

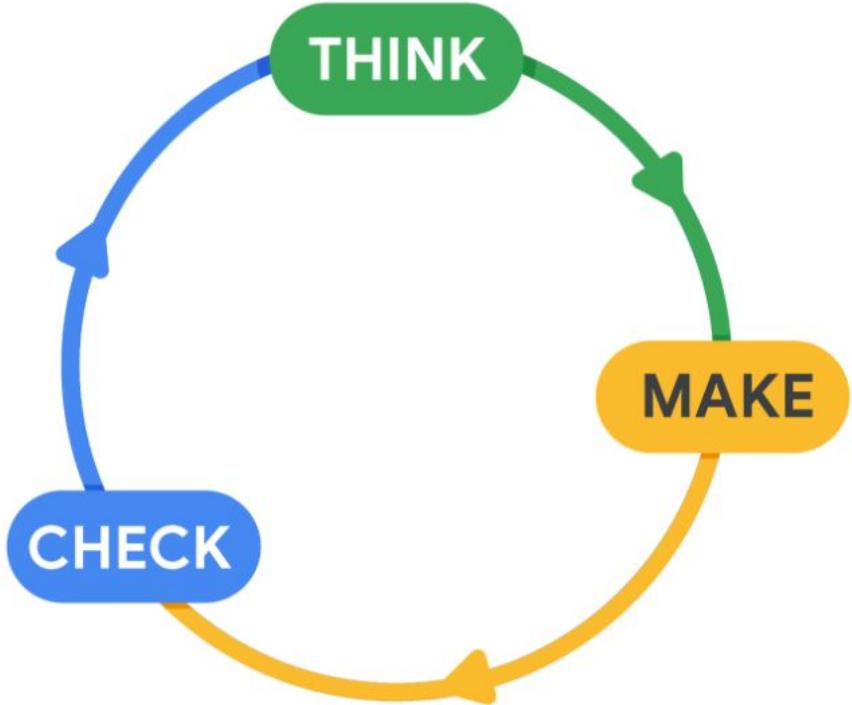
# MOBILE PROGRAMMING WITH FLUTTER - DAY5

เริ่มพัฒนาแอปพลิเคชันบนมือถือด้วย Flutter

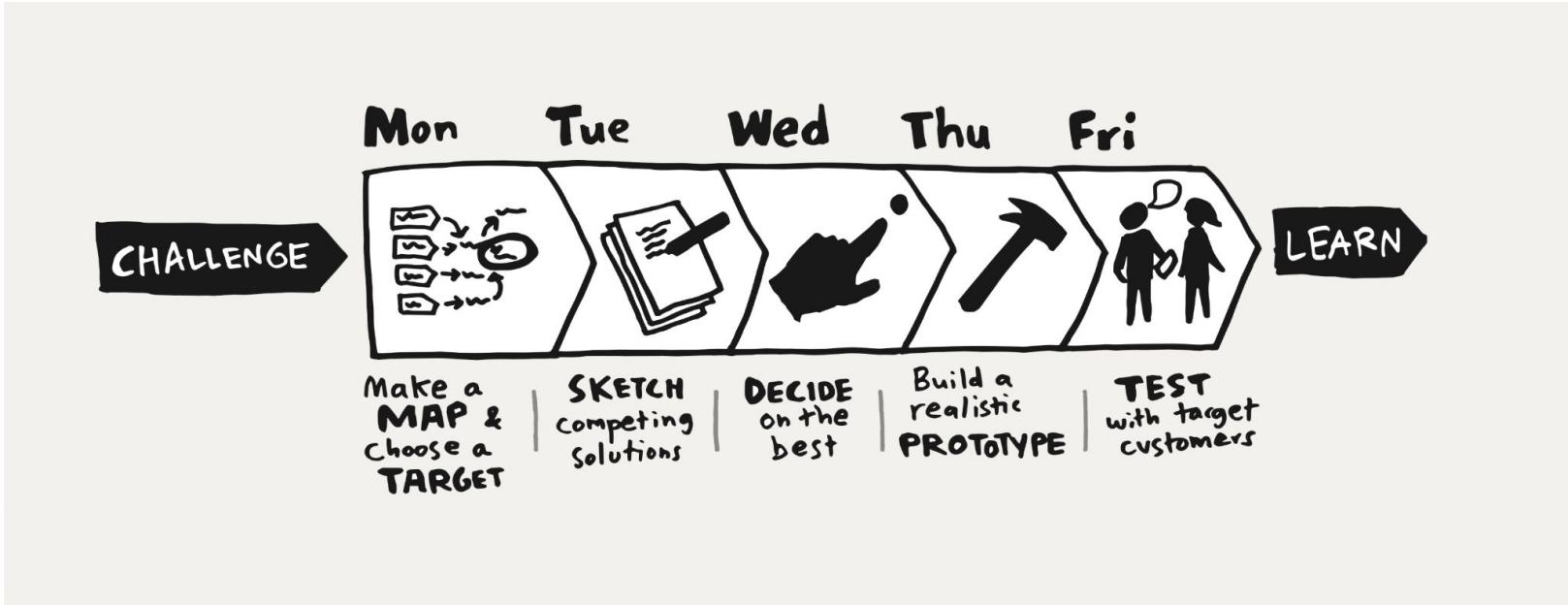
# การบ้านสำหรับเช็คชื่อรอบนี้

สร้างหน้าฟอร์ม 1 หน้า ให้ได้เหมือนกับแอปต้นฉบับที่  
นำมา พร้อมทั้งสามารถดึงข้อมูลที่ User กรอกมา<sup>1</sup>  
แสดงผลได้ในฟอร์มนั้น ๆ หรือ แสดงผลในหน้าถัดไป

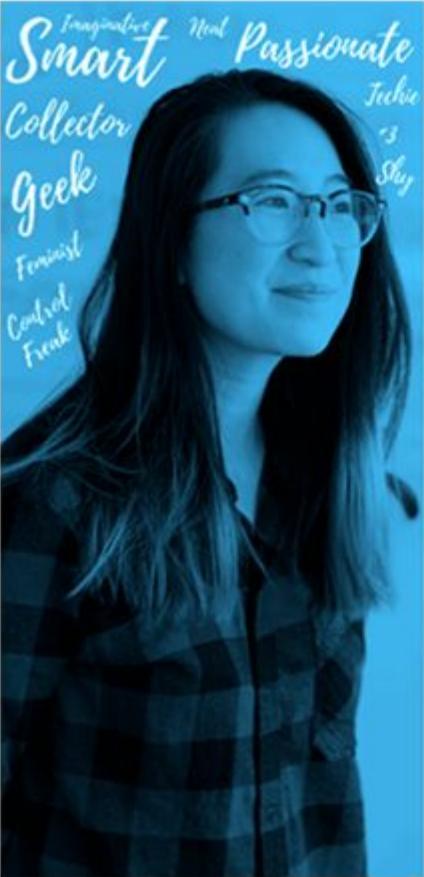
# Lean UX



# Google Design Sprint



# การสร้าง Personas



## Nerdy Nina

"The book is way better than the movie!"

#booklover

#bookaddict

#booknerdproblems

### DEMOGRAPHICS

Age: 25  
Location: São Paulo, Brazil  
Education: Software Engineer  
Job: QA at Indie Game Company  
Family: Lives with her boyfriend

### TECH

Internet  
Social Networks  
Messaging  
Games  
Online Shopping



### GOALS

- Discovering new books / authors to read
- Finding unique stories
- Cataloging book collection

### FRUSTRATIONS

- Keeping track of different series
- Forgetting a book launch date
- Finding space for more books

### READING HABITS

- Fast pace reader
- Never lends books
- Likes hardcovers and boxed collections
- Pre-order books to get them first
- Reads eBooks, but prefer physical copies
- Always finishes a book
- Loves binge reading and re-reading

### FAVORITE BOOKS



American Gods  
Neil Gaiman



Harry Potter  
J.K. Rowling



Ready Player One  
Ernest Cline

<https://ctrlmetrics.com/2018/07/30/ctrl-metrics-guide-to-ux-part-2/nerdy-nina-persona/>



**Drew**  
Influencer

**ABOUT**

- ⌚ Age 26-34
- ⌚ \$50K-75K
- ⌚ High Tech Proficiency

**EVENT ATTENDANCE ATTRIBUTES**

Frequent event go-ers (monthly), tend to be very early planners, and more likely to travel regionally or nationally for an event, tend to go to trending events only.

**EVENT INFLUENCERS**

- Friends
- Cultural
- Adventure
- Learning
- Networking
- Hype
- Credibility

**MOTIVATIONS**

Motivated to find new things to do and share them with network, having influence, being the first to know about something and getting tickets right away.

**CORE NEEDS**

Finding events on social media and being able to easily share them. Being able to see trending events that will up their klout. Also getting notifications of on-sale so they can be the first to get tickets.

**PAIN POINTS**

Finding the time to attend events and staying on budget.

**39%**  
Total Universe CTV

**12**  
Events per month

Demographic based on 40 million+ respondents from the BORTO survey conducted in May 2018. © 2018 BORTO. All rights reserved.

## Value of Persona

- รู้ว่าออกแบบอะไร เพื่อใคร – [ลดต้นทุนพัฒนา]
- รู้ความคิดและความรู้สึกผู้ใช้ - [ลดเวลาในการพัฒนา]
- รู้เป้าหมายเพื่อสร้างประสบการณ์ - [ลดภาระงาน]

# Create Persona

Do  
Research



- Demographic info
- Persona's background
- Persona's goals or pain
- Motivations and Frustration
- Behavior
- Other ingredients

The image shows a user persona card for Isabel Marques. The card is divided into several sections: NAME (Isabel Marques), TYPE (Guardian), Goals (To find a remote full-time job), Quote (My work doesn't require a physical presence. I'm doing great from home. I understand that my boss tries to give us an equal work environment, but this is unacceptable for me. At least for now.), Background (Isabel has been working remotely since the pandemic's onset, but recently the owner of the company asked all the workers to get back to the office. Isabel likes to work from home, she doesn't want to change it. That's why she's looking for another job. She's been working as a technical writer for only 3 years but does it well because she majored in English and loves to write. She worries about her not having an engineer's degree to get a Senior Writer position, many employers prefer such candidates. Isabel hasn't changed her job in the last 2 years and is nervous about the process.), Motivations (Social responsibility, More time for family and friends, Saving money, A wider range of career opportunities, Possible moving to another city without changing her job, No stressful office politics, No rush to catch a train or sit in traffic), Frustrations (Lack of personal communication, Needs to re-archive a work-life balance, Working with teammates in different time zones, Job search stress), Channels (Icons for mobile phone, tablet, laptop, Android, Windows, video, person, social media, etc.), and Browsers (Icon for Google Chrome). Yellow arrows point to the NAME, Goals, Quote, Background, Motivations, Frustrations, Channels, and Browsers sections.

NAME  
**Isabel Marques**

TYPE  
**Guardian**

Goals  
To find a remote full-time job

Quote  
My work doesn't require a physical presence. I'm doing great from home. I understand that my boss tries to give us an equal work environment, but this is unacceptable for me. At least for now.

Background  
Isabel has been working remotely since the pandemic's onset, but recently the owner of the company asked all the workers to get back to the office. Isabel likes to work from home, she doesn't want to change it. That's why she's looking for another job. She's been working as a technical writer for only 3 years but does it well because she majored in English and loves to write. She worries about her not having an engineer's degree to get a Senior Writer position, many employers prefer such candidates. Isabel hasn't changed her job in the last 2 years and is nervous about the process.

Motivations

- Social responsibility
- More time for family and friends
- Saving money
- A wider range of career opportunities
- Possible moving to another city without changing her job
- No stressful office politics
- No rush to catch a train or sit in traffic

Frustrations

- Lack of personal communication
- Needs to re-archive a work-life balance
- Working with teammates in different time zones
- Job search stress

Channels

Browsers

## Do Research

- รวบรวมข้อมูลเกี่ยวกับผู้ใช้ [เชิงปริมาณ + เชิงคุณภาพ]
- นำข้อมูลผู้ใช้กันหมุนเวียนกัน [Card Sorting]
- สร้าง Persona ของผู้ใช้ [เด็กสุดคือ 1 Persona]

## Exercise :

# 만들고 싶은 Cheap Persona



## Demographics

- 31
- Married
- College degree
- Lives in a big city

## Behaviors

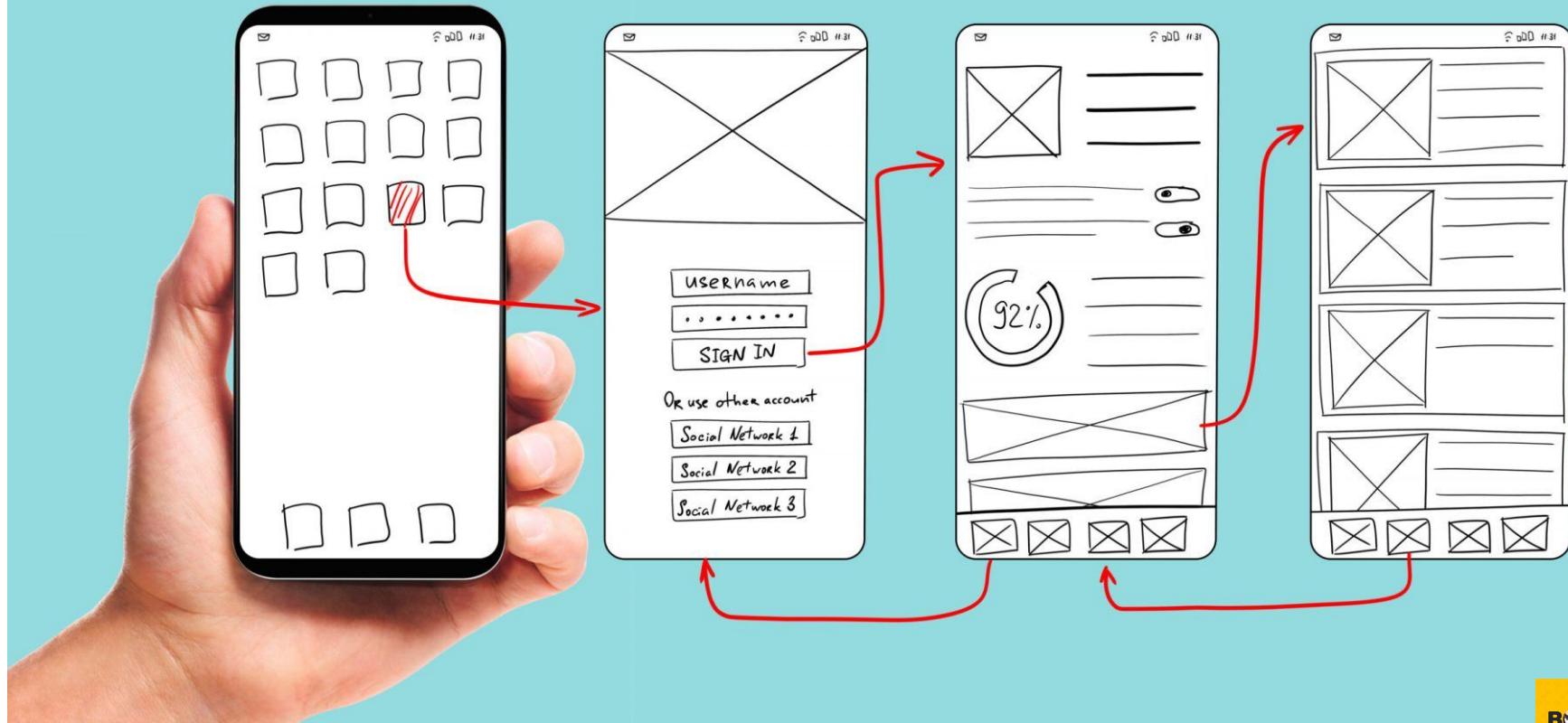
- Likes bars
- Very social
- Likes traveling
- Smart
- Hard worker

## Needs & goals

- Customers / Early-adopters
- Networking
- Modern tech tools
- Knowledge
- Funding

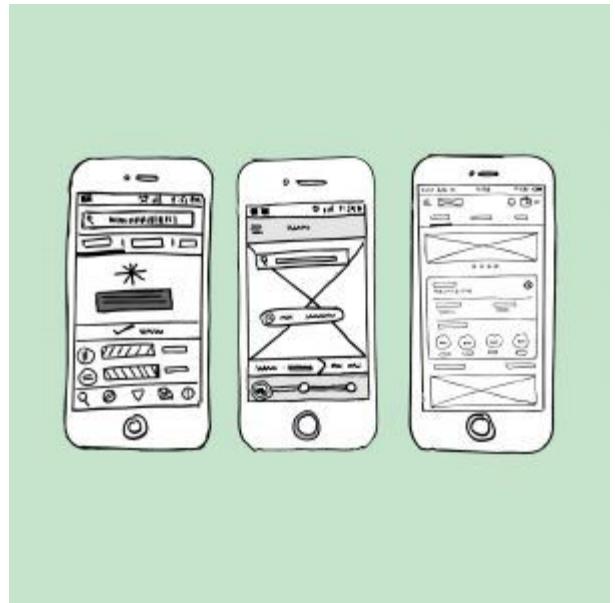
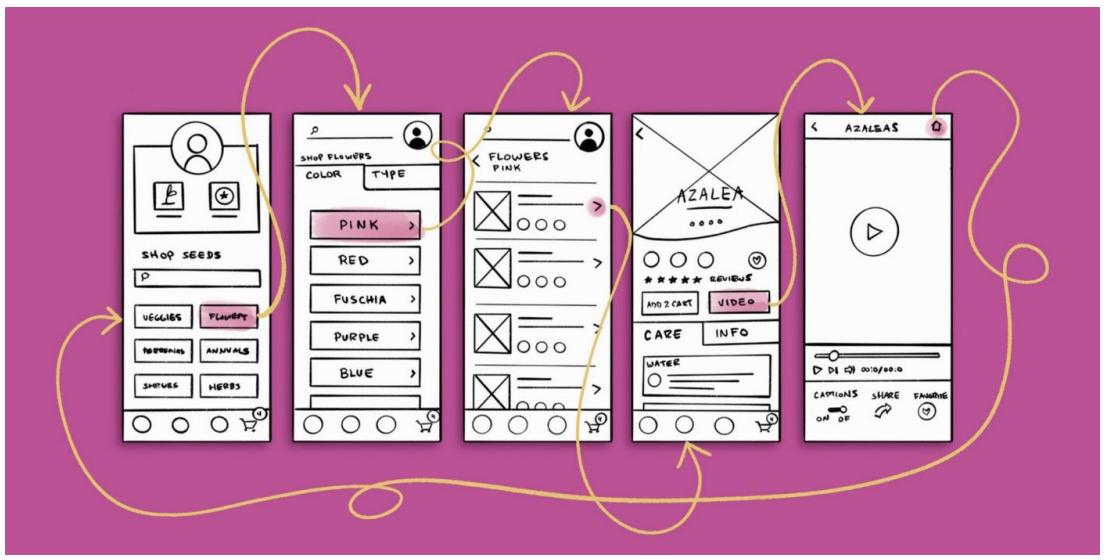
# Wireframing

Session 7 (14.00 - 14.45 u.)

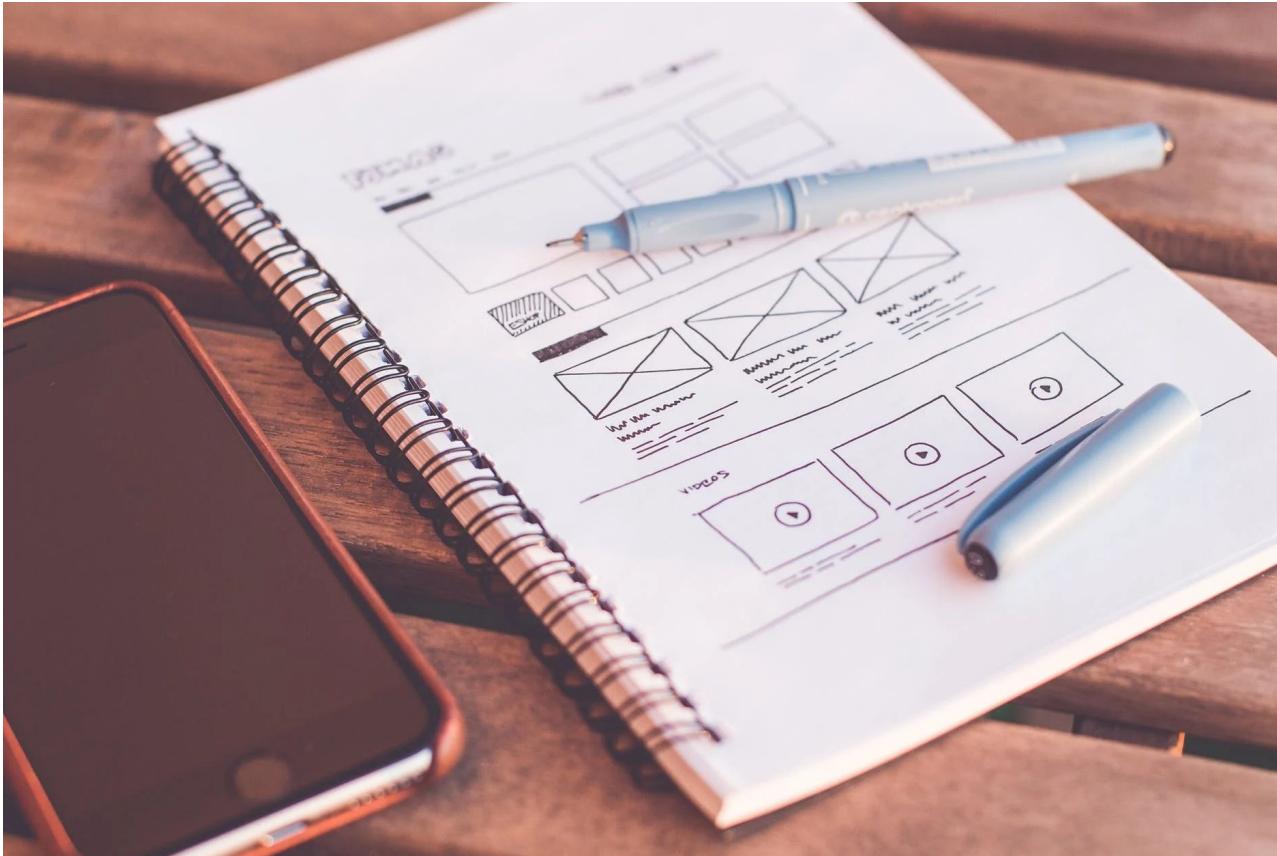


ref : <https://www.thinklions.com/startup-squared/how-to-create-a-low-fidelity-prototype-like-an-app-expert/>

# การทำ Low-fidelity Prototype ที่ไม่ต้องเป็น Designer ก็ทำได้ !!

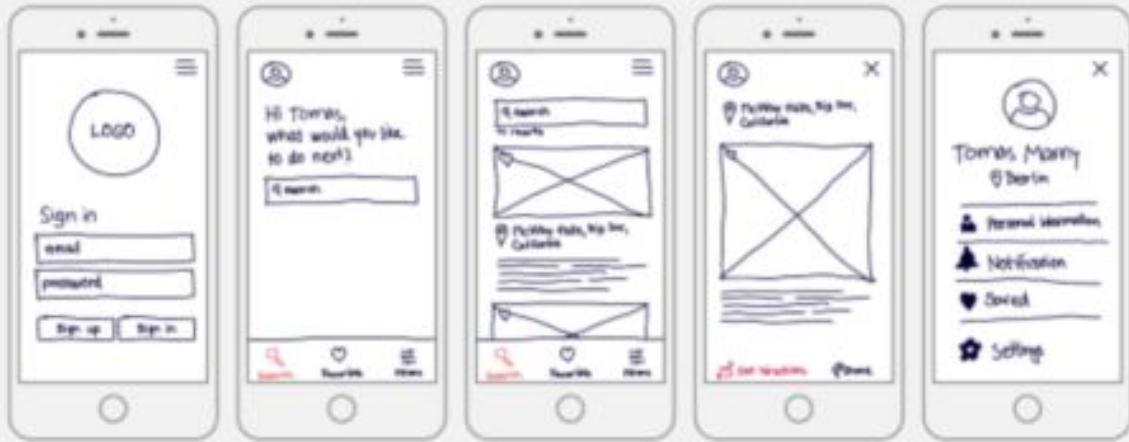


ref : <https://www.invisionapp.com/inside-design/low-fi-vs-hi-fi-prototyping/>

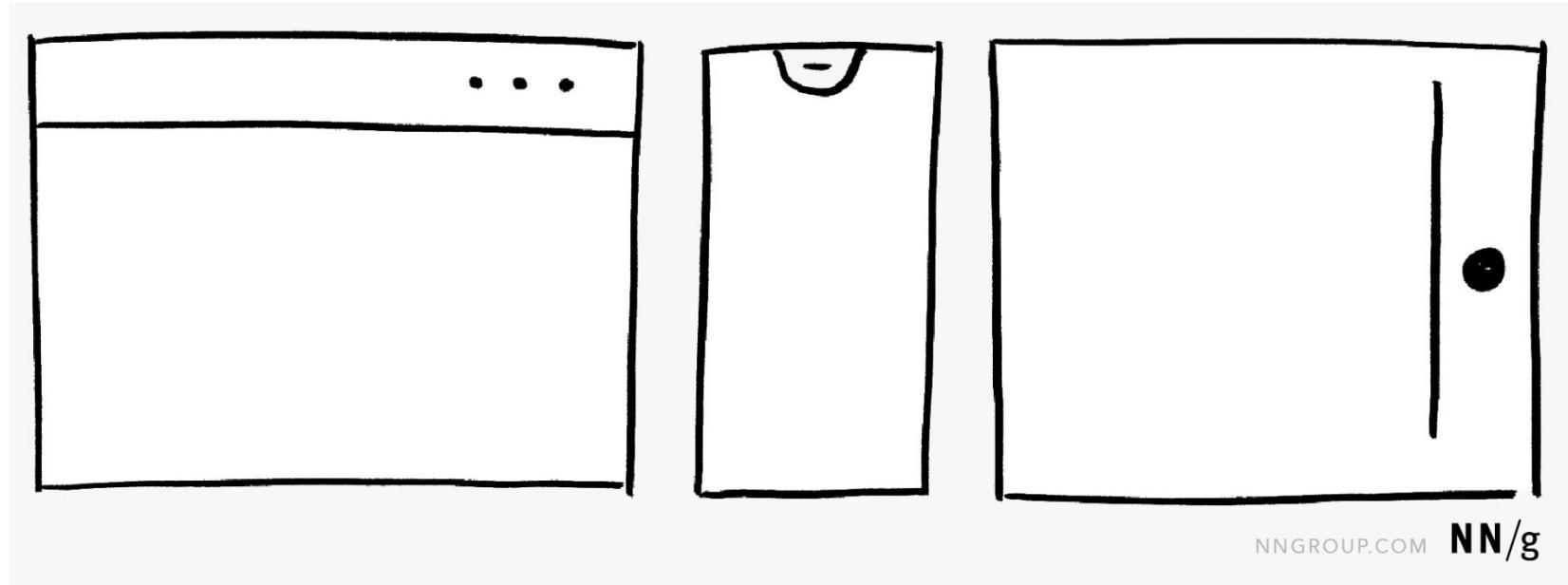


รวดเร็ว  
ประยั้ด  
เน้นความร่วมมือระหว่างทีม  
สร้างความเข้าใจตรงกัน

**อาจทำการทดสอบยาก  
เมื่อข้อจำกัดด้านปฏิสัมพันธ์จากระบบ  
(เช่น ไม่มีเอนิเมชัน กราฟิกที่ดีพอ)**



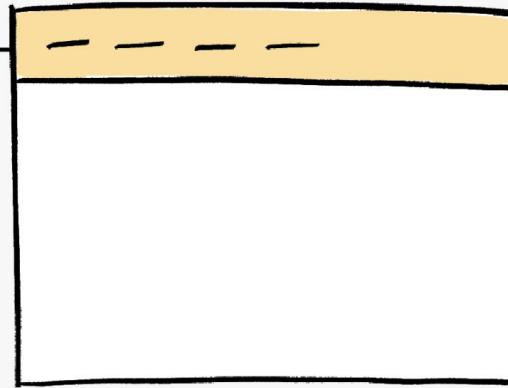
# How to Draw Wireframe



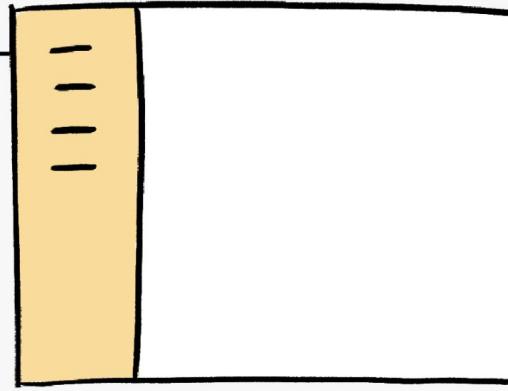
NN/g

# How to Draw Wireframe

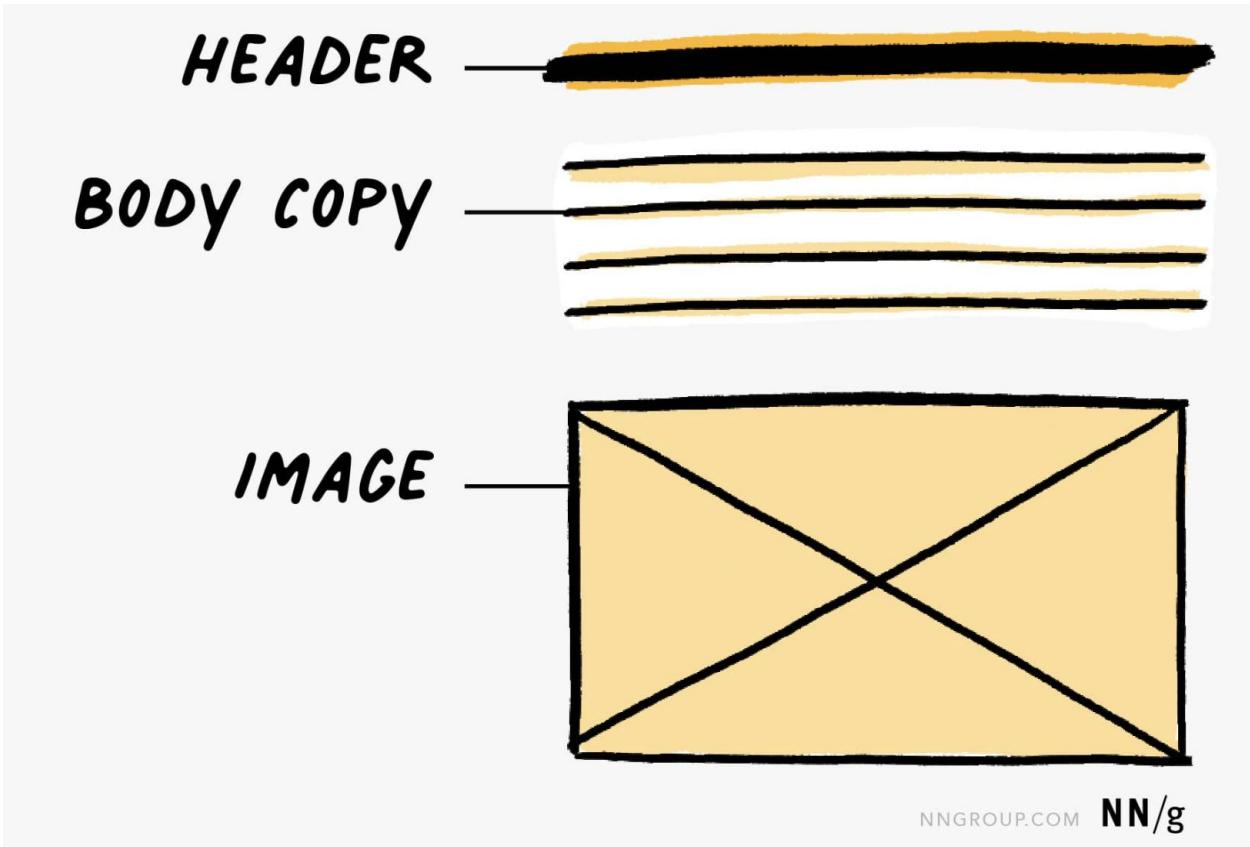
HORIZONTAL  
NAVIGATION



VERTICAL  
NAVIGATION



# How to Draw Wireframe

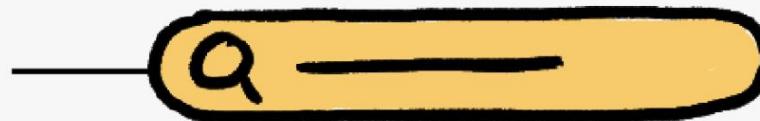


NN/g  
NNGROUP.COM

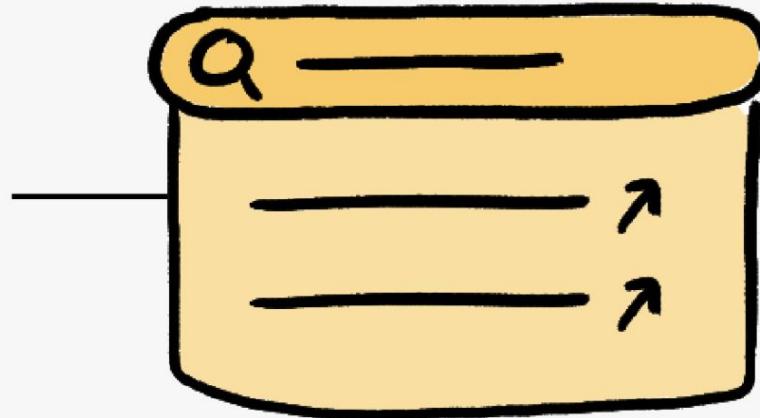
# How to Draw Wireframe

Save

**SEARCH**



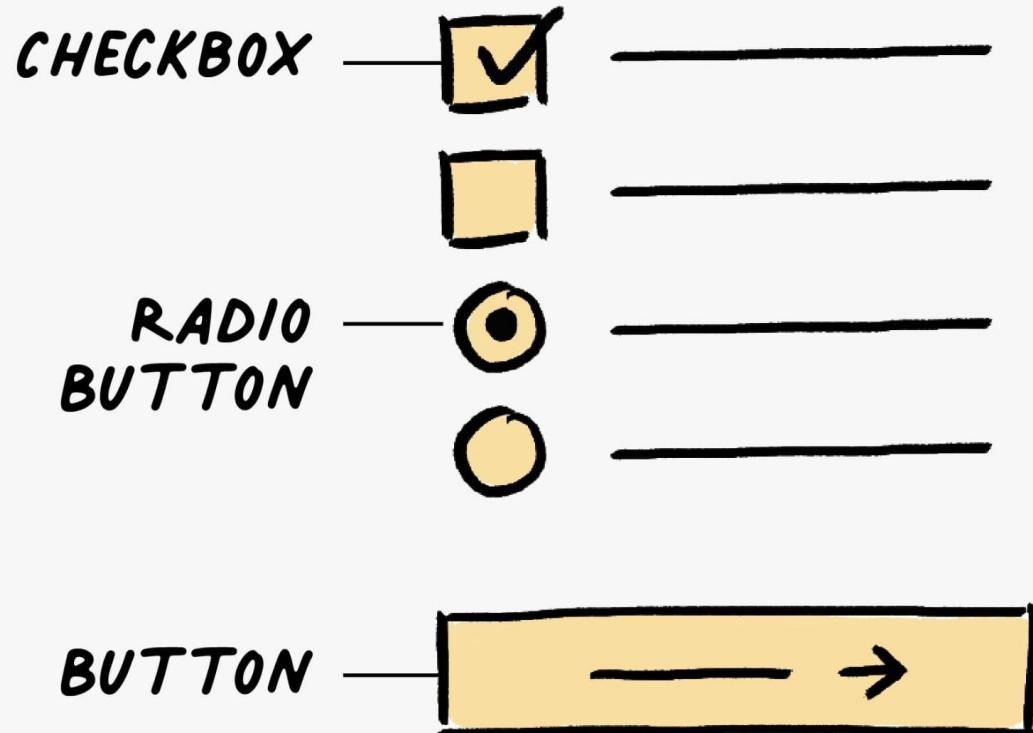
**TYPE-AHEAD  
RESULTS**



NN/g

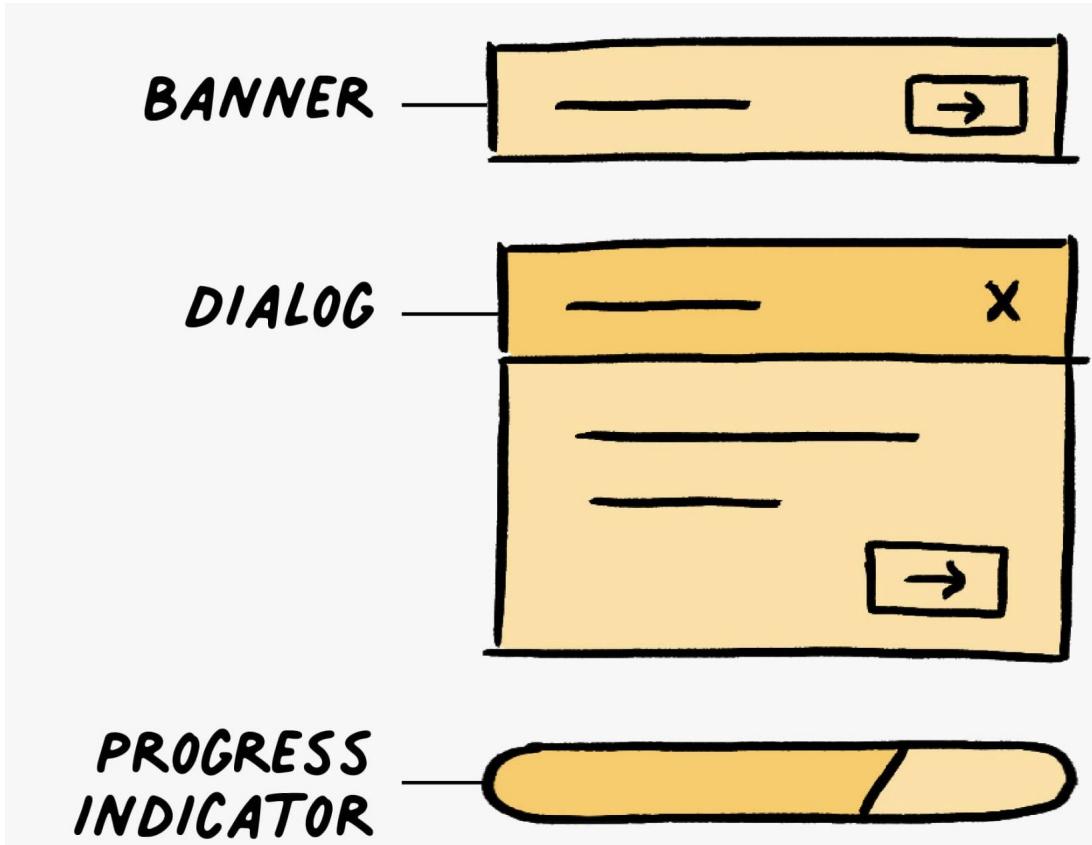
NNGROUP.COM

# How to Draw Wireframe

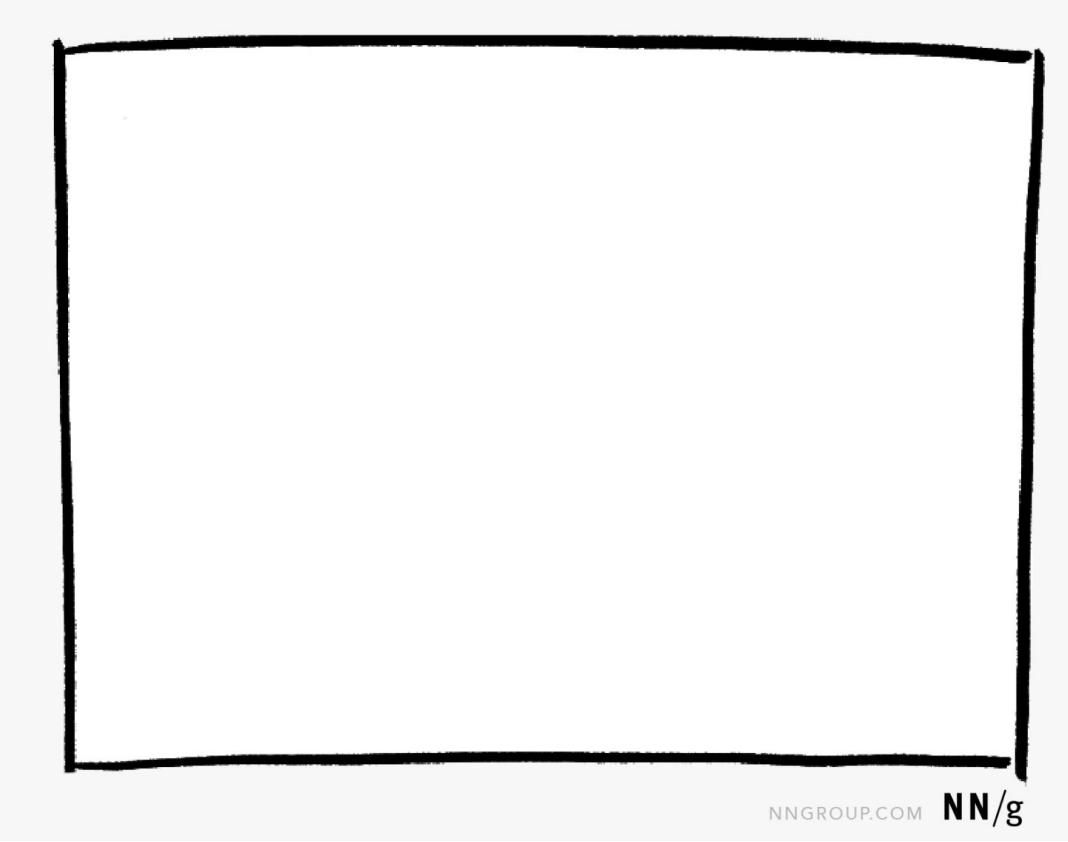


NNGROUP.COM NN/g

# How to Draw Wireframe

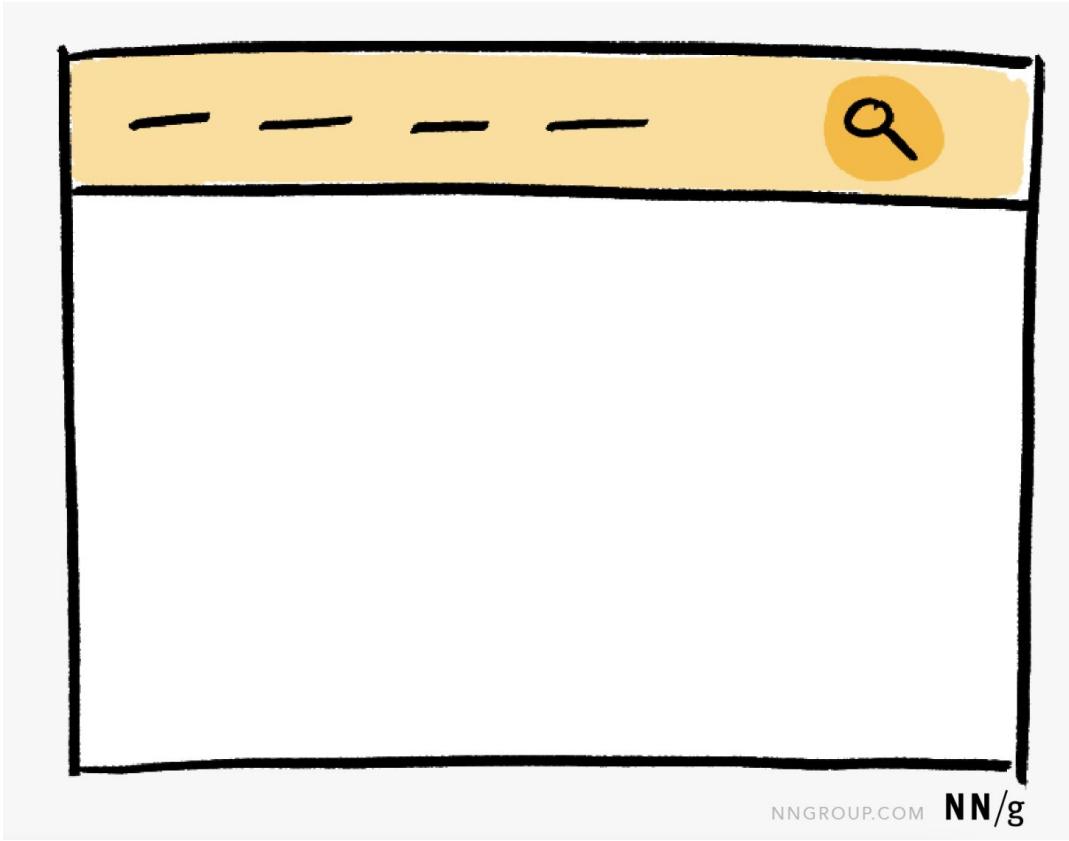


# Drawing Wireframe Step - by - Step



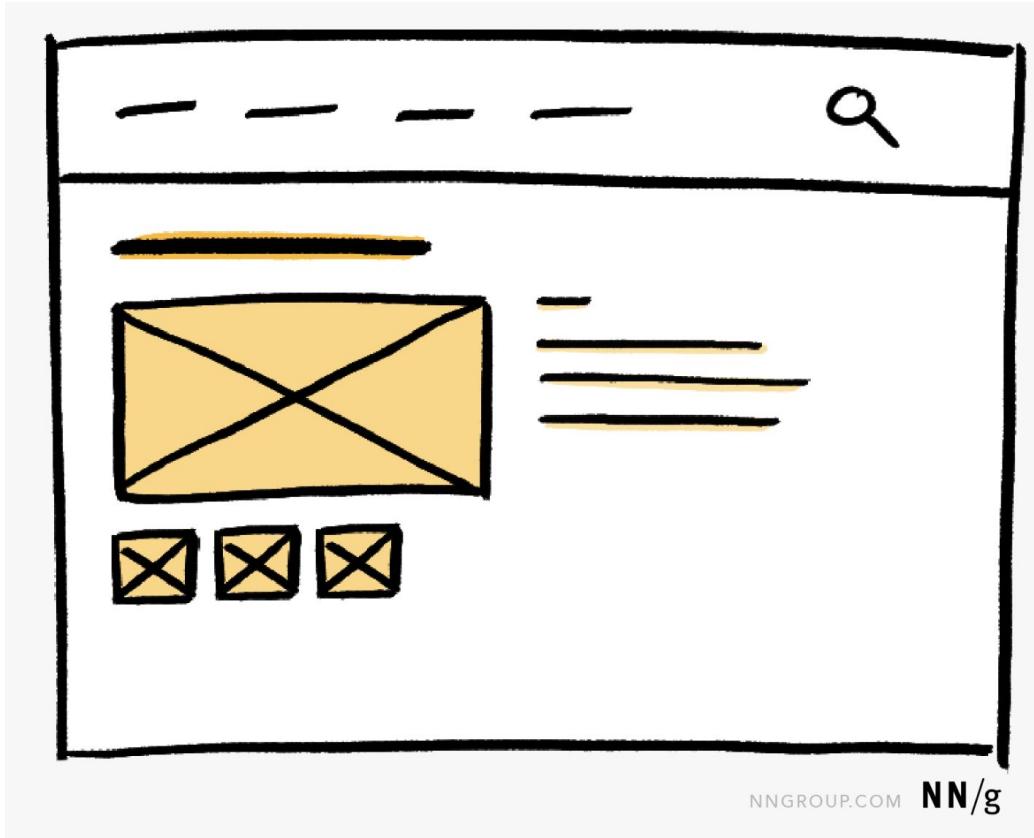
NN/g

# Drawing Wireframe Step - by - Step



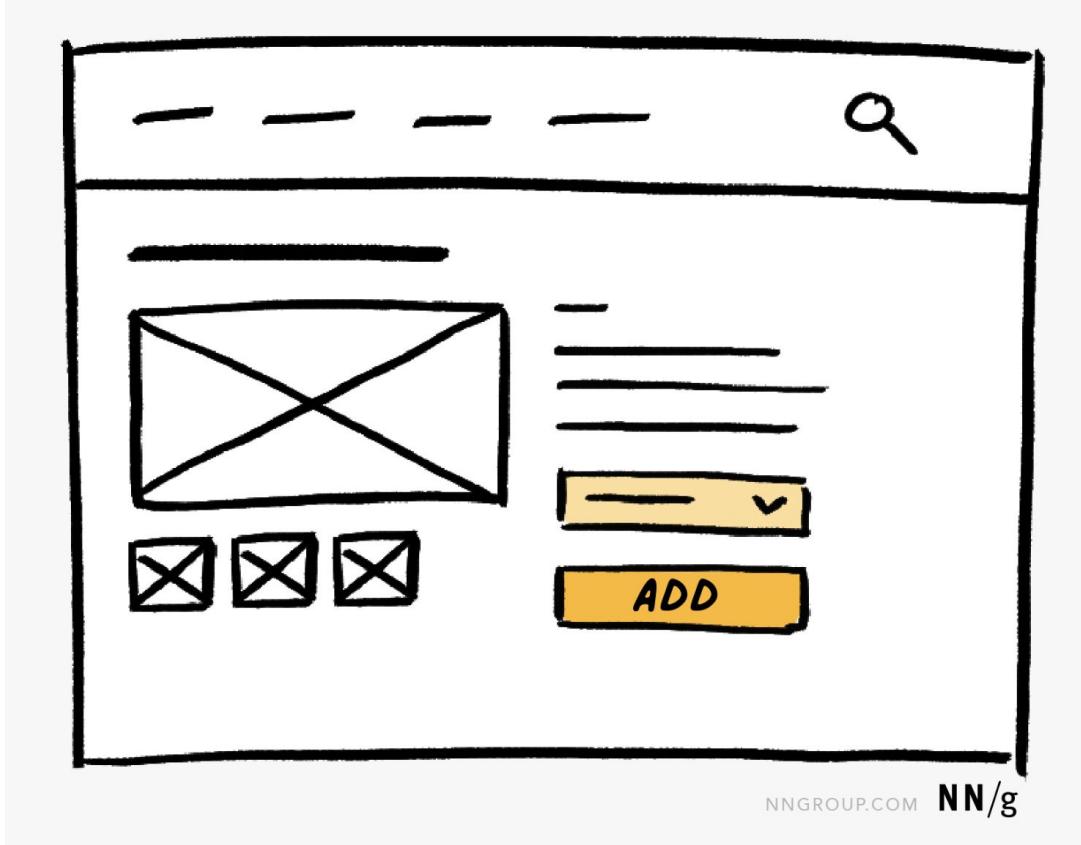
NNGROUP.COM NN/g

# Drawing Wireframe Step - by - Step



NNGROUP.COM NN/g

# Drawing Wireframe Step - by - Step



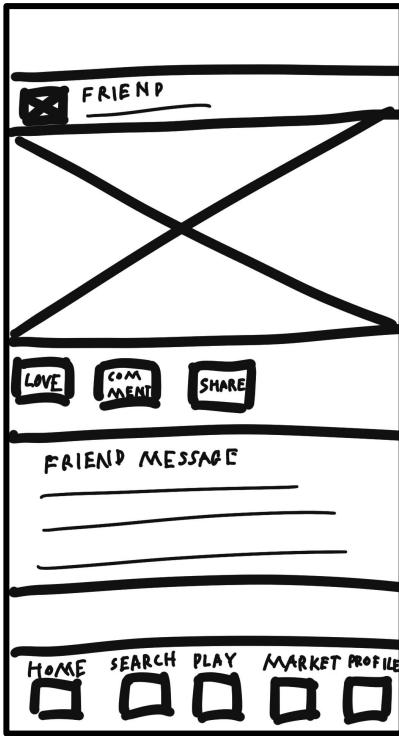
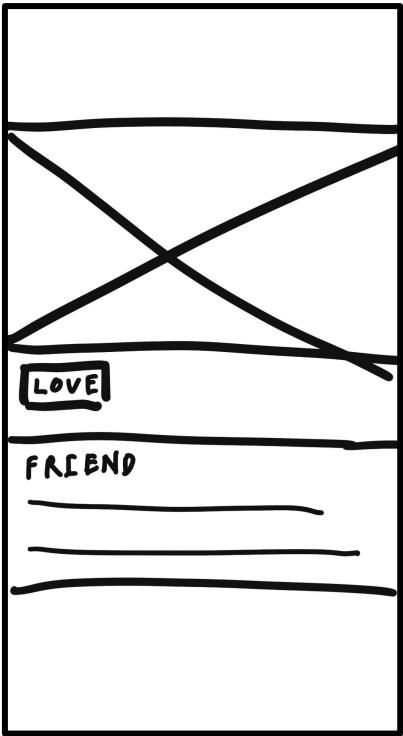


## Exercise : ทดลองวิธี Wireframe

### วิธี Wireframe โดย

- ใช้รูปทรงสี่เหลี่ยม 3 อัน
- ใช้รูปทรงสี่เหลี่ยม 20 อัน
- วัดตามจริง

# ណດລອງວາດ Wireframe ສໍາຮັບ Project



# Anatomy of Buttons

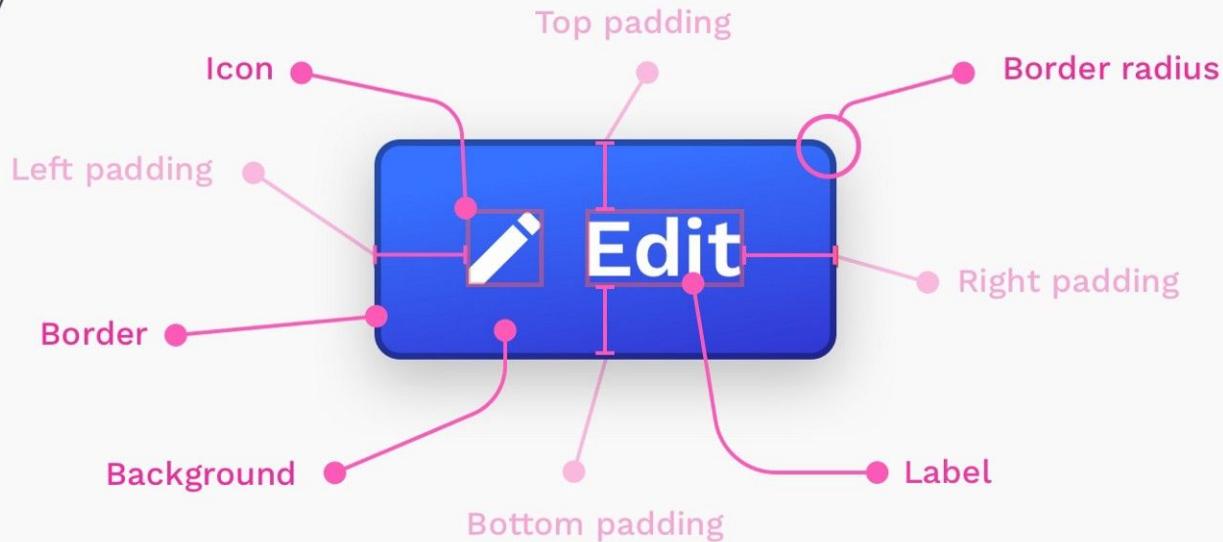
Session 12 (11.00 - 12.00 u)

# Buttons

เริ่มต้นที่ปุ่ม สำหรับรองรับการ Action จาก User

**Button**

## Anatomy

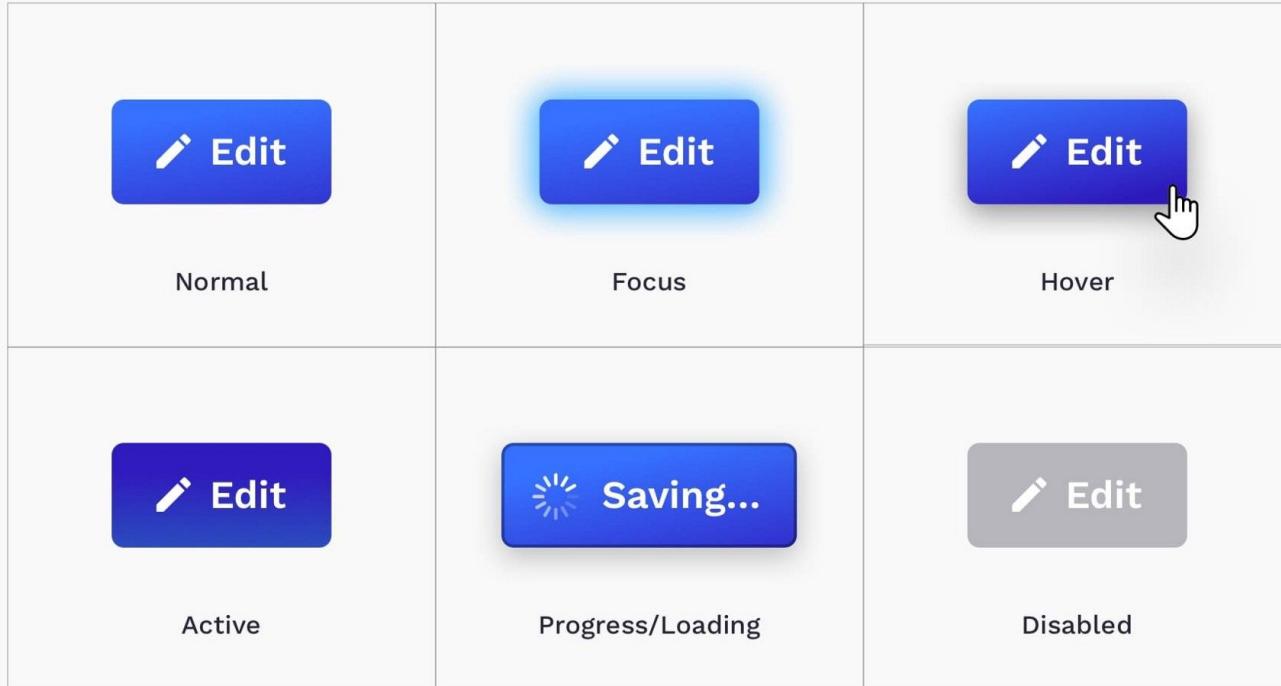


by Taras Bakusevych

ref : <https://uxdesign.cc/button-design-user-interface-components-series-85243b6736c7>

**Button**

## States



by Taras Bakusevych

ref : <https://uxdesign.cc/button-design-user-interface-components-series-85243b6736c7>

ซึ่งจริง ๆ แล้ว **State** ไม่ได้มี  
แค่ในส่วนของ **Button** เท่านั้น

แต่ยังมีอีกเพียบ ก็จะต้องรู้ก่อนออกแบบ UI

A purple rounded rectangular button with the word "ENABLED" in white capital letters.A grey rounded rectangular button with the word "DISABLED" in dark grey capital letters.

### Enabled

An enabled state communicates an interactive component or element.

### Disabled

A disabled state communicates a noninteractive component or element.



## Hover

A hover state communicates when a user has placed a cursor above an interactive element.



## Focused

A focused state communicates when a user has highlighted an element, using an input method such as a keyboard or voice.



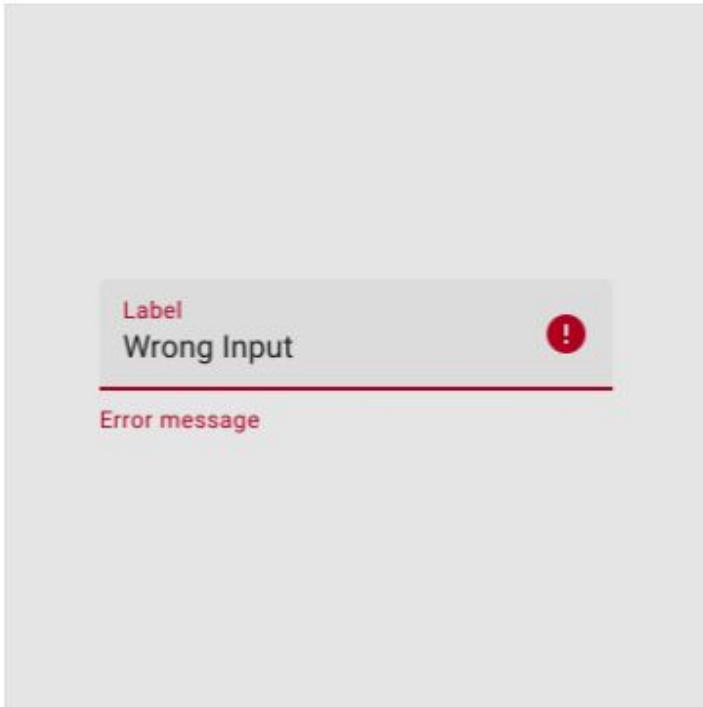
### Pressed

A pressed state communicates a user tap.



### Dragged

A dragged state communicates when a user presses and moves an element.



## Error

An error state communicates a user or system mistake.

ref : <https://material.io/design/interaction/states.html#usage>

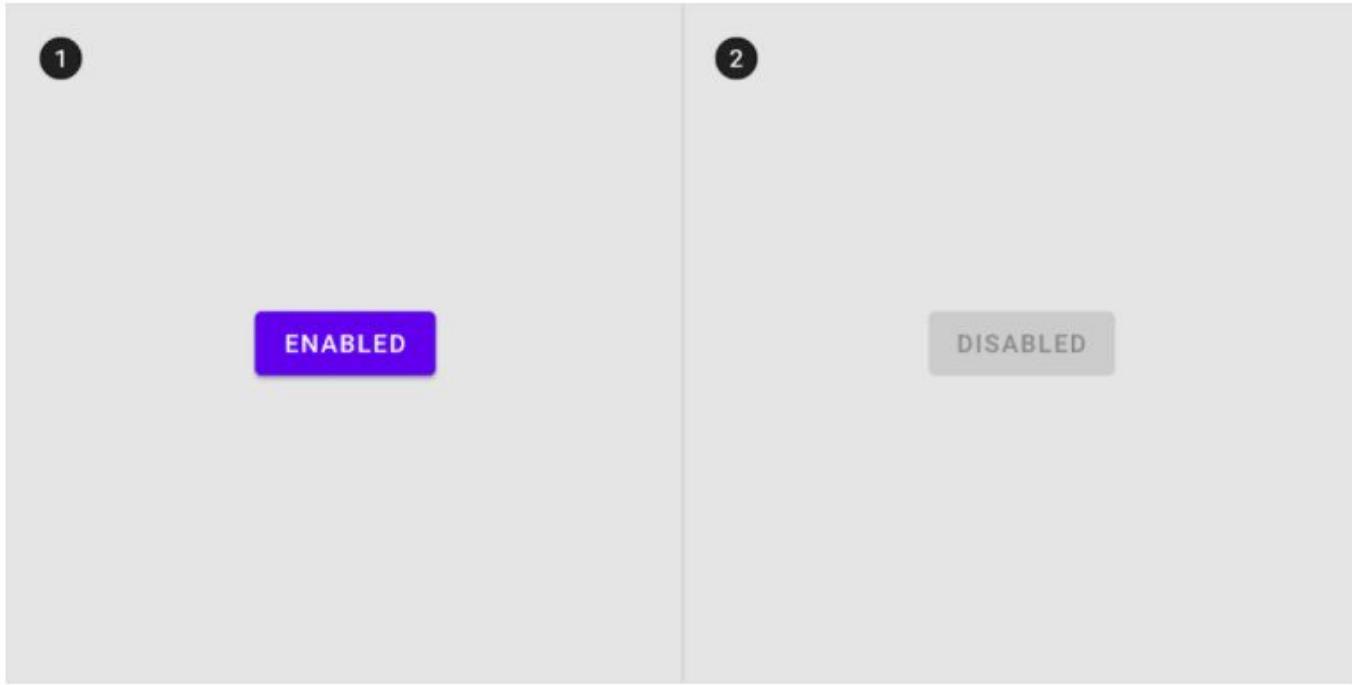
# เราจะต้องเข้าใจ Anatomy ของการออกแบบด้วย ว่าเข้าประกอบไปด้วยอะไรบ้าง ?

# เราจะต้องเข้าใจ Anatomy ว่าแต่ละการออกแบบ **อาจไม่เหมือนกัน**

iOS บุลัง Android ก็อาจมีส่วนเหมือน และ แตกต่างกัน  
ขึ้นกับ Guideline ของแต่ละ Platform / OS

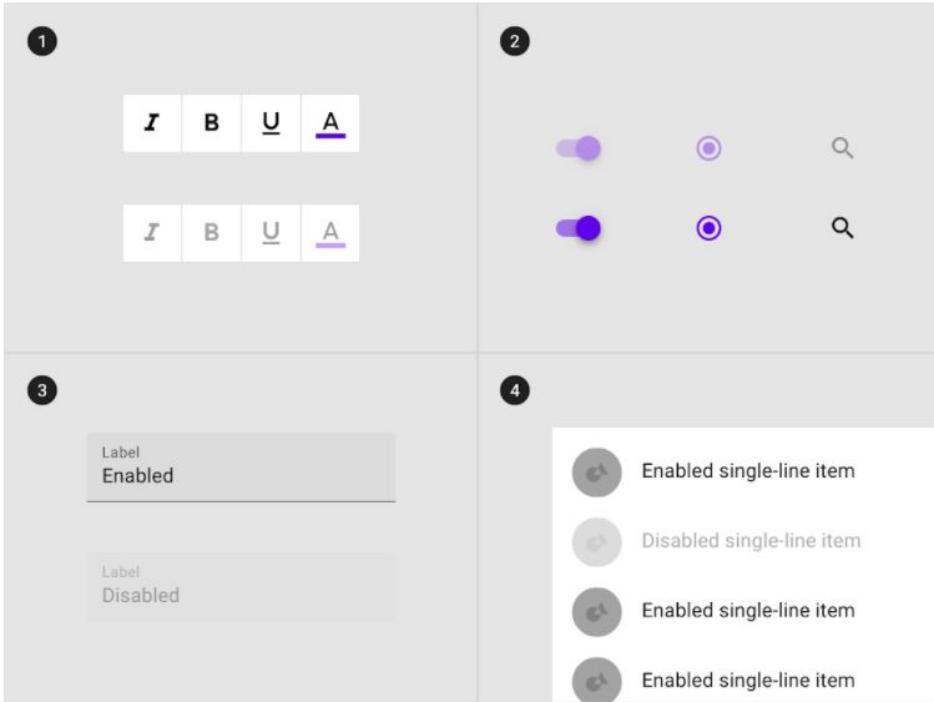
# State ของการ Disabled

ปิดกั้นในสิ่งที่ผู้ใช้งานไม่สามารถทำได้  
มีเรื่องอะไรบ้างที่เราต้องกราบ ?



(1) Enabled and (2) disabled buttons differentiate through color and elevation changes.

แค่มองด้วยตาเปล่าเราก็รู้แล้ว



(1) Toggle buttons, (2) selection controls, (3) text fields and a (4) list item inheriting a disabled state.

ไม่ใช่แค่ปุ่มนะ ! แต่ Component อีก ๑ ก็สามารถสืบทอด State การ Disabled ได้

The image shows a mobile application interface. On the left, a vertical list of notifications is displayed:

1. Brunch this weekend?  
Ali Connors — I'll be in your neighbor...
2. Summer BBQ  
to Alex, Scott, Jennifer — Wish I could.
3. Oui Oui  
Sandra Adams — Do you have Paris re...
4. Birthday Gift  
Trevor Hansen — Have any ideas abou...
5. Recipe to try  
Britta Holt — We should eat this: grate...
6. Giants game  
David Park — Any interest in seeing...
7. That track!  
Charlie Z. — +  
ng we heard over...

On the right, there is a sidebar with the following options:

2. Share (with a share icon)
- Upload (with a cloud icon)
- Copy (with a copy icon)
- Print this page (with a printer icon)

At the bottom, there is a search bar labeled "Inbox" with a magnifying glass icon. Below the search bar, the text "Today" is followed by a notification from Ali Connors: "Brunch this weekend? Ali Connors — I'll be in your neighbor..."

รู้ใหม่ อะไรก็เหมือนจะ Common Sense  
มันไม่ได้หมายความว่า Common Sense เสมอไป

# Disabled และ Behavior

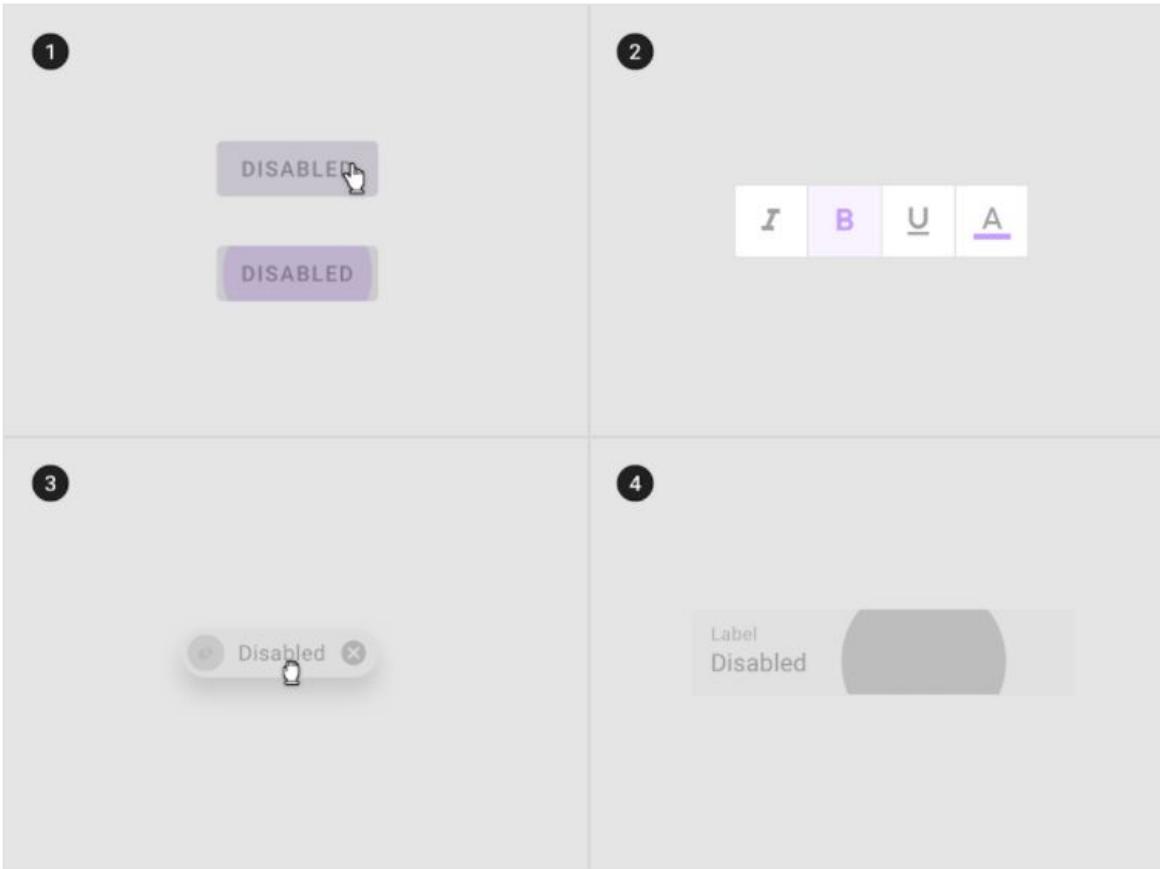
พฤติกรรมการใช้งาน และ การเปลี่ยนแปลงไปของ State



Disabled components can be hovered over, but won't display state changes to the component or cursor.

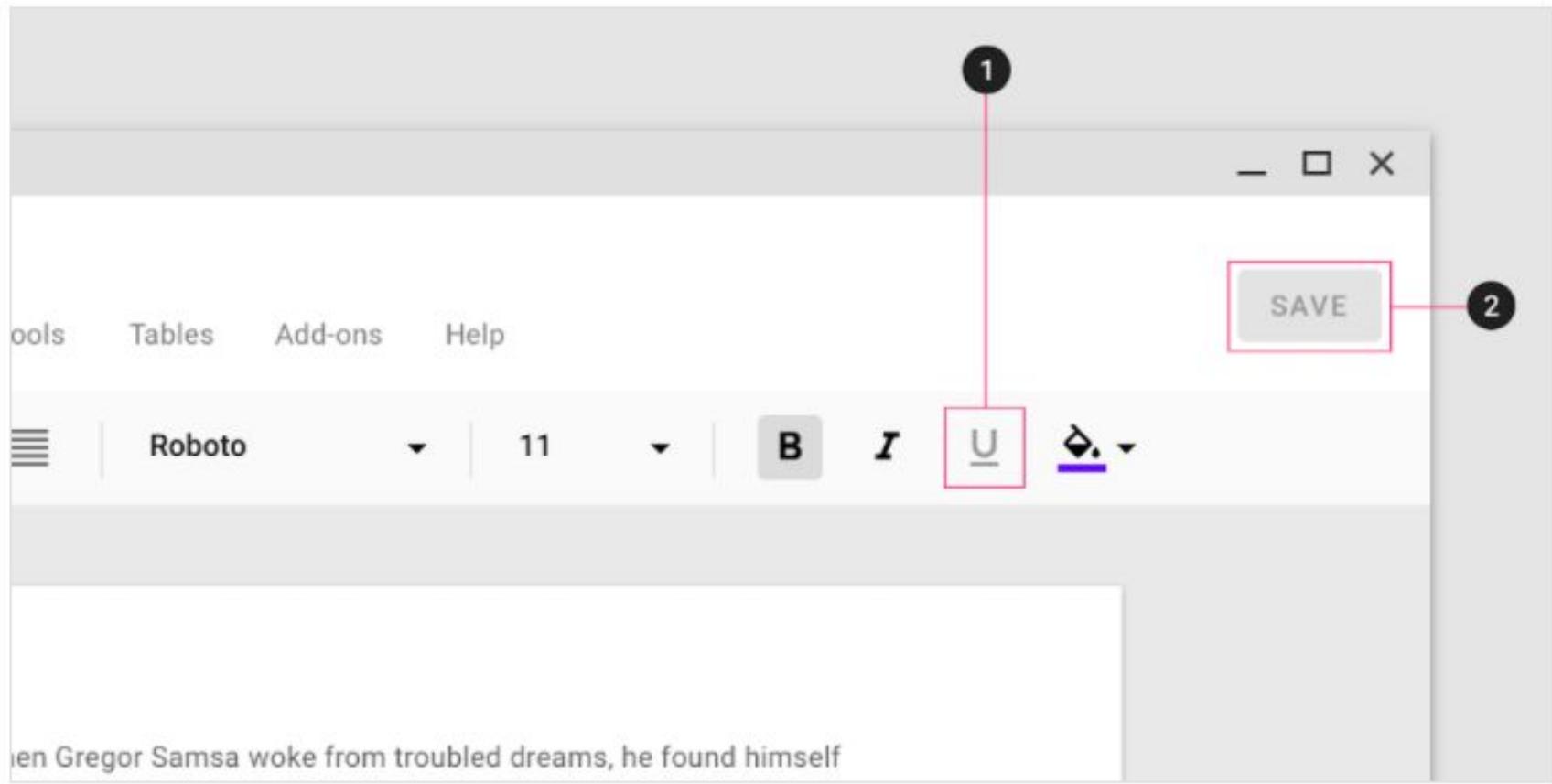


Disabled components don't change state when tapped.



Don't

Disabled components cannot be (1) hovered, (2) focused, (3) dragged or (4) pressed.

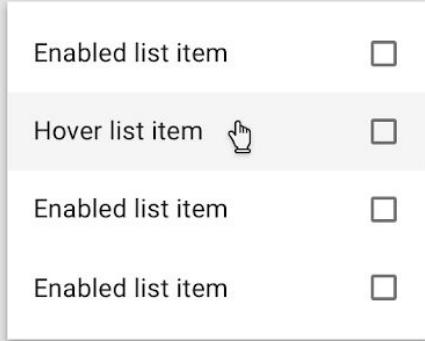


(1) Disabled toggle button, (2) Disabled button in one layout

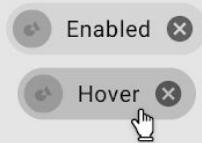
# State และ การ Hover

เมื่อเอา Cursor ไปชี้กับ Component  
จะต้องมีอะไรบ้างที่เราต้องรู้ ?

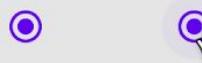
1



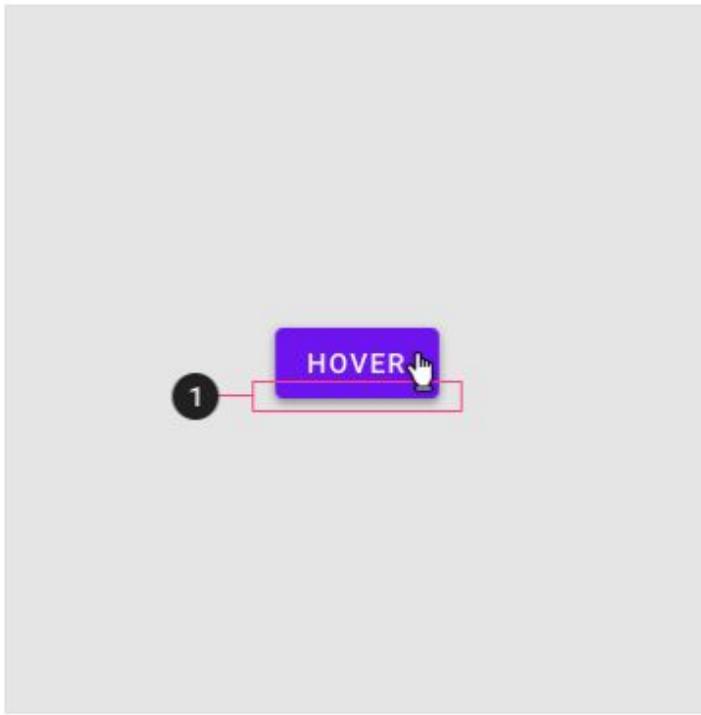
2



3



Overlay applied to  
(1) certain elements in a component  
(2) the component as a whole, or  
(3) in circular form.



Some components, such as buttons or cards, can inherit (1) elevation to signify a hover state.

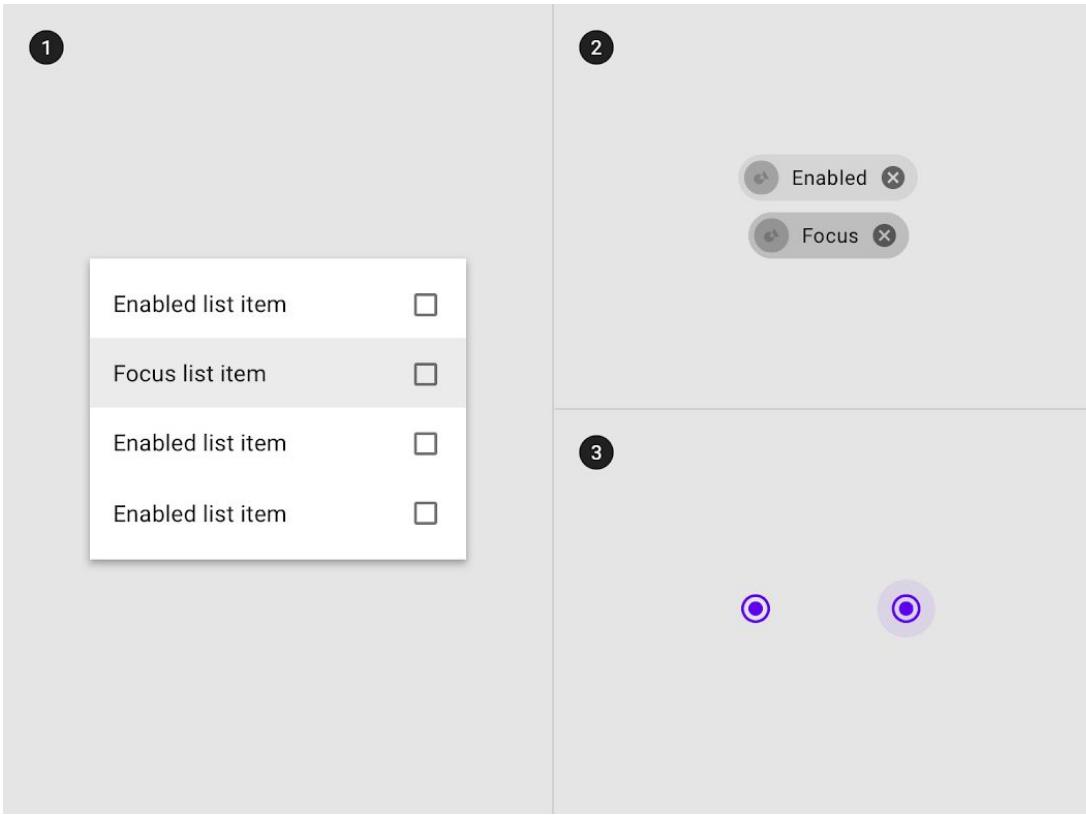
ref : <https://material.io/design/interaction/states.html#usage>

Row data 1	1,059
Row data 2 hover	 
Row data 3	2,177
Row data 4	2,789
Row data 5	3,024
Row data 6	3,458

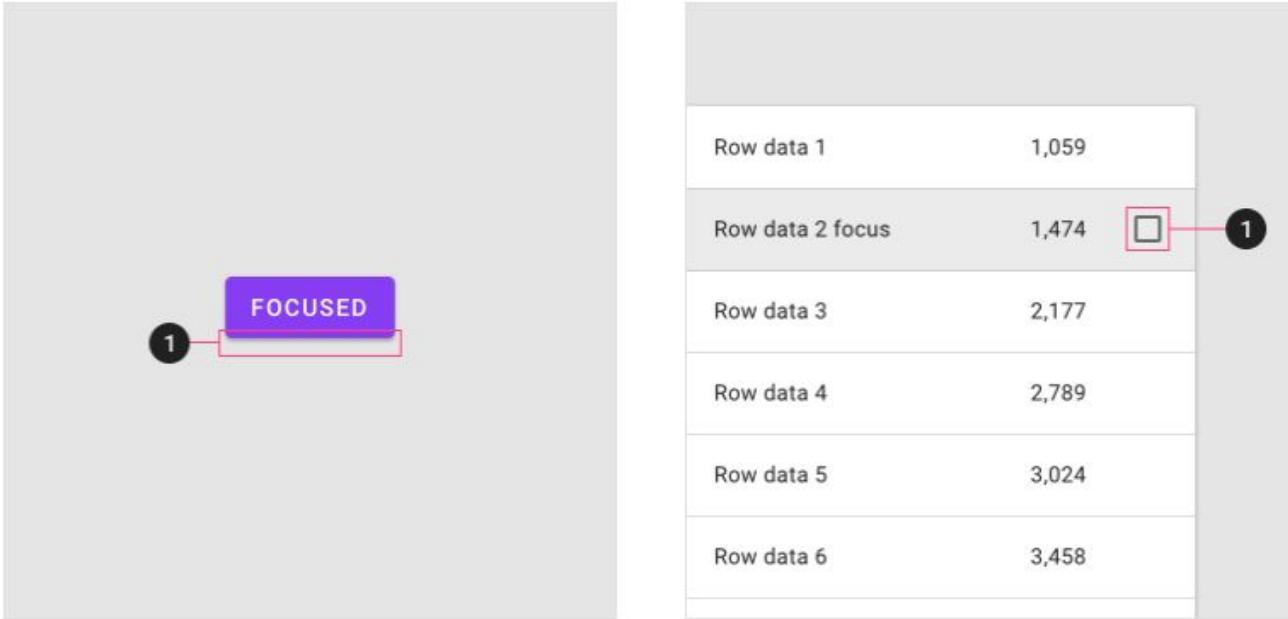
(1) Additional controls can appear on hover.

# State และ การ Focus

รู้ไหม .. Focus เมันคืออะไรกันแน่ .. ?



# การแสดง Focus เป็นอย่างตื้น

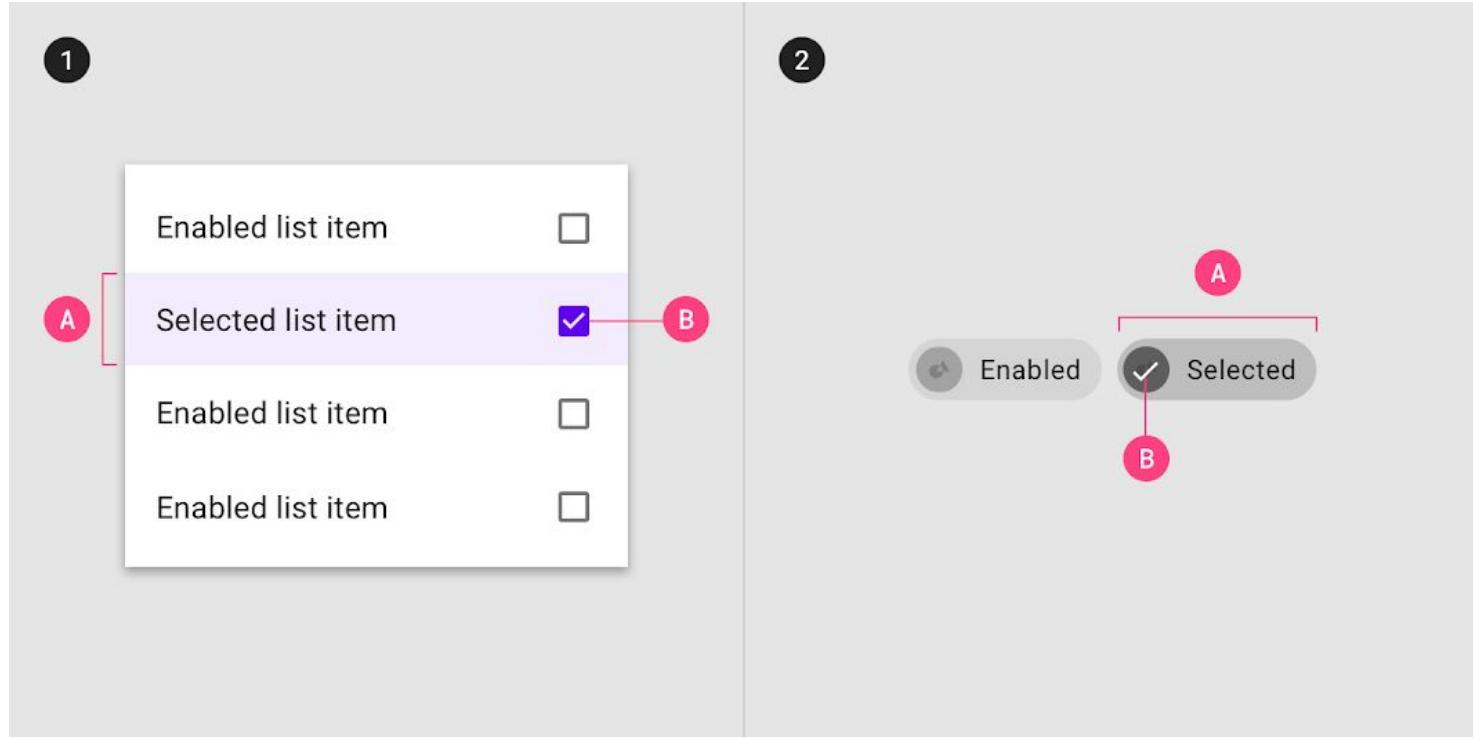


การ Focus อาจมี Overlay หรือ Controls บางอย่างที่แสดงออกมากเมื่อ Focus ก็ได้เช่นกัน

# State และ การ Selected

เมื่อเราเลือกอะไรบางอย่าง จำเป็นต้องมี State ที่เปลี่ยน

เพื่อให้ผู้ใช้งานรู้ว่า เขาได้กดมันไปแล้ว



โดยปกติแล้วเรามักจะต้องทำทั้ง Overlay และ Icon ในการบอกว่าเราได้เลือกไว้แล้ว

แล้วจะไรบ้าง .. ที่เราไม่ควรทำ  
เมื่อออกแบบ “การ Selected”

Don't

1

✓ SELECTED

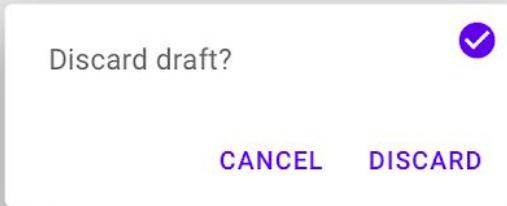
2

✓ Label  
Input

3



4



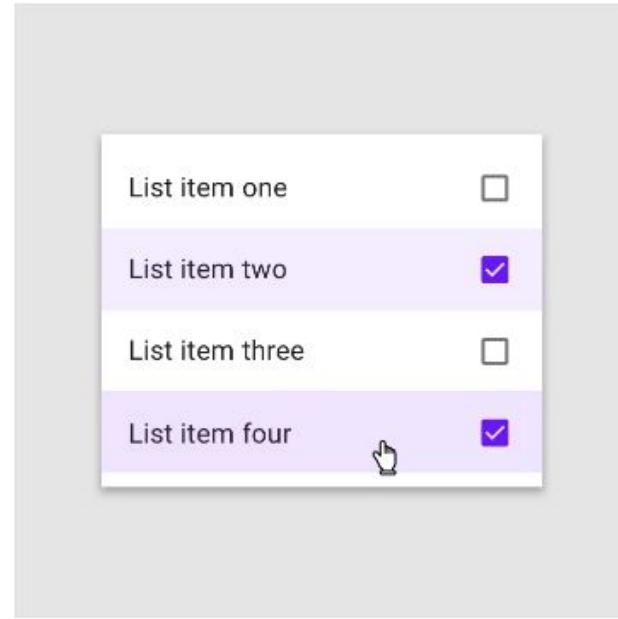
Janet Perkins



Mary Johnson



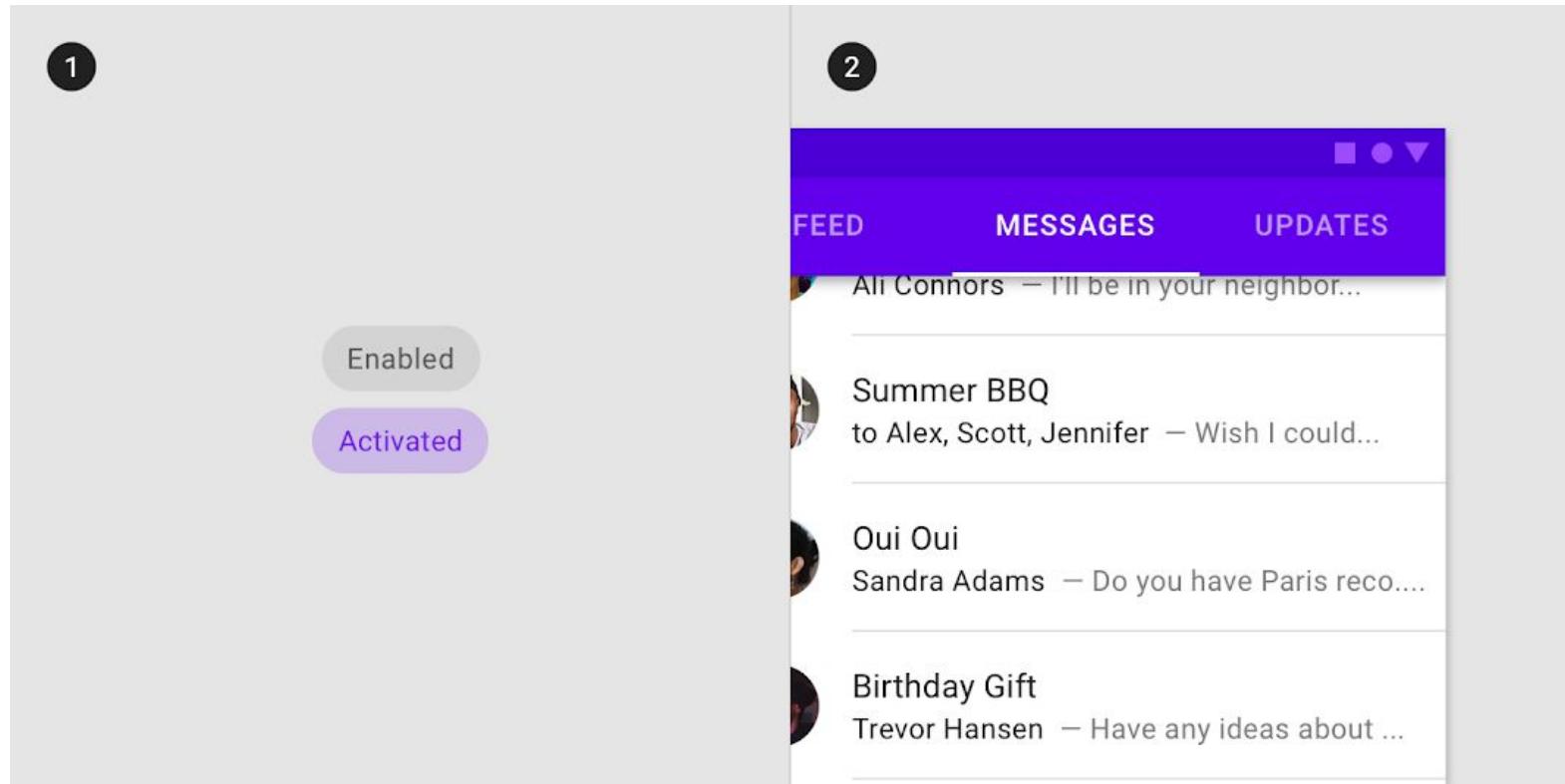
Selected states appear and disappear using a fade animation.



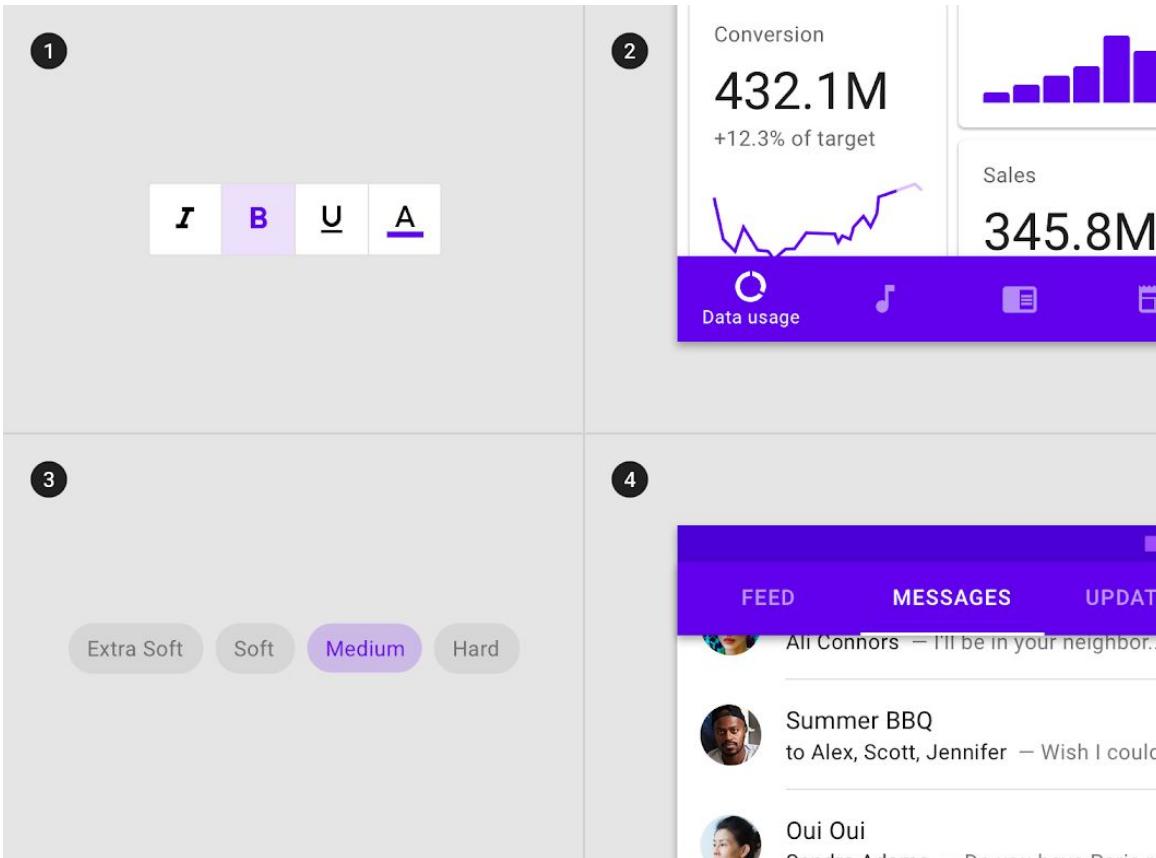
Selected states appear in user-initiated order.

# State และ การ Activated

เพื่อไว้ระบุค่าสถานะปัจจุบัน จนไปถึง บอก User  
ว่าเขากำลังอยู่ในหน้าใดอยู่



ຕົວຢ່າງການໃຫ້ຈານ **Activated** ໃນ Tab ແລະ choice chips



# การแสดงแบบ Component รูปแบบต่าง ๆ

# Don't

1

ACTIVATED

2

Activated dialog

CANCEL      DISCARD

# State และ การ Pressed

บอกให้โลกรู้ว่าเรากำลังจิ้ม คลิกอะไรอยู่

1

Enabled list item

Pressed list item

Enabled list item

Enabled list item

2

Enabled 

Pressed 

3



PRESSED

1

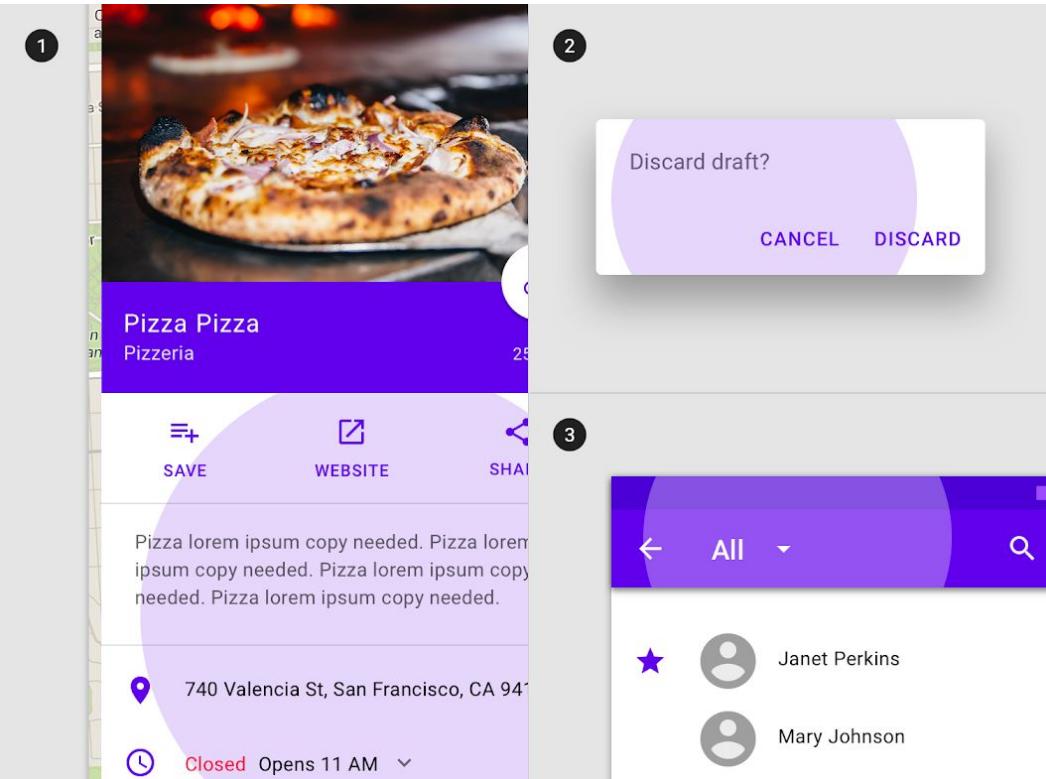
Conversion

537

2



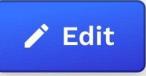
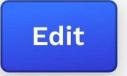
# Don't



# อย่าลืมว่าทั้งหมดที่พูดถึง เรอยู่ในส่วนของ Material

ดังนั้นหากต้องการปรับให้เข้ากับแพลตฟอร์มให้ดูรายละเอียด  
ของแพลตฟอร์มที่กำลังพัฒนาอีกครั้ง

Button  
Styles

		
Contained Button with icon	Contained Button	Outlined/Ghost Button
		
Text Button	Icon Button	Floating Action Button (FAB)
		
Toggle Buttons	Multiselect Buttons	Split Button

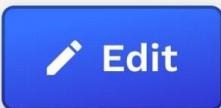
by Taras Bakusevych

ref : <https://uxdesign.cc/button-design-user-interface-components-series-85243b6736c7>

**Button**

## Style hierarchy

Primary



Secondary



Tertiary



Albert Einstein  
#quotes

Hey,

“ Imagination is more important than knowledge. For knowledge is limited, whereas imagination embraces the entire world, stimulating progress, giving birth to evolution.”

Regards,  
Albert

Delete

Save Draft

Send

by Taras Bakusevych

ref : <https://uxdesign.cc/button-design-user-interface-components-series-85243b6736c7>

 Useful tip

In some cases, there is no default action



✓ Approve



✗ Reject

Steering user towards a certain choice



✓ Approve



✗ Reject

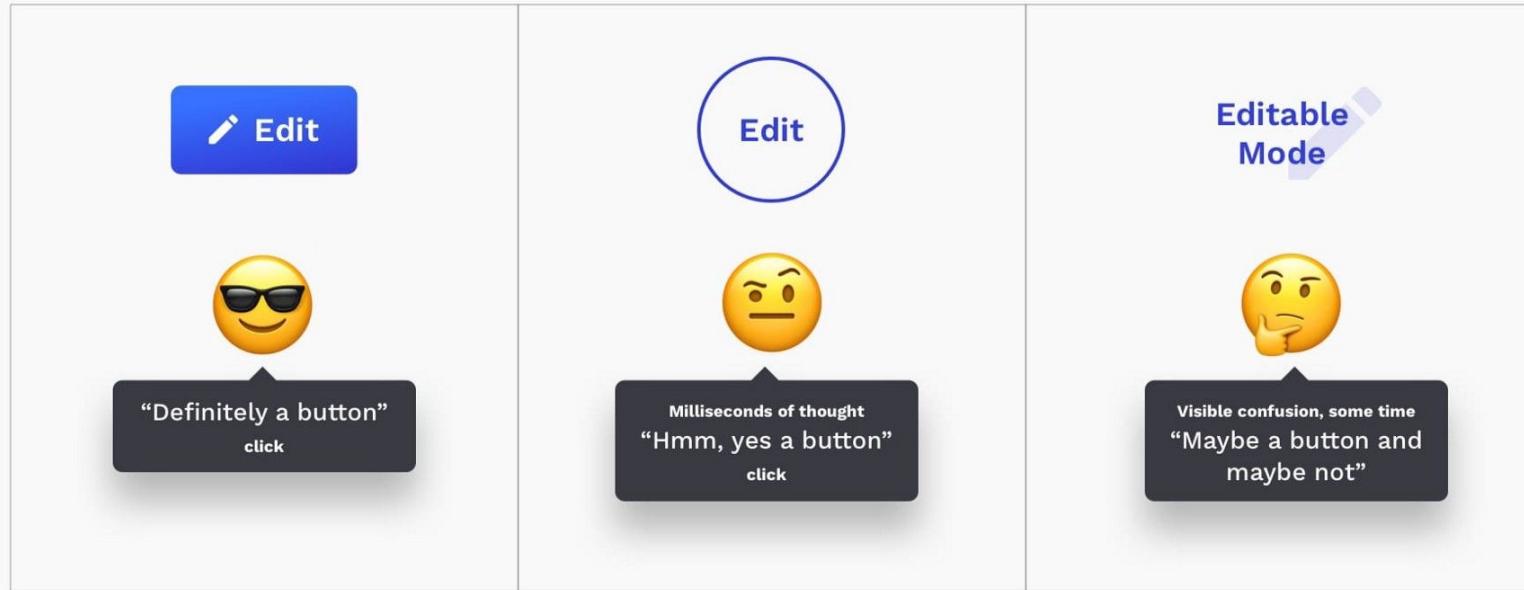
Presenting all choices equally for user

by Taras Bakusevych

ref : <https://uxdesign.cc/button-design-user-interface-components-series-85243b6736c7>

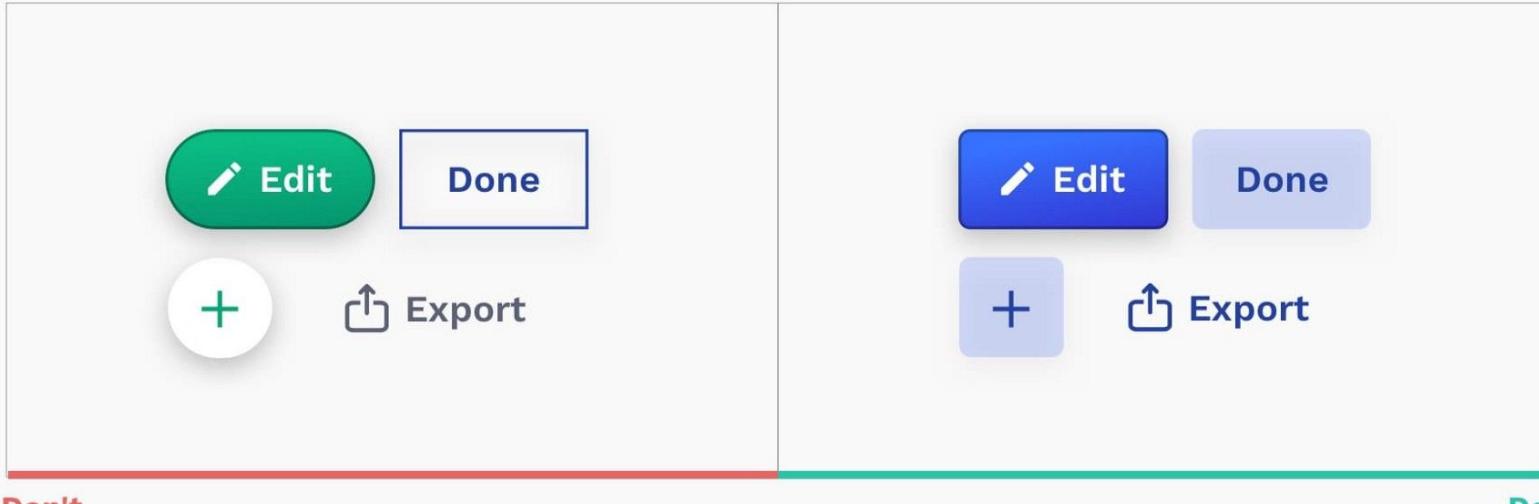
**Button**

Appearance affects the speed of recognition



 Useful tip

## Use consistent styles

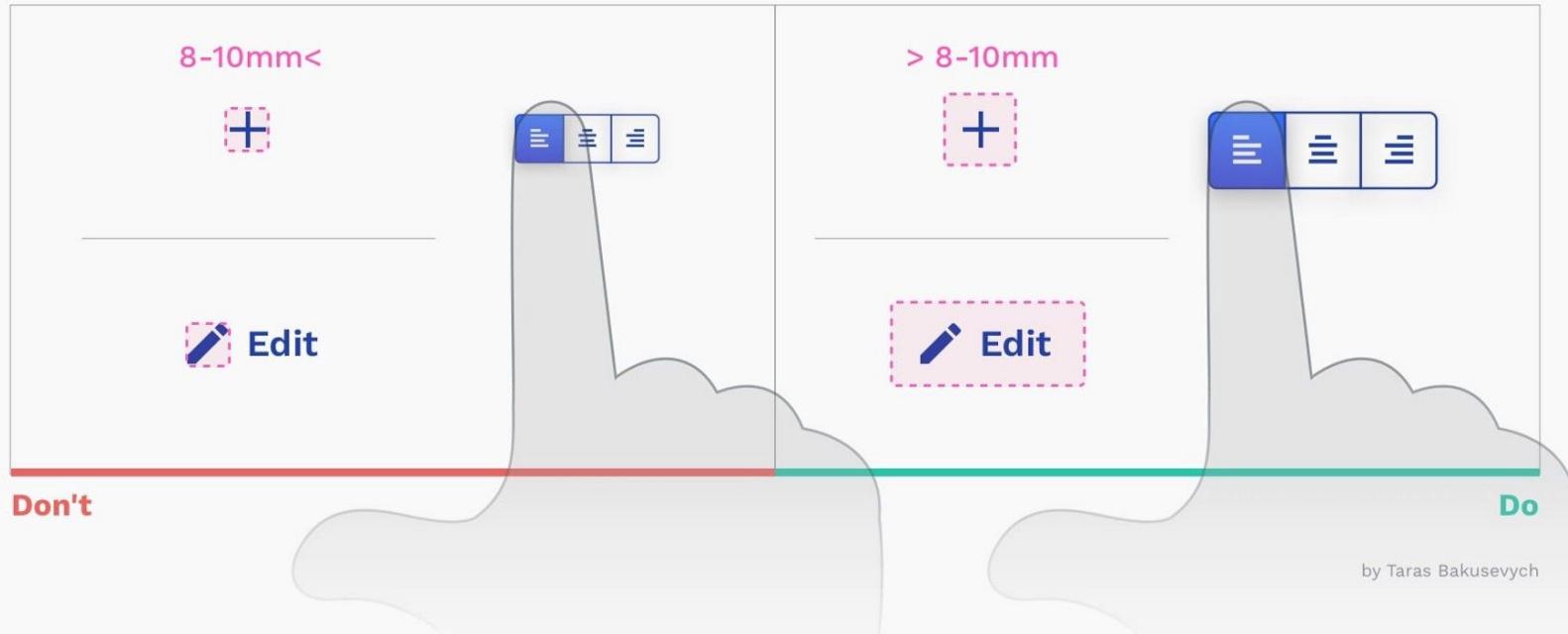


ref : <https://uxdesign.cc/button-design-user-interface-components-series-85243b6736c7>

by Taras Bakusevych

 Useful tip

Make buttons large enough for reliable interaction



ref : <https://uxdesign.cc/button-design-user-interface-components-series-85243b6736c7>



### Useful tip

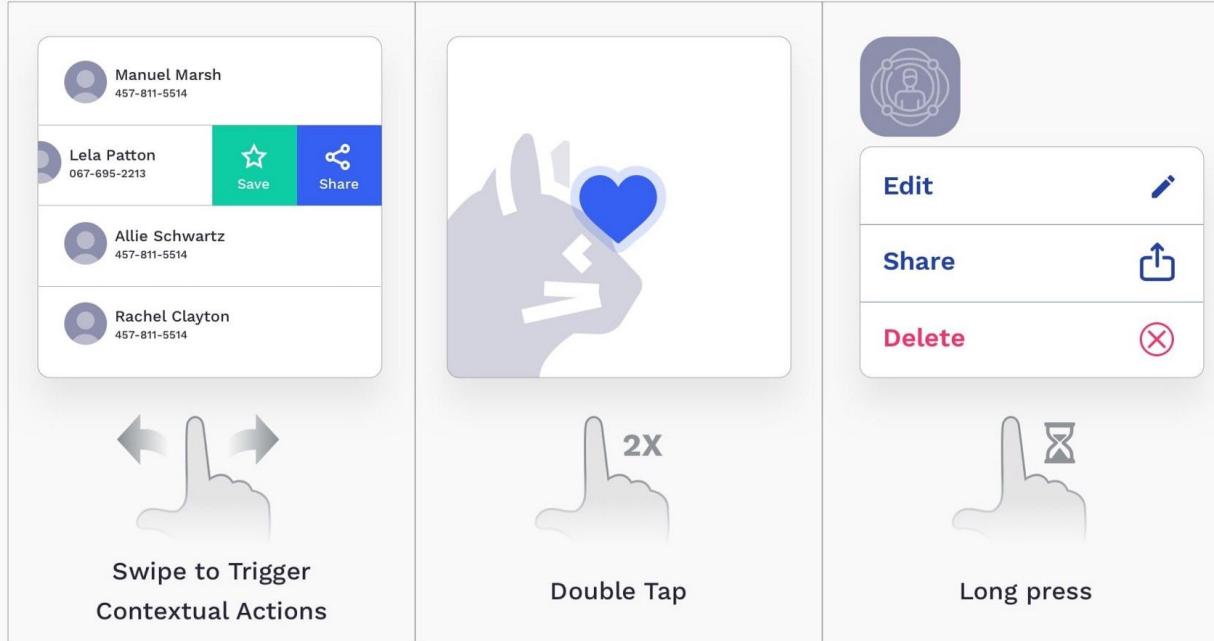
# Design for accessibility

<p>Draft</p> <p> Send</p> <p>&lt;div&gt; or &lt;img&gt; tags to create buttons.</p>	<p>WCAG</p> <p>✗ AA:</p> <p>✗ AAA:</p> <p>Contrast Ratio</p> <p><b>1.8:1</b></p>	<p> Send</p> <p>role='button'</p>	<p>WCAG</p> <p>✓ AA:</p> <p>✓ AAA:</p> <p>Contrast Ratio</p> <p><b>8.8:1</b></p>
--	--	--	--

by Taras Bakusevych

**Action**

## Gestures

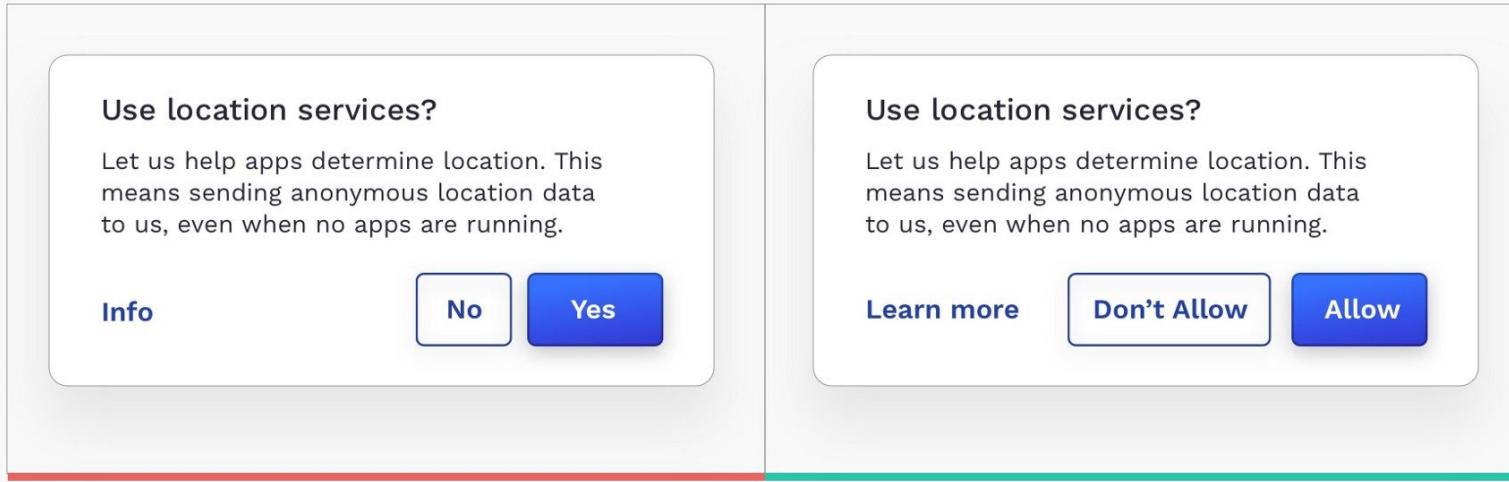


by Taras Bakusevych

ref : <https://uxdesign.cc/button-design-user-interface-components-series-85243b6736c7>

 **Useful tip**

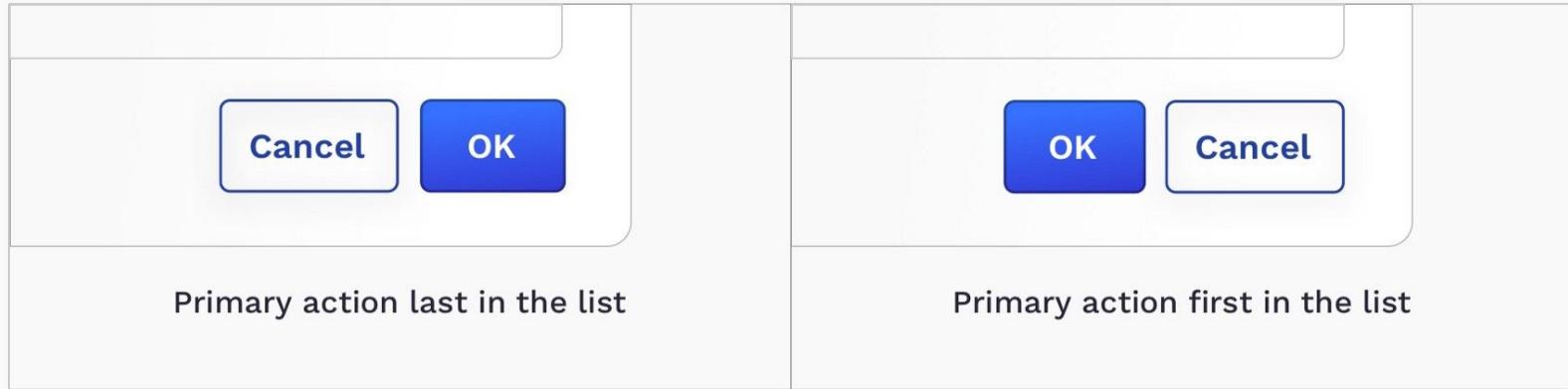
Good button label invites users to take action

**Don't****Do**

by Taras Bakusevych

**Button**

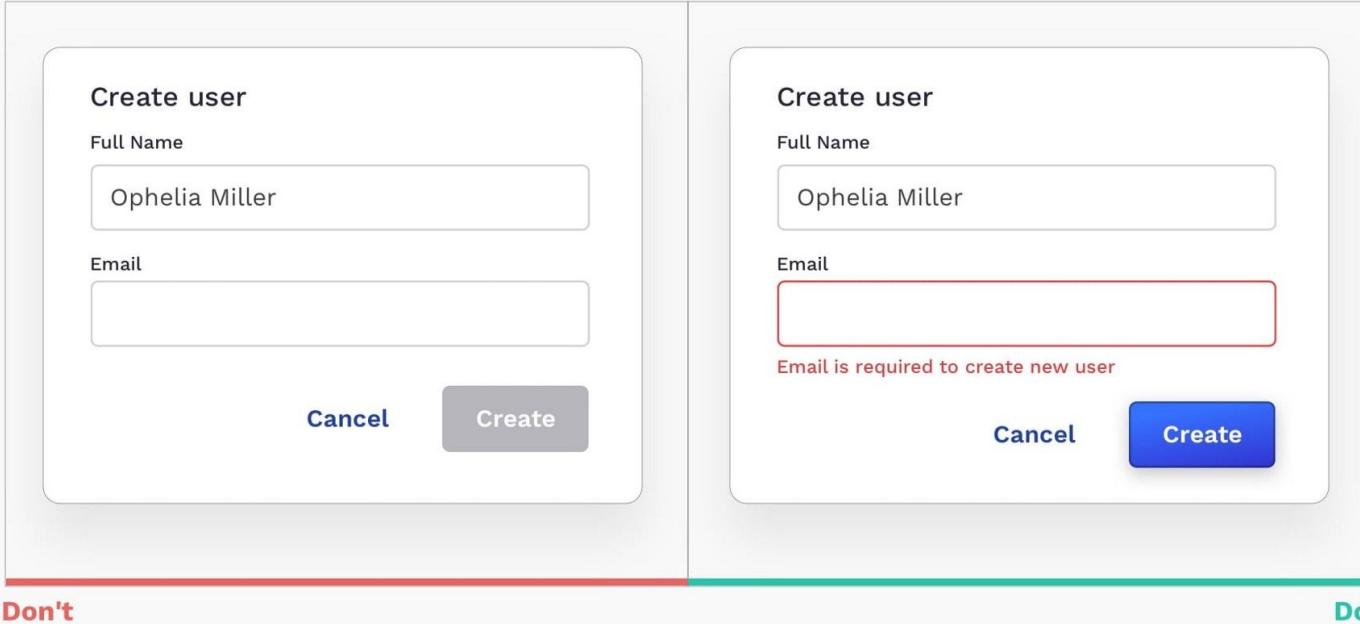
Order and position in page layout or dialog window



by Taras Bakusevych

 Useful tip

Disabled buttons suck



The image shows two side-by-side wireframe mockups of a 'Create user' form. Both versions include fields for 'Full Name' (containing 'Ophelia Miller') and 'Email'. In the left version, labeled 'Don't', the 'Email' field is empty and the 'Create' button is greyed out. In the right version, labeled 'Do', the 'Email' field has a red border and the error message 'Email is required to create new user' is displayed below it, while the 'Create' button is blue and enabled.

Create user

Full Name

Ophelia Miller

Email

Cancel Create

Don't

Create user

Full Name

Ophelia Miller

Email

Email is required to create new user

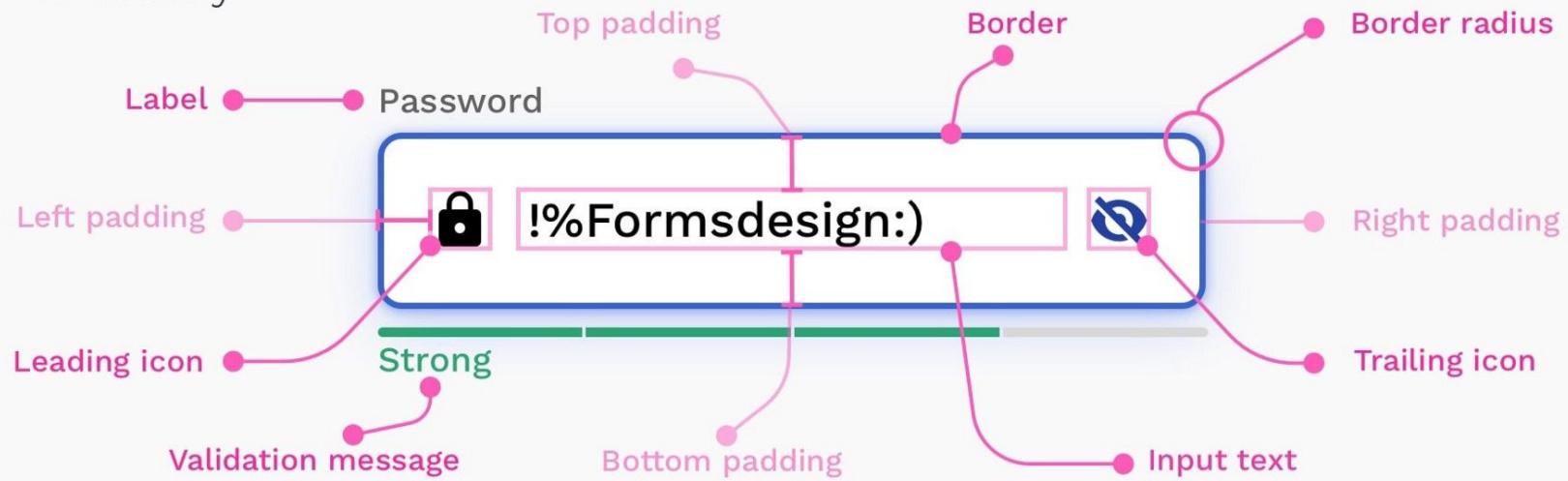
Cancel Create

Do

by Taras Bakusevych

# Text fields & Forms design

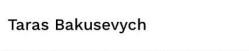
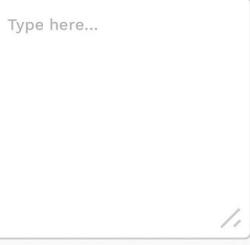
ออกแบบฟอร์มอย่างไรให้ดูกรทั้ง UX และ UI

**Input****Anatomy**

by Taras Bakusevych

1. **Container** – ส่วนที่ผู้ใช้งานมีปฏิสัมพันธ์ด้วย
2. **Input text** – ข้อมูลที่ใส่ลงใน Input Text
3. **Label Text** – ส่วนที่บอกรายละเอียดของฟล์ดนั้น ๆ
4. **Placeholder text** – ส่วนการอธิบายตัวอย่างของ การกรอกข้อมูล
5. **Helper or Validation text(optional)** – ข้อความอื่น ๆ เพิ่มเติมเกี่ยวกับวิธีการกรอก
6. **Leading icon(optional)** – เป็นการระบุว่าข้อมูลฟล์ดนั้น ๆ จำเป็นต้องกรอก
7. **Trailing icon(optional)** – การซ่อน หรือ แสดงข้อมูลเช่น รหัสผ่าน หรือ การเคลียร์ฟล์ด

**Input**  
Types

Full Name 	Search field 	Description  0 / 320
Date 	Nationality 	Text area input
Date	Selection input	
Phone 	Send to 	Quantity 
Phone Number	Multi-select input	Input with stepper
Password 	Credit card 	Label Color 
Strong Password	Number only input	Color selector

by Taras Bakusevych

ref : <https://uxdesign.cc/text-fields-forms-design-ui-components-series-2b32b2bebd0>

# อย่าลืมว่าไม่ใช่ทุก Field จะมีความหมายเหมือนกัน

ดังนั้นการสร้างความแตกต่างจะช่วยให้ผู้ใช้งาน  
ใช้งานได้ง่ายขึ้น

 Useful tip

Use appropriate input type for data you collecting

<p>Full Name</p> <p>Albert Einstein</p> <p>Phone</p> <p>380-622-8862</p> <p>Credit Card Number</p> <p>9888121234534546</p> <p>Comment</p> <p><input type="text"/></p>	<p>Full Name</p> <p>Albert Einstein</p> <p>Phone</p> <p> +380-622-8862</p> <p>Credit Card Number</p> <p>9888 1212 3453 4546 </p> <p>Comment</p> <p><input type="text"/> 0 / 320</p>
---	---

Don't

Do

by Taras Bakusevych

ref : <https://uxdesign.cc/text-fields-forms-design-ui-components-series-2b32b2beebd0>

# การจัดการ State กับ Field

เพราอย่าลืมว่าต้องมีเรื่อง State ให้เราจัดการ

Input

States

<p>Account name</p> <input type="text"/>	<p>Account name</p> <input type="text"/>	<p>Account name</p> <input type="text"/> Albert Einstein
<p>Inactive</p>	<p>Hover</p>	<p>Disabled</p>
<p>Account name</p> <input type="text"/> Alb	<p>Account name</p> <input type="text"/> Albert Einstein <small>Verificaion...</small>	<p>Account name</p> <input type="text"/> Albert Einstein <small>Name taken</small>
<p>Focus/active</p>	<p>Validation</p>	<p>Error</p>

by Taras Bakusevych

# เลือกรูปแบบการแสดง ของ Text field ให้ดี

ไม่มีกฎตายตัวขึ้นกับการใช้งาน

**Input**

## Label position and styles

<p>Full Name <b>Albert Einstein</b></p>	<p>Full Name <b>Albert Einstein</b></p>	<p>Full Name <b>Albert Einstein</b></p>
<p>Underline</p>	<p>Outlined (adaptive label)</p>	<p>Outlined (top aligned label)</p>
<p>Full Name <b>Albert Einstein</b></p>	<p>Full Name <b>Albert Einstein</b></p>	<p>Full Name <b>Albert Einstein</b></p>
<p>Filled</p>	<p>Outlined (contained label)</p>	<p>Left or Right aligned label</p>

by Taras Bakusevych

ref : <https://uxdesign.cc/text-fields-forms-design-ui-components-series-2b32b2beebd0>

First Name	Albert		
Last Name	Einstein		
Date of Birth	12	Jan	1988
Password	••••••••••		
Confirm password	••••••••••		

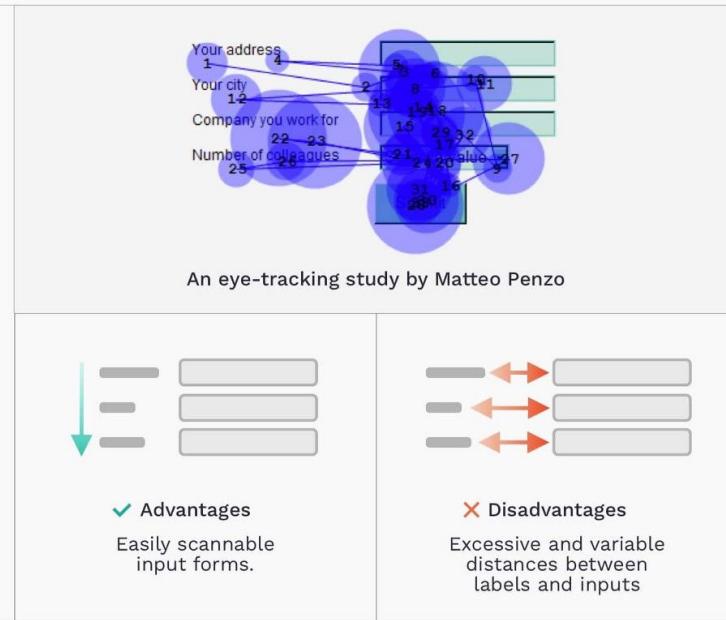
ref : <https://uxdesign.cc/text-fields-forms-design-ui-components-series-2b32b2bebd0>

## Forms

## Left-aligned labels

Full Name	Albert Einstein
Email	albert_einstein@gmail.com
User role	Admin
Valid to	24 Jan 2021
Password	••••••••••

**Create** **Cancel**

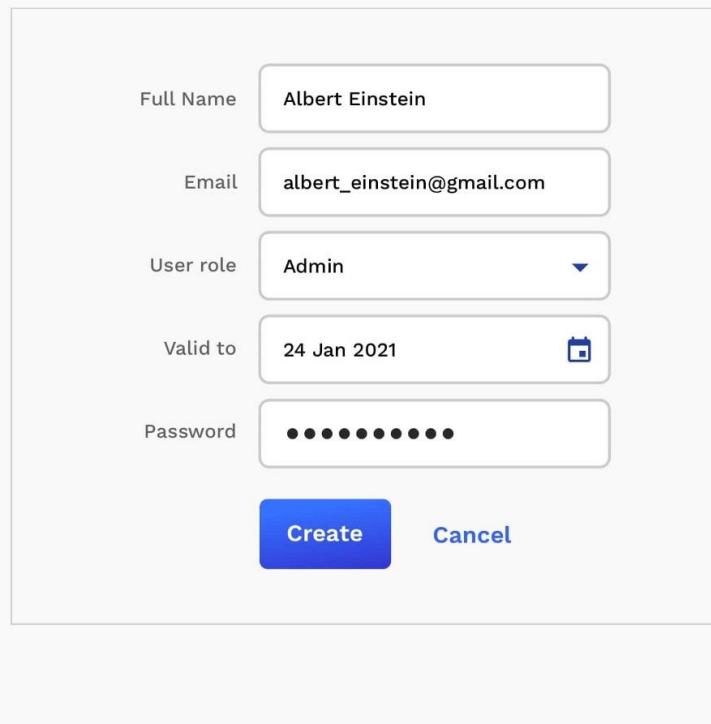


by Taras Bakusevych

ref : <https://uxdesign.cc/text-fields-forms-design-ui-components-series-2b32b2beebd0>

## Forms

## Right-aligned labels



A user registration form with five fields: Full Name, Email, User role, Valid to, and Password. The fields are arranged vertically with right-aligned labels. The 'User role' field includes a dropdown arrow. The 'Valid to' field includes a calendar icon. The 'Password' field shows a masked password. At the bottom are 'Create' and 'Cancel' buttons.

Full Name	Albert Einstein
Email	albert_einstein@gmail.com
User role	Admin ▾
Valid to	24 Jan 2021 
Password	••••••••••

**Create**   **Cancel**

11.35

ref : <https://uxdesign.cc/text-fields-forms-design-ui-components-series-2b32b2beebd0>

**Forms**

## Right-aligned labels

Full Name

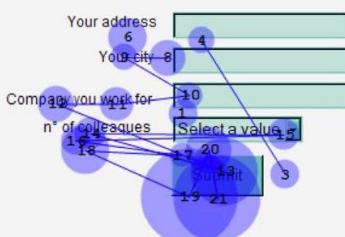
Email

User role

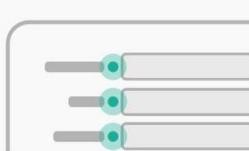
Valid to  

Password

**Create** **Cancel**



An eye-tracking study by Matteo Penzo



✓ Advantages

Input label and input are closely positioned, quick completion



✗ Disadvantages

Harder to quickly scan what all info is required, less visually appealing

by Taras Bakusevych

ref : <https://uxdesign.cc/text-fields-forms-design-ui-components-series-2b32b2beebd0>

## Forms

## Top aligned labels

Full Name

Albert Einstein

Email

albert\_einstein@gmail.com

User role

Admin ▾

Valid to

24 Jan 2021 

Password

••••••••••

11.35 - 11.40  
ref : <https://uxdesign.cc/text-fields-forms-design-ui-components-series-2b32b2beebd0>

## Forms

## Top aligned labels

Full Name

Albert Einstein

Email

albert\_einstein@gmail.com

User role

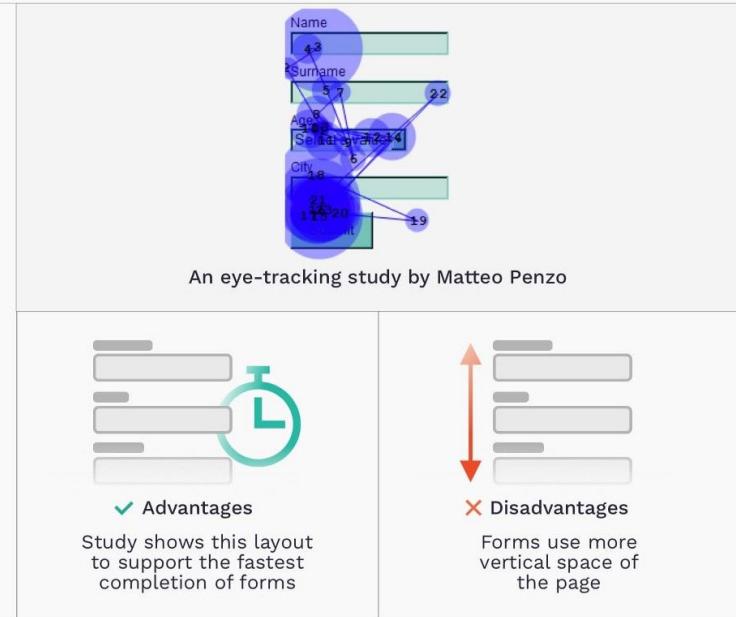
Admin

Valid to

24 Jan 2021

Password

.....

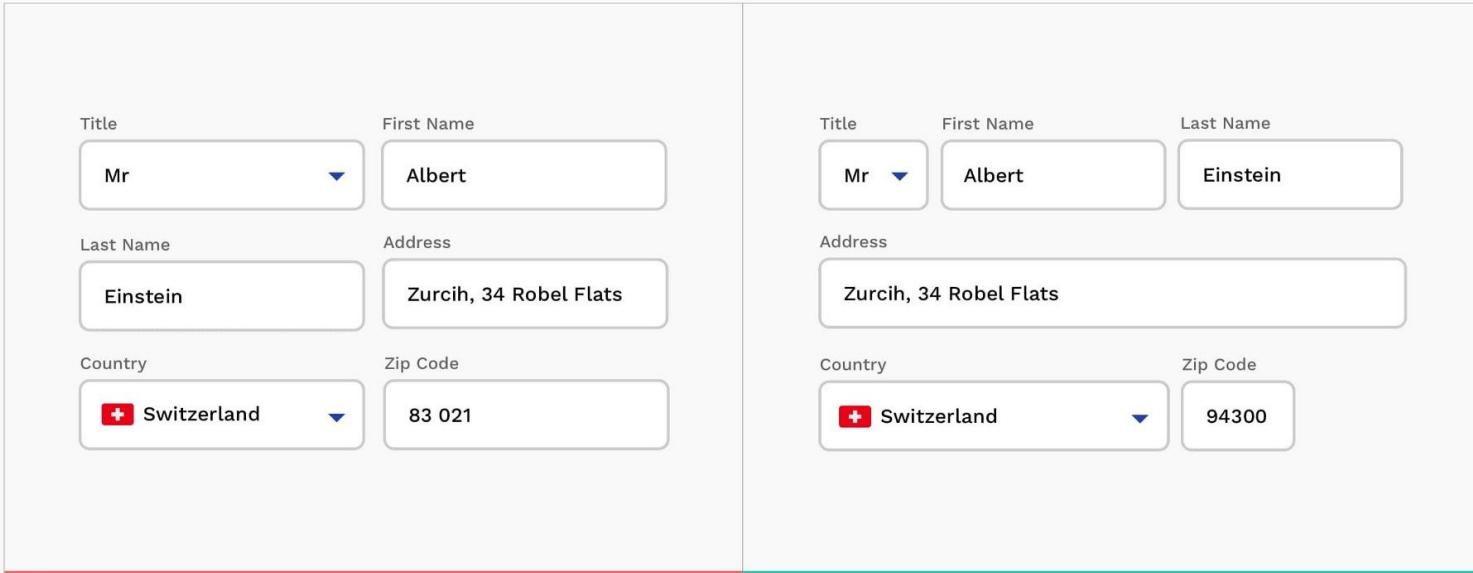


by Taras Bakusevych

ref : <https://uxdesign.cc/text-fields-forms-design-ui-components-series-2b32b2beebd0>

 Useful tip

The size of the input communicates the length of the content needed



The image shows two side-by-side UI form examples. The left example, labeled 'Don't', has smaller input fields for 'First Name' (width ~150px) and 'Address' (~250px). The right example, labeled 'Do', has larger input fields for 'First Name' (width ~300px) and 'Address' (~450px), which better accommodate the content.

Title	First Name
Mr	Albert

Last Name	Address
Einstein	Zurcih, 34 Robel Flats

Country	Zip Code
+ Switzerland	83 021

Title	First Name	Last Name
Mr	Albert	Einstein

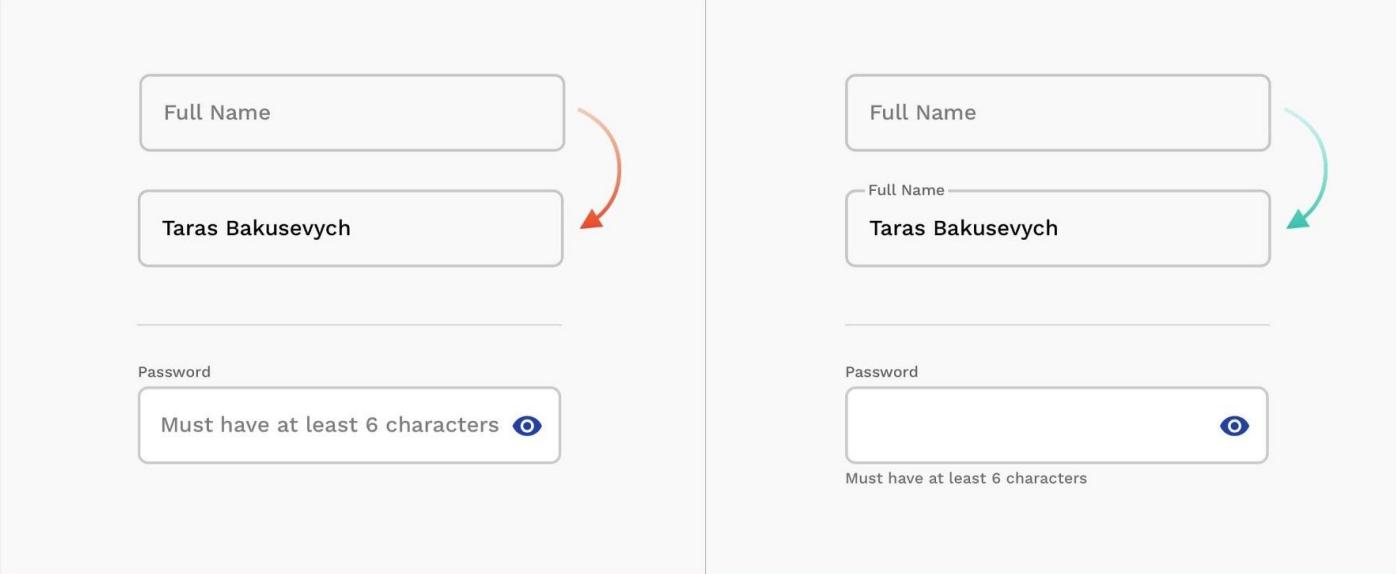
Address
Zurcih, 34 Robel Flats

Country	Zip Code
+ Switzerland	94300

by Taras Bakusevych

 Useful tip

Placeholders in form fields are harmful



Full Name

Taras Bakusevych

---

Password

Must have at least 6 characters 

Don't

Full Name

Full Name

Taras Bakusevych

---

Password

Must have at least 6 characters 

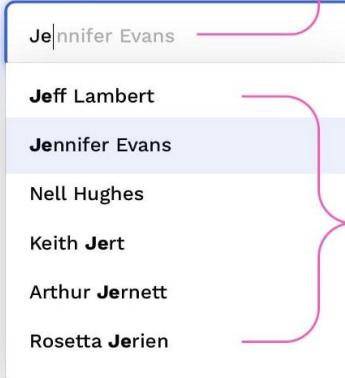
Must have at least 6 characters

Do

by Taras Bakusevych

## Input

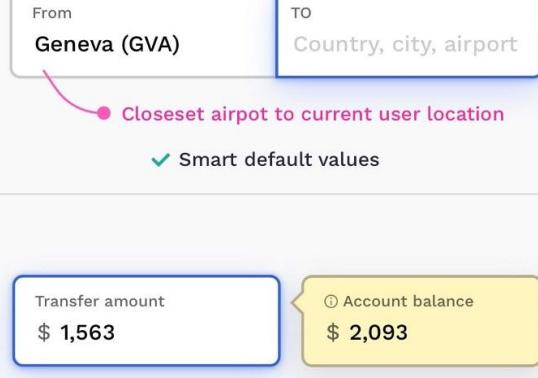
Assist users during the completion process



**Autocomplete**

**Autosuggest**

✓ Autocomplete and Autosuggest



**Find flights**

From **Geneva (GVA)** To **Country, city, airport**

✓ Smart default values

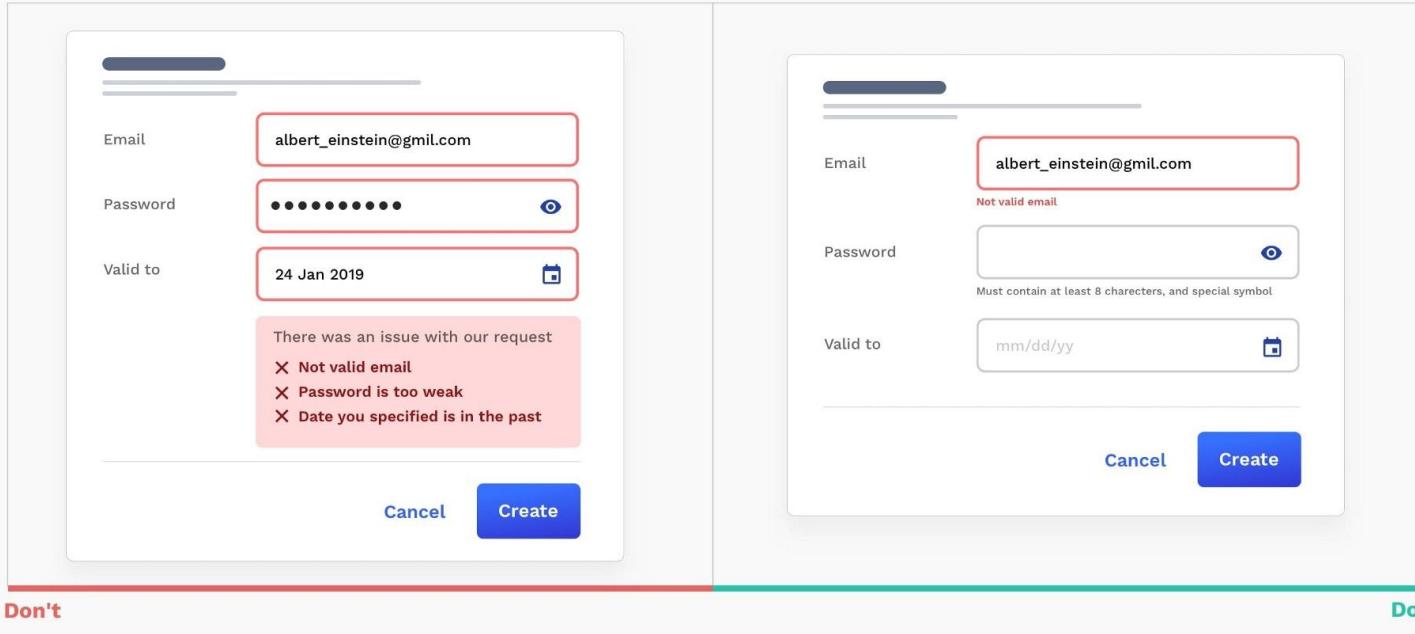
Closest airport to current user location

✓ Contextual help and validation

by Taras Bakusevych

 Useful tip

Use inline validation after the user fills out the field instead of checking whole form



The image compares two approaches to form validation. The 'Don't' section on the left shows a modal with a large, general error message containing three specific validation errors. The 'Do' section on the right shows a more granular approach where each field has its own inline validation message.

**Don't**

**Do**

by Taras Bakusevych

11.50 - 11.55  
ref : <https://uxdesign.cc/text-fields-forms-design-ui-components-series-2b32b2beebd0>

 Useful tip

Limit the number of fields and label text

First Name	Albert
Last Name	Einstein
Date of Birth	12 ▾ Jan ▾ 1988 ▾
Password	••••••••••
Confirm password	••••••••••

Full Name	Albert Einstein
Date of Birth	24 Jan 2021 
Password	•••••••••• 

Don't

Do

by Taras Bakusevych

# จำกัดจำนวนของฟิลด์ และ ข้อความที่ขึ้นมาในฟอร์ม

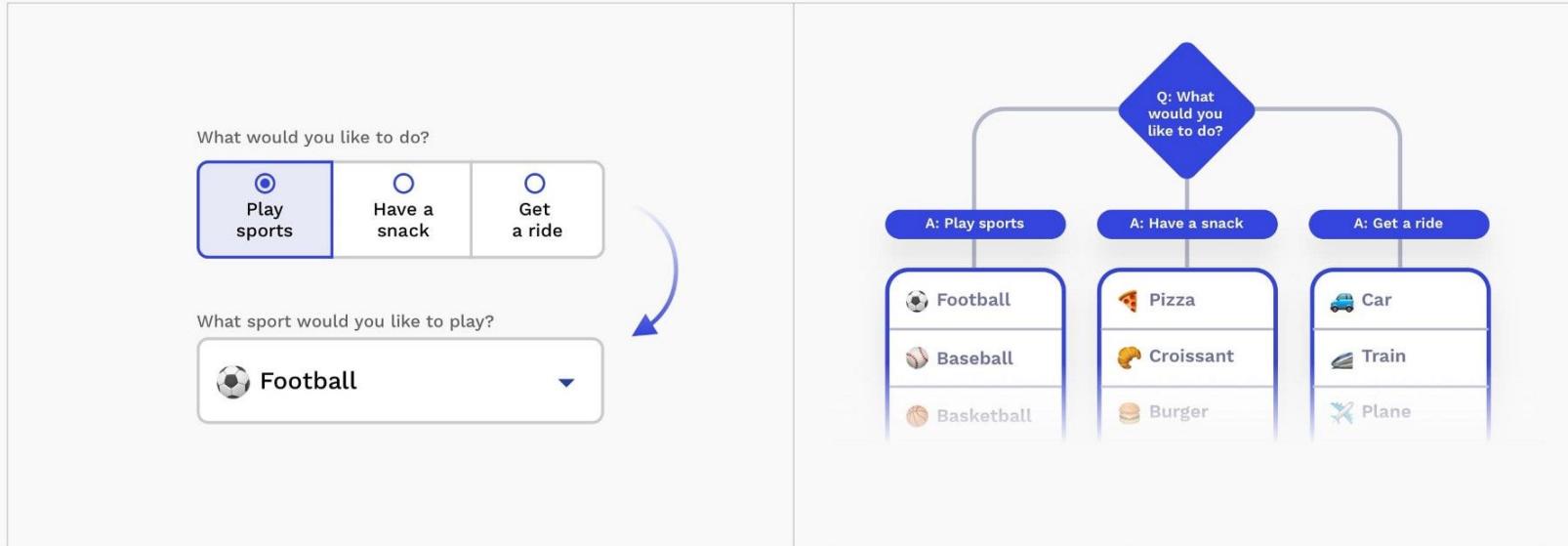
อย่าถ้ามคำถ้าเดิมช้า ๆ เช่น รหัสผ่านเราแก้ได้ด้วย  
การเปิดให้เขาดูสิ่งที่เขาได้กรอกลงไป

# การใช้ Conditional Logic

เพื่อให้ฟอร์มแสดงผลแค่ส่วนที่จำเป็น ก็ลดจำนวนฟิลเตอร์ลงได้

## Forms

## Conditional forms



by Taras Bakusevych

# การรวมกลุ่มของพิล์ดที่ เกี่ยวข้องกันไว้ด้วยกัน

ช่วยเพิ่มกึ้งความง่าย, ความถูกต้อง, ความรวดเร็ว  
และ ความต่อเนื่องในการกรอกข้อมูล

 Useful tip

Group related fields

Title      First Name      Last Name

Mr      Albert      Einstein

Address

Zurcih, 34 Robel Flats

Country      Zip Code

Switzerland      94300

Cardholder Name

Albert Einstein

Card Number

9888 1212 3453 4546 

Expiry date      Security code

07 / 24      242

**Shipping details**

Title      First Name      Last Name

Mr      Albert      Einstein

Address

Zurcih, 34 Robel Flats

Country      Zip Code

Switzerland      94300

**Payment info**

Cardholder Name

Albert Einstein

Card Number

9888 1212 3453 4546 

Expiry date      Security code

07 / 24      242

Don't

Do

by Taras Bakusevych

Avoid using multiple column layouts for forms



# เลี่ยงการทำ Multiple Column

# DESIGN SYSTEM

Session 3 (16.00 - 16.15 u.)

**Design Systems** គឺជា របៀបការ  
អនកແបបំពីថ្មីដែលធ្វើឡានូវការ UI តាម  
រយៈការសែនកម្មភាព ដើម្បី  
ការងារទិន្នន័យ !

# ចំងវេប្រភេទប្រព័ន្ធឌីជីថល តាមការរៀបចំលក្ខណន៍ខ្លួនបុរិ និង Pattern តាំង ၅ ក្នុងអាជីវកម្ម



Layers Assets Minimal De... ▾

Pages

Minimal Design System - Pr...

PAGES VIEW

◆ General

◆ Management

◆ App

◇ \_\_Common

◇ \_\_Common

# preview

# visit\_store

# cover

[ colors\_light

[ colors\_dark

[ typography\_dark

[ typography\_light

[ shadows\_light

[ shadows\_dark

[ grid\_light

[ grid\_dark

[ brand\_light

14.35

[ brand\_dark

[ illustrations\_light

## Colors

 MINIMAL DESIGN SYSTEM

### Primary

  
Hex #00AB55  
Rgb 0, 171, 85

### Info

  
Hex #1890FF  
Rgb 24, 144, 255

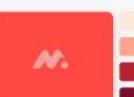
### Success

  
Hex #54D62C  
Rgb 84, 214, 44

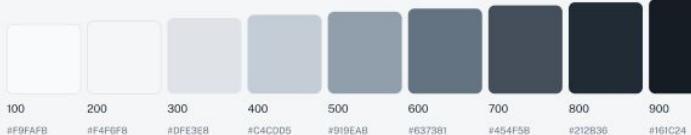
### Warning

  
Hex #FFC107  
Rgb 255, 193, 7

### Error

  
Hex #FF4842  
Rgb 255, 72, 66

### Grey

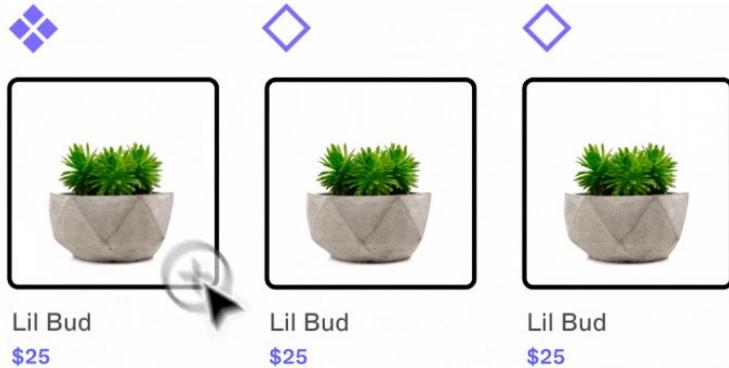


# ງ່າຍ ໂ ຄົວ “ຂ້ອຕກລອງຮ່ວມກັນກາຍໃນ ທີມຂອງກາຣອກແບບນັ້ນເວັງ”

# Where your teams share the same language

Figma scales with your ever-evolving design system and growing team.

- **Reusable components:** Implement consistent designs with shared elements that are intuitive to use and easy to swap.
- **Aligned with code:** Create responsive components that map closer to code, making developer handoff more seamless.
- **Copy, code, and go:** Inspect files, review documentation, and quickly find the values developers need to build out features.



# Design System uu Figma

A collection of Design Systems for **Figma** from  
all over the globe 🌎



### Search Collection

Search by keyword

 <b>Ant Design System</b> Ant Group	 <b>ATLASSIAN Design System</b> Atlassian	 <b>Backstage Design System</b> Spotify	 <b>Uber</b> Base Design System Uber
 <b>Blocks</b> Airtable	 <b>Bold Design System</b> Laboratório Bridge	 <b>chakra</b> Chakra UI	 <b>CHICAGO</b> Chicago Design System City of Chicago

**Design System for Figma**  
ເວັບຮວມ Design System ທີ່ໄວ້ດູເປັນຕົວອຍ່າງ  
ແລະ ນຳໃປໃຊ້ໄດ້ກັນທີ

**“ແນ່ນອນວ່າການທີ່ມີ Design System  
ຈະຊ່ວຍເພີ່ມການ Collaborate  
ກາຍໃນອິນໂຄງການມາກຍິ່ງຂຶ້ນ”**

# ถ้าหากต้องการสร้าง Design System ไว้ใช้กับตัวเองนะ.. ต้องเริ่มจากจุดไหน ?

Marc Andrew - uxdesign.cc



# STEP 1 : เริ่มต้นที่ Colour Palette กำหนดสีหลักให้ครบถ้วนที่สุดเท่าที่เป็นไปได้ เช่น Primary Secondary จะไปถึงการแสดงผล Warning, Success

ref : Marc Andrew - [uxdesign.cc](http://uxdesign.cc)

# Tint & Shade Generator

0% 10% 20% 30% 40% 50% 60% 70% 80% 90%



Enter hex colors (separated by spaces)

ffc000 ffffff



Adobe Creative Cloud for  
Teams starting at \$33.99  
per month.

ADS VIA CARBON

Make tints and shades 🎨



หากไม่รู้ว่าจะไล่ลำดับสียังไง มาเว็บนี้ !  
แค่กำหนดสีหลัก ทุกอย่างจะมาเสริฟคุณเอง !!

14.40

<https://maketintsandshades.com>

**Colossus**  
Colossus  
**Uber**  
Uber  
**Hero**  
Hero  
Headline-1

**Colossus**  
Colossus  
**Uber**  
Uber  
**Hero**  
Hero  
Hero  
Headline-1

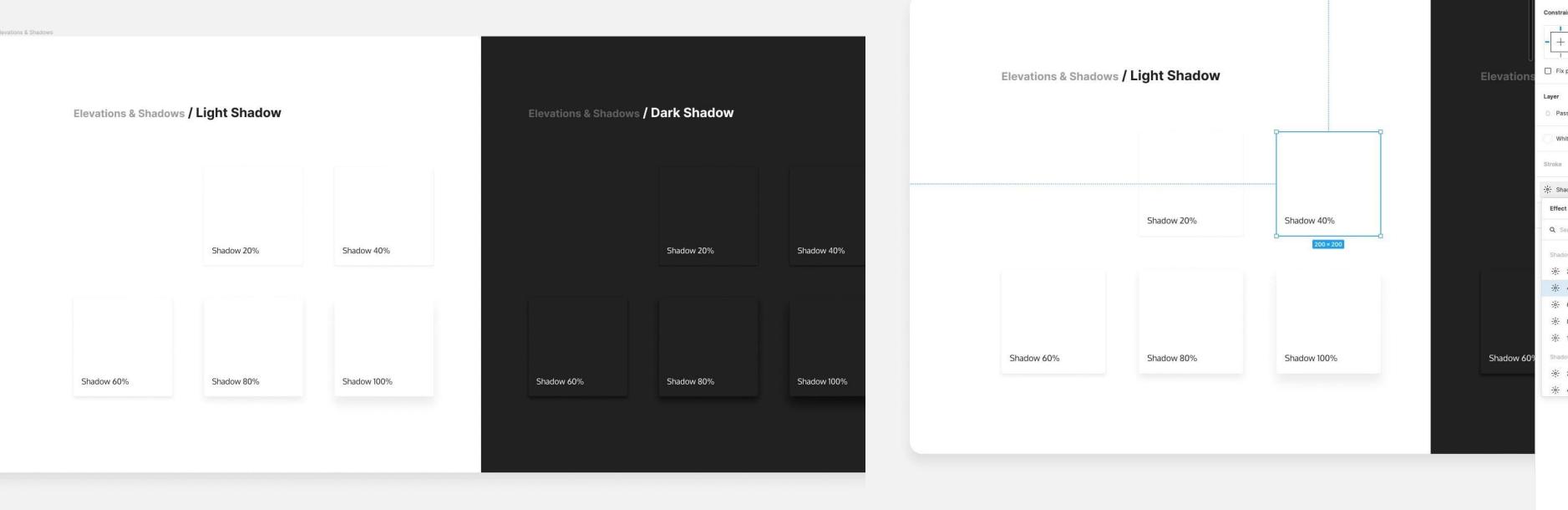


# STEP 2 : ຕາມມາດ້ວຍ Typography

## ຂາດ ຮູປແບບຕົວອັກສະ ຄວາມໜາ ຕົວເລີຍງ ເປັນຍ່າງໄ ?

### ກຳທັດມາພຣ້ອມກັນຕຽນນີ້

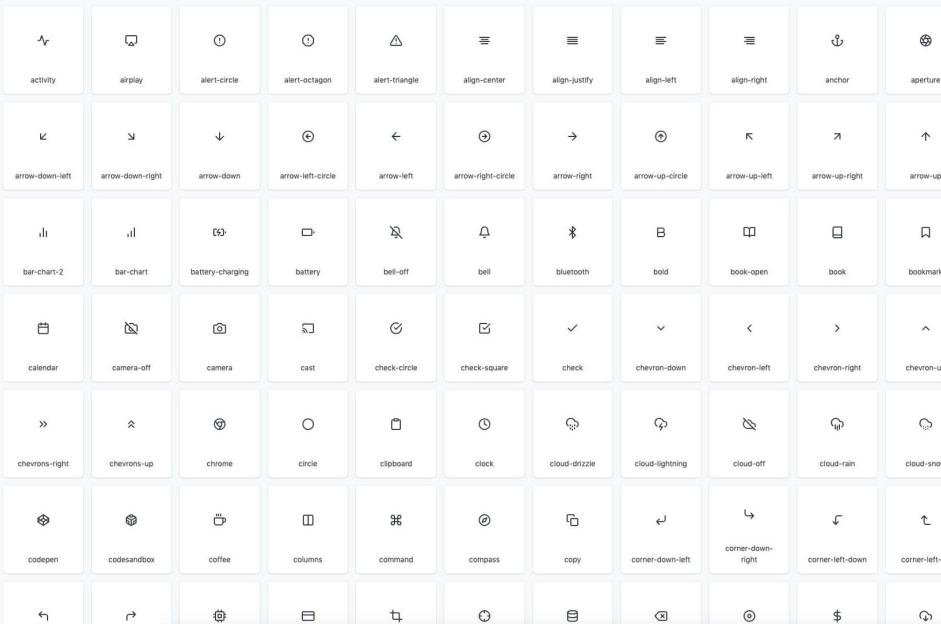
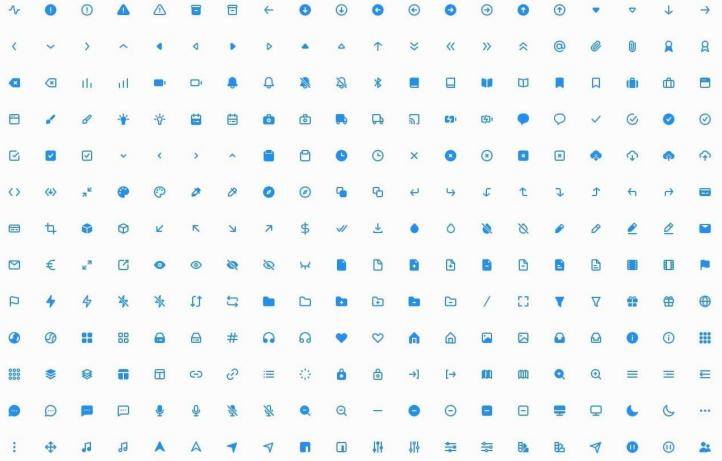
ref : Marc Andrew - uxdesign.cc



# STEP 3 : ຕ່ອມາຄື່ວ Body ຮົມຂາວ ດຳ ຜັກ ສ້ອນ ຊ ເປັນຍ່າງໃຈ ? shadow ແກ່ໄທຮ່ ? ຮະບຸໄວ້ໃຫ້ສັດເຈນ ເພື່ອເຂົາໃຈໃຫ້ຕຽນກັນ !

ref : Marc Andrew - [uxdesign.cc](http://uxdesign.cc)

## Main Components / Icons / Icon

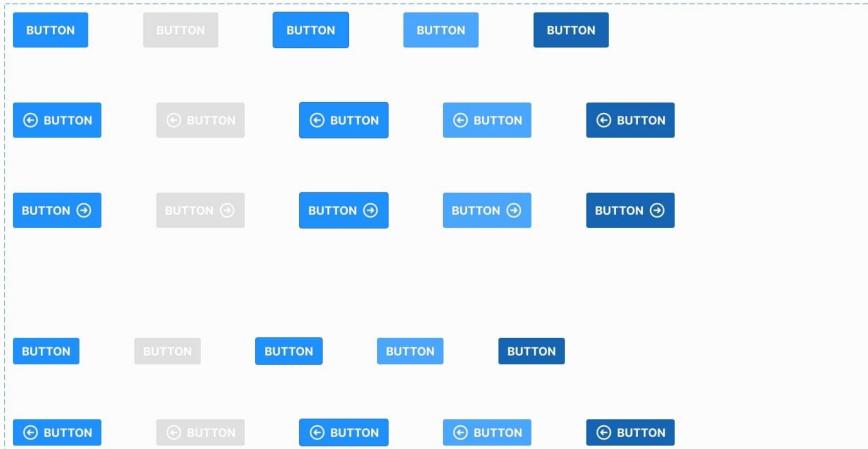


# STEP 4 : และตามด้วย Icon

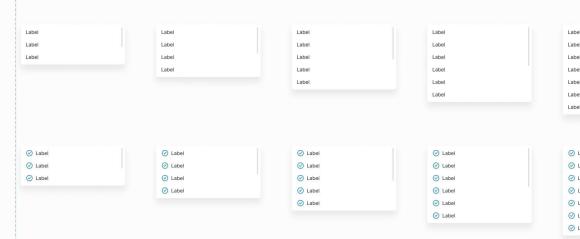
กำหนดรูปแบบ ขนาด ความหนา รวมถึงรูปแบบ icon ที่เป็น fill และ line เจ้าไว้เลย

ref : Marc Andrew - uxdesign.cc

## Main Components / Buttons / Button



## Main Components / Navigation / Dropdown Menu



BORTON  
DEV

## Main Components / Elements / Avatar



## Main Components / Sliders & Bars / Progress Bar



## Main Components / Elements / Ratings Bar



## Main Components / Sliders & Bars / Range Slider



# STEP 5 : ปัดด้วย Main Component

ไม่ว่าจะเป็น Button, Avatar, Ratings Bar, Dropdown , Placeholder, Range Slider, Calendar และ อื่น ๆ

ref : Marc Andrew - uxdesign.cc

# STEP 5 : ปิดด้วย Main Component

**Avatars**

**Button Groups**

**Calendars**

**Cards**

**Charts**

**Comments**

**Maps**

**Media Controls (Video & Audio)**

**Modals**

**Notifications**

**Pagination**

**Placeholders**

**Tooltips**

PROJECT รวมกลุ่ม 3 คน

Technical 25% Idea 15%