4

Theme and Objective

Theme	-
Objective	-

Task description

You should create a simple app without storyboard.

Task requirements

During this task:

- You are not allowed to use React, SwiftUI, Objc-C or anything except vanilla Swift.
- You cannot use StoryBoard to layout the app.
- ...

Grading

Grade	Task
0	The task was not submitted or it contains nothing
1	The task has nothing to do with the assignment.
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-

Visualisation

