Building Instagram-like Prototype using Framer

Presented on Design Weekly at Bukalapak
Hi 👋, I’m Afnizar

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What is exactly Prototyping means?
A prototype is a quick model explaining the actual plans for the final product.
Why Prototyping using Framer?
Why Prototype using Framer

Helps designers create and communicate interactions
Why Prototype using Framer

Gives designers a canvas to learn and write code
Open Design Mode
Start designing Instagram layout by creating 3 artboards
Design the homepage layout
Arrange the layer, name it, make it easy to understand!
Design the feed layout
username

{likes} likes
{username} {caption}

2 hours ago  SEE TRANSLATION
05

Design the story layout
Why we separate all of the elements? 😐
There are some basic component on Framer you should know, the 3rd will blow your mind!
FlowComponent

The FlowComponent helps you transition and navigate between multiple screens.

PageComponent

The PageComponent is based on the ScrollComponent, but designed for displaying paginated instead of continuous content.

Scroll Component

A ScrollComponent is used to scroll content.
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Merasa kepo?

👉 https://framer.com/docs/
TIME
TO
CODE
First, let’s create ScrollComponent for the feed
```javascript
# Set up ScrollComponent the feed
scroll = new ScrollComponent
  y: header.height
  parent: Home
  scrollHorizontal: false
  width: Screen.width
  height: Screen.height - header.height - tabBar.height

feed_wrapper.parent = scroll.content
```
Create ScrollComponent for the story
# Set up ScrollComponent for people.story
story_scroll = new ScrollComponent
  parent: stories_wrap
  scrollVertical: false
  width: Screen.width
  height: people_story.height + 25
  y: 30

people_story.parent = story_scroll.content
DATA IS A FRIEND

- Disky Chairiandy, Senior UI Designer at Bukalapak
Luckily, Framer can easily use real data for your prototype!
```javascript

# Real Data
user = {
  
  
    "username": "steve_lianardo"
  
  
    "avatar": "https://instagram.fcgk10-1.fna.fbcdn.net/t51.2885-19/s320x320/12950243_641406459330614_1802934396_a.jpg"
  
  
    "picture": "https://instagram.fcgk10-1.fna.fbcdn.net/t51.2885-15/e35/15306537_1088591907930253_2208198207639388160_n.jpg"
  
  
    "caption": "Kuy yamin kuy"

},
```
Looping the content
# Loop post for the feed and all interaction

```javascript
for item, index in feed.children
    like = item.children[72]
    username = item.children[1]
    caption = item.children[4]
    image = item.children[3]
    avatar = item.children[0]
    heart = item.children[3].children[0]
    heart_filled1 = item.children[5]
    heart_thin1 = item.children[6]
```
Micro Animation for like button
heart_thin1.onTap ->
  heart_filled = this.parent.children[5]
  like_count = this.parent.children[12]

heart_filled.animate
  opacity: 1
  scale: 1
  options:
    - time: 0.5
    - curve: Spring

this.animate
  opacity: 0
  scale: 0
  options:
    - time: 0.5
    - curve: Spring

if heart_filled.opacity is 0
  like_count.template =
    like_count.template.likes + 1
else
  like_count.template =
    like_count.template.likes - 1
# When active:heart: on Tap

```javascript
heart_filled1.onTap ->

heart_thin = this.parent.children[6]
like_count = this.parent.children[12]

heart_thin.animate
  opacity: 1
  scale: 1
  options:
    time: 0.5
    curve: Spring

this.animate
  opacity: 0
  scale: 0
  options:
    time: 0.5
    curve: Spring

if heart_thin.opacity is 0
  like_count.template =
    like_count.template.likes - 1
else
  like_count.template =
    like_count.template.likes + 1
```
Adding event when double tap the image
# Animate heart icon when double tap the image

```jsx
image.onDoubleTap (event, layer) ->
  heart_filled2 = this.parent.children[5]
  heart_thin2 = this.parent.children[6]
  like_count = this.parent.children[12]
  heart_filled2.opacity = 0
  heart_filled2.scale = 0

  if heart_thin2 .opacity isnt 0
    like_count.template =
    like_count.template.likes+1

  this.children[0].animate
    opacity: 1
    scale: 1
    options:
      time: 0.5
      curve: Spring

  Util.delay 0.5, =>
    this.children[0].animate
    opacity: 0
    scale: 0
    options:
      time: 1
      curve: Spring
```

Building Instagram-Like Prototype using Framer / @afnizarnur
GOOD JOB FOR YOUR FIRST PROTOTYPE
“The design process is about designing and prototyping and making. When you separate those, I think the final result suffers.”

- Jonathan Ive, Chief Design Officer of Apple
Thank you! 👋
Feel free to ask me any question

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You can download the source code at

👉 https://github.com/afnizarnur/framer-instagram