

Ex 7 : Animation

Starting date: @2020년 11월 13일

Deadline: @2020년 11월 20일

Instructions

This exercise will only be based on animation.

The first exercise here is to have a slider effect between the homepage (list of games) and the discover page. When it goes from one page to another, it have a slider effect. Also when you swipe, it change page. The bottom navigation bar should also reflect those changes. When you are one homepage and you want to swipe on the left, it's blocked ⇒ you can't swipe left since the homepage is the first page.

For the login/signup page, add the animation to gave a transition when it change from one page to another. (For example you can add a transition for the height)

When you click on on card (game) on the discover page, there should be an animation where the image grows to take the size of the image of the details page. Also the details page appear after that (Check Hero widget). Do the same thing with the homepage to detail page and the favorite page and detail page.

On the detail page, center the title of the game, then remove the AppBar. When you start scrolling down (you can add more text to the description to have enough scroll), when the title disappear, it reappear with the appBar. (If it's not clear for this one don't hesitate to ask me about it) (For this one is just to learn how to do it but you can remove it after because of UX) - (check CustomScrollView and SliverAppBar)

Add FadeTransition between two pages (you can choose the page you want)

Objectives

- How to use animations
- How to have effect between pages
- How to add transitions

Documentation

You don't have to read all the documentation (because it gonna takes a long time) but you can refers to it when you don't know how to do something or when you have issues.

Animations:

- <https://flutter.dev/docs/development/ui/animations/tutorial>

AnimationController:

- <https://api.flutter.dev/flutter/animation/AnimationController-class.html>

AnimatedBuilder :

- <https://api.flutter.dev/flutter/widgets/AnimatedBuilder-class.html>

Animated Container:

- <https://flutter.dev/docs/cookbook/animation/animated-container>
- https://www.youtube.com/watch?v=yI-8QHpGIP4&ab_channel=GoogleDevelopers

AnimatedPositioned

- <https://api.flutter.dev/flutter/widgets/AnimatedPositioned-class.html>

Hero

- <https://flutter.dev/docs/development/ui/animations/hero-animations>

CustomScrollView

- <https://api.flutter.dev/flutter/widgets/CustomScrollView-class.html>

SilverAppBar

- <https://api.flutter.dev/flutter/material/SilverAppBar-class.html>

FadeTransition

- <https://api.flutter.dev/flutter/widgets/FadeTransition-class.html>