7/6/19

LOADING BARS / PROGRESS BARS

Progress bars → Mechanism to indicate % task complⁿ;
→ help in perceptual reduction of wait time as system is busy processing user request;
→ provide feedback on status
egs: video streaming, mail loading, web loading

→ Determinate / Indeterminate loading bars

↓

visual indicn of % task left / complete

indicates only task progress with no quantum indication * load time 2 small / unknown choice

* < 3 seconds task — No progress bars better than having a progress bars

types - Early pause; late pause; slow warp, Fast warp; Accelerating (power), Deceleration (Inverse power), Fast power, Sfp

→ time perception ↓ by visual augmentation
like pulsating progress bars
ribbed " "

→ fast increasing pulses in pulsating bars and
backward decelerating in ribbed "
↳ Better performance than solid color PB

Ribbed better than pulsating
* 5 sec std. solid color bar ≡ 5.61 of Blwd R bar
* 15 { ~ 12.2% longer than actual duration
Sec " " " " ≡ 16.75 R P Bar
= 11.7% than actual duration.

avg of 11% redn in perceived time

7/6/19

→ Movement of loading bar (Animation) illusionary effect
→ Variable rate of motion affects time perception

→ time passing Conceived by users in a non linear way (∵ Non Linear bars pref)

→ "start slow and fast action @ end" better
→ Reorder processes :- slow @ start
" transparency - Deception"

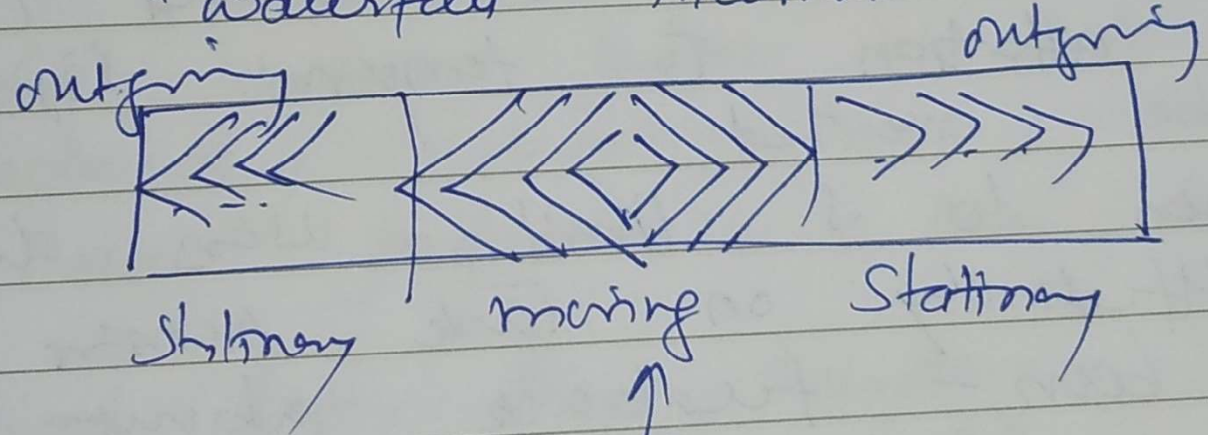
→ change Small Causes disenchantment = Watch pot effect

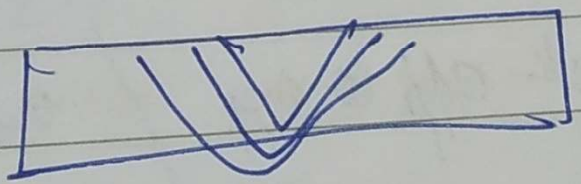
Long wait times — Continuous bar
Shorter wait duration — Numerical Representation;

→ Animations make LB 10% faster
Proposals
→ Motion after effect :-

Motion after effect :-

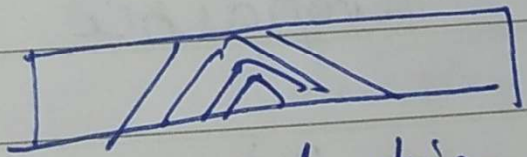
moving stimulus for a long time — fixating on stationary " = stat. stimulus moves in opp dir
result of motion adaptation
("waterfall — rocks seem 2 move ↑)
"waterfall illusion"





Downward stripes

+



upward stripes

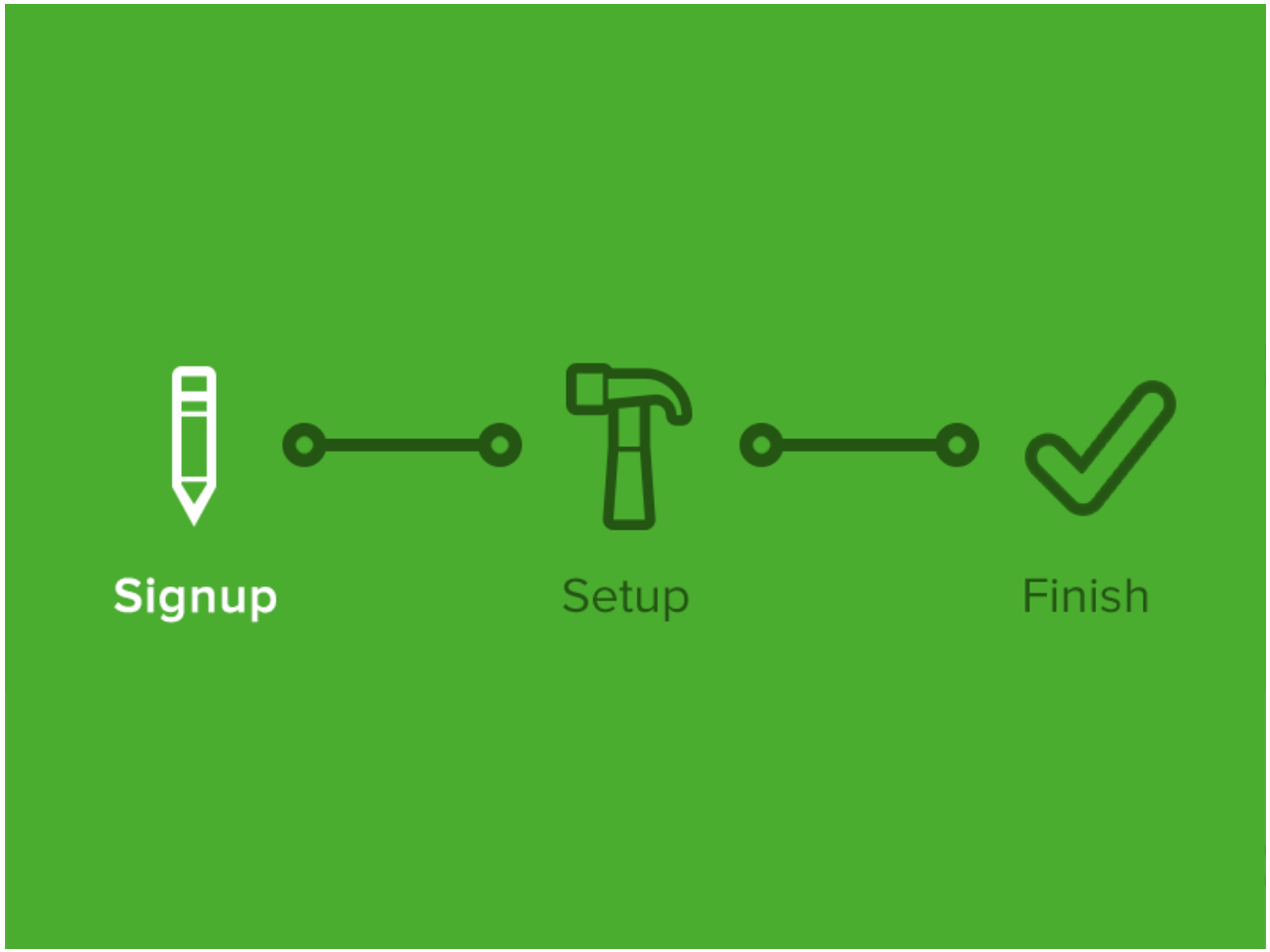
31%
Loading

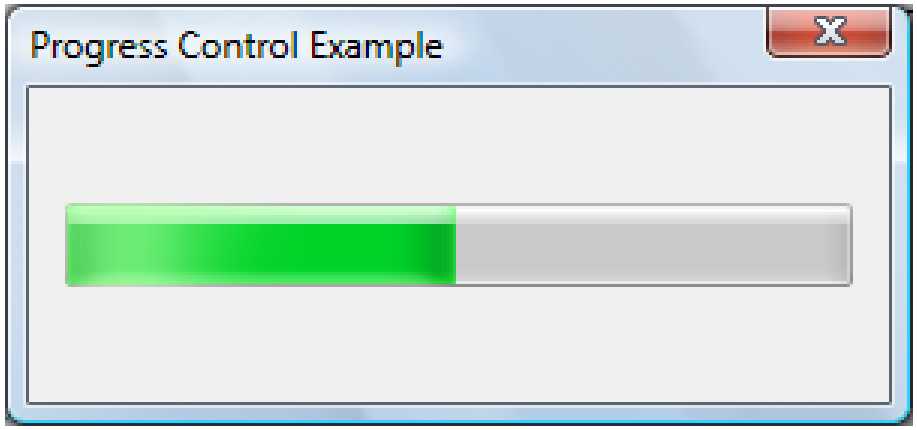
Completed 8 of 40.

Installed *Views* module.

Loading...

Please wait

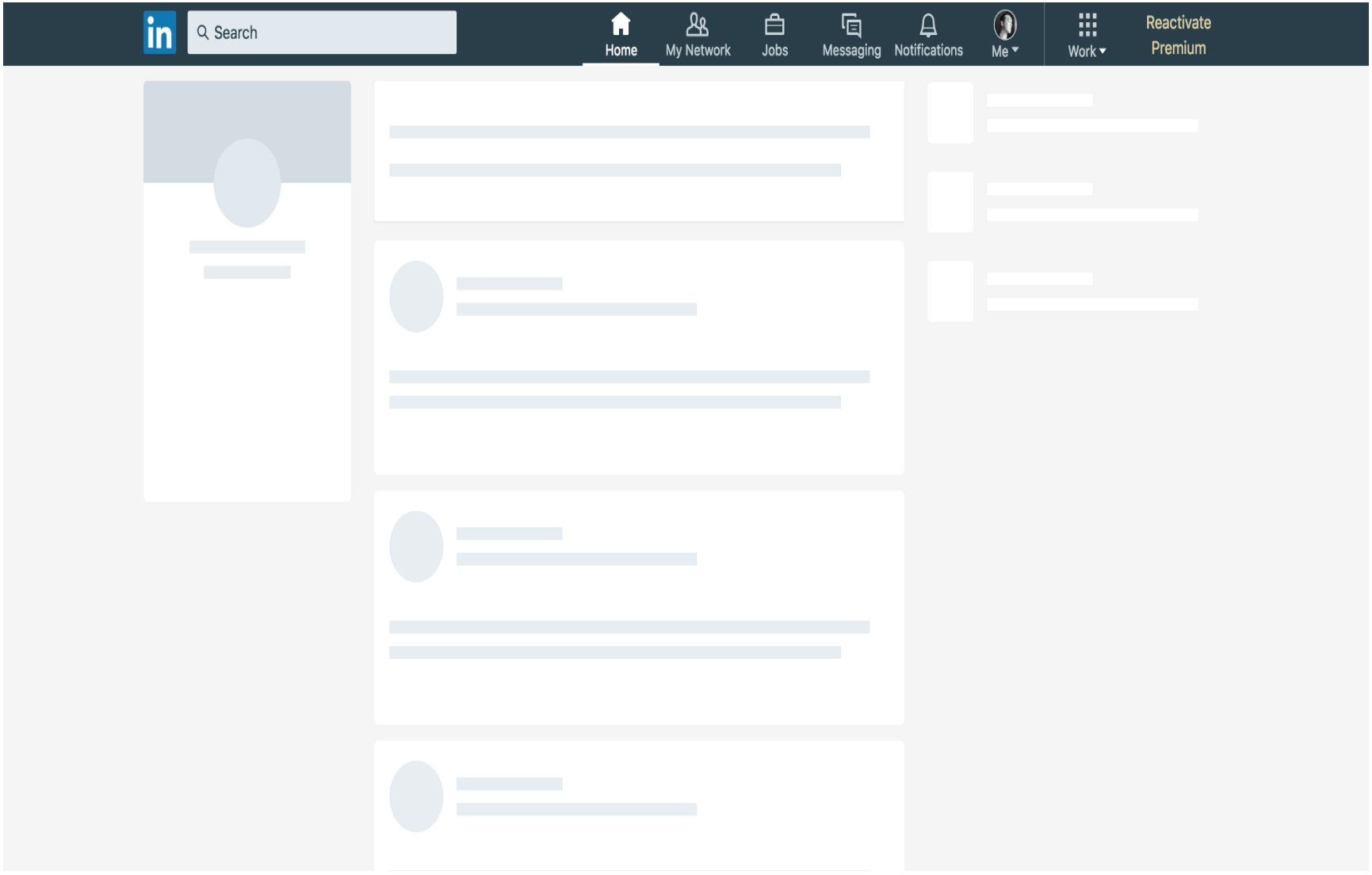

Signup
Setup
Finish



https://www.mockplus.com/blog/post/progress-bar-design

https://digitalsynopsis.com/design/loading-animations-preloader-gifs-ui-ux-effects/

https://wpamelia.com/loading-bar/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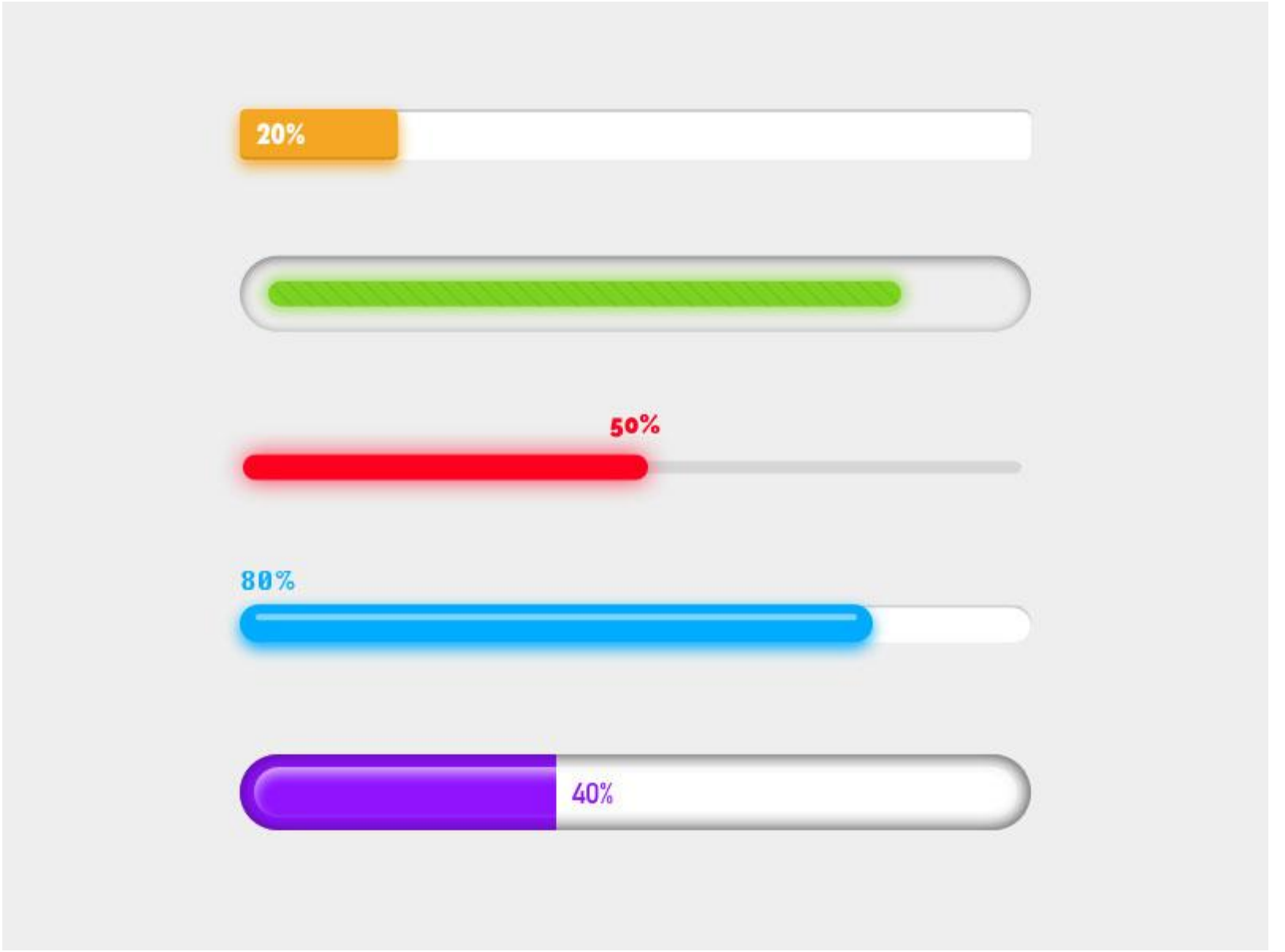
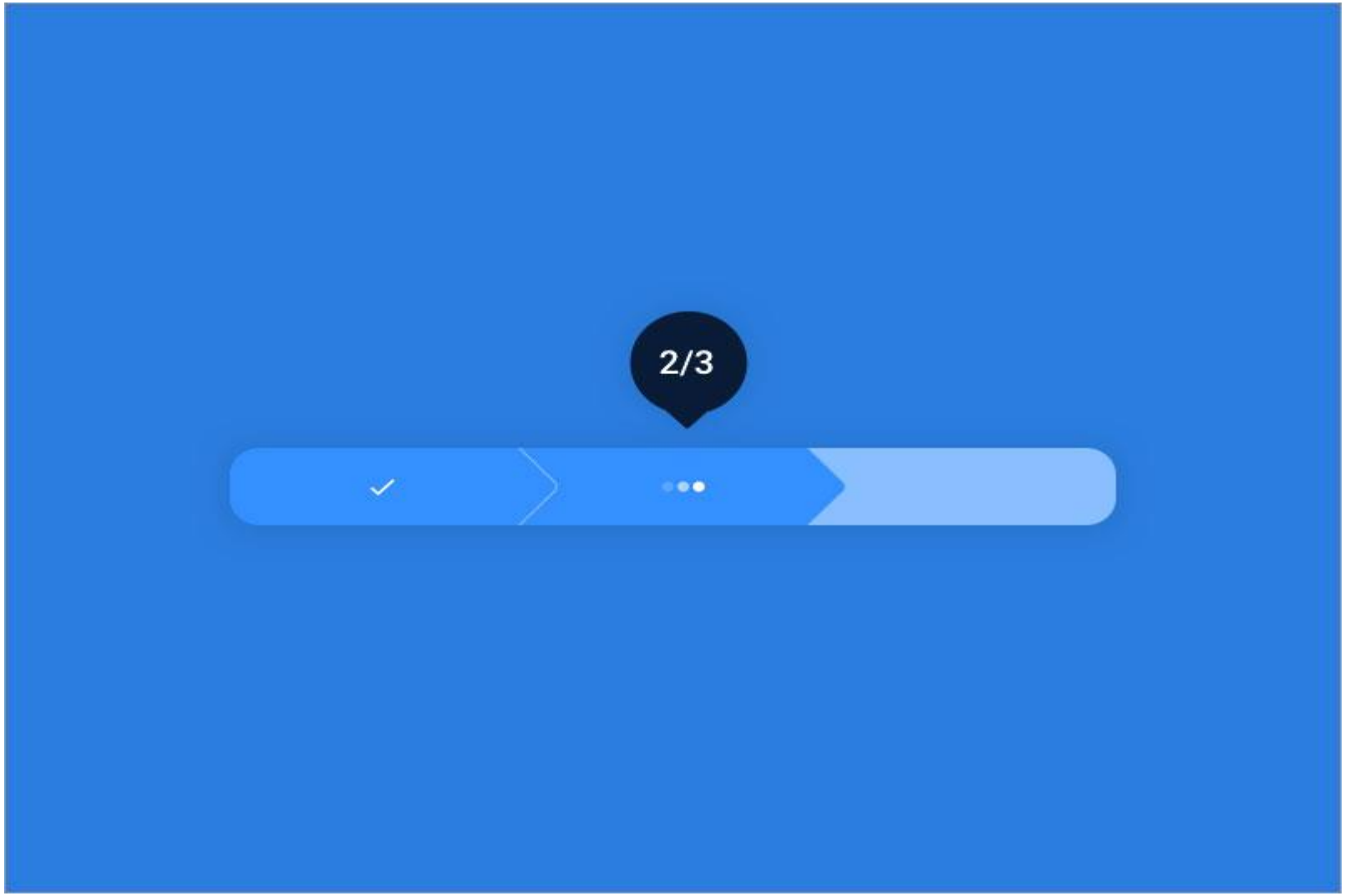
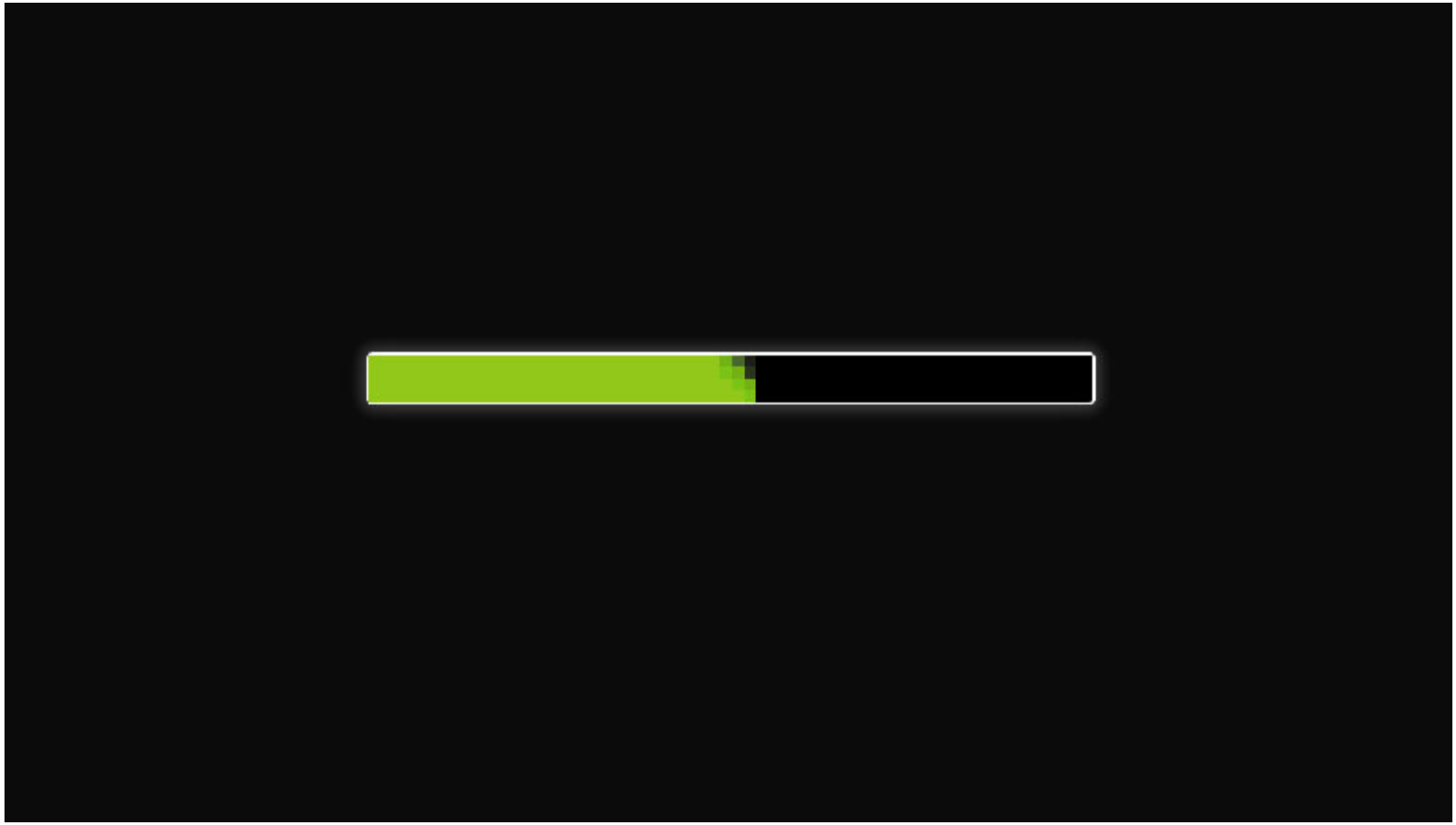

20%
50%
80%
40%


2/3