

Session 6

You need to create cards UI component.

You can find design layout by this link:

<https://www.figma.com/file/GkwJfBmpUtaeGu5edk9Omy/WorldCinema-Session6?node-id=0%3A1>

Component requirements:

1. The component should be executed in a separate module, to be child of the View class (UIView).
2. In the design of the component should follow the basic principles of object-oriented programming. For all public methods, you must add descriptions in the form of comments.
3. A user interface component needs to be correctly displayed on smartphones in portrait orientation.
4. Input parameters of the component (set using public property setters):
 - List of image URLs to display.
 - Icon displayed on top of the card when swiping to the left (optional).
 - Icon displayed on top of the card when swiping to the right (optional).
 - Placeholder for displaying when the list of images is empty (optional).
 - Radius of rounding corners of cards.
5. Public methods:
 - Call right swipe.
 - Call left swipe.
 - Get information about current card.
6. Events from component:
 - Swiped to left.
 - Swiped to right.
 - Images for cards ended.
7. The behavior of a component must match the script (scenario):

Script for “Swipe left handle”:

Precondition: the user went to the screen with the component.

User	Application	Component
1. User make swipe to left		
		2. An icon corresponding to the left swipe is displayed on top of the card.

		3. An animation of the current card and icon moving to the left with a 5° tilt is displayed.
		4. The component notifies the mobile app of the "left swipe occurred " event.
	5. The application processes the event from the "left swipe occurred" component.	
		6. The current image is removed from the list.
Main successful scenario:		
		7. The list of images is not empty. The following image is displayed.
Extension:		
		7a. The list of images is empty. Placeholder is displayed.
		7a8. The component notifies the mobile app of the "image List is empty " event.
	7a9. The application processes an event from the "image List is empty" component.	

For a swipe to the right, the behavior is similar.

When calling the method "swipe left/right " the behavior is similar, except for step 1: the initiator of the gesture is not the User, but the Mobile app.

You need to implement automatic tests to check how the component works. Design and describe the test as a use case scenario and implement it. You must have 1 unit test and 1 UI test. To save tests, you must use a separate branch of the repository.

Prepare a presentation describing the implemented component. Use diagrams to describe the structure and behavior of the component. Justify the implemented architecture. Tell us about the implementation of sending events from the component to the mobile app. Upload your presentation to repository.