

R2

Wireframing

6.1040 Fall 2024

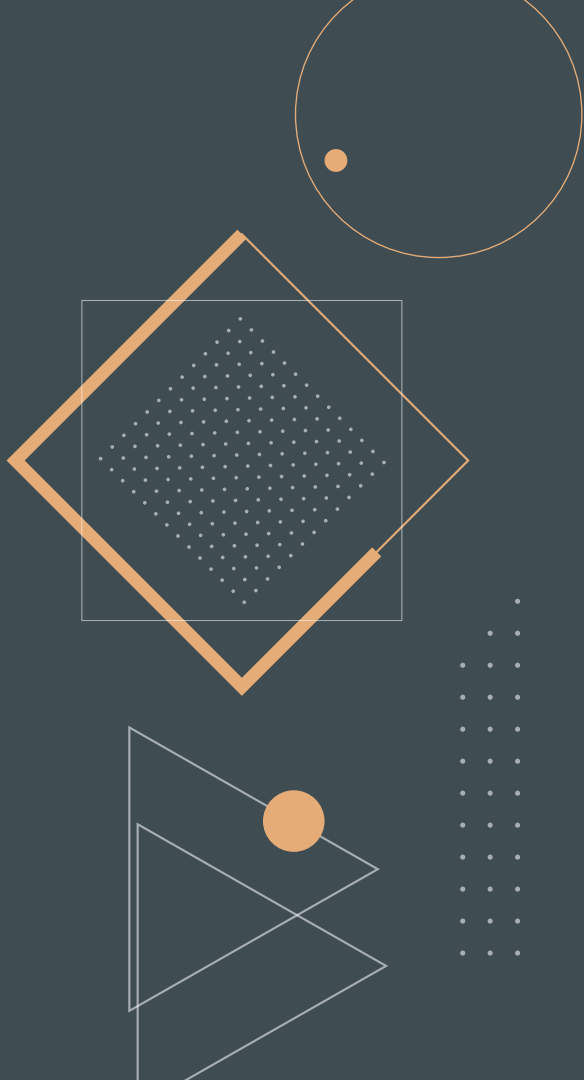
Welcome! If you didn't have a chance to complete Prep 2, make a free Figma account and copy of the Figma project at this link:

<https://tinyurl.com/61040-R02>

Otherwise, feel free to pull up your own wireframe from Prep 2!

Plan for today

- 0 Sketching
- 1 Wireframing Recap
- 2 Figma Recap
- 3 Exercise: Interactions + Flows
- 4 Wrap-up

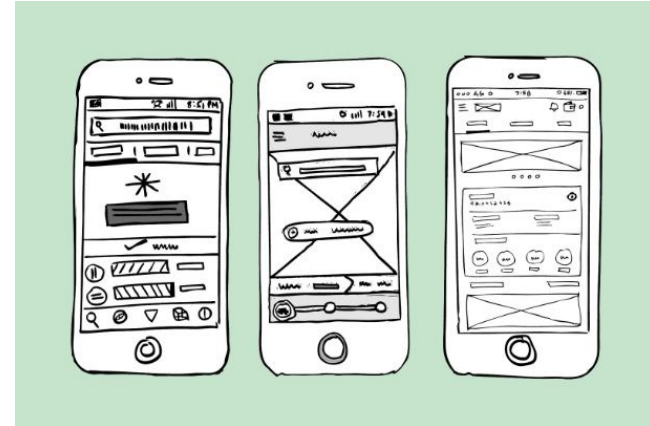


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Sketching!

Sketching

- Precursor to wireframes
- To generate as many ideas as possible
- Emphasis on brainstorming, not neatness/detail
- Helpful to use pen/pencil and paper to prevent erasing :)
- Quantity > Quality
- Will be used in A2



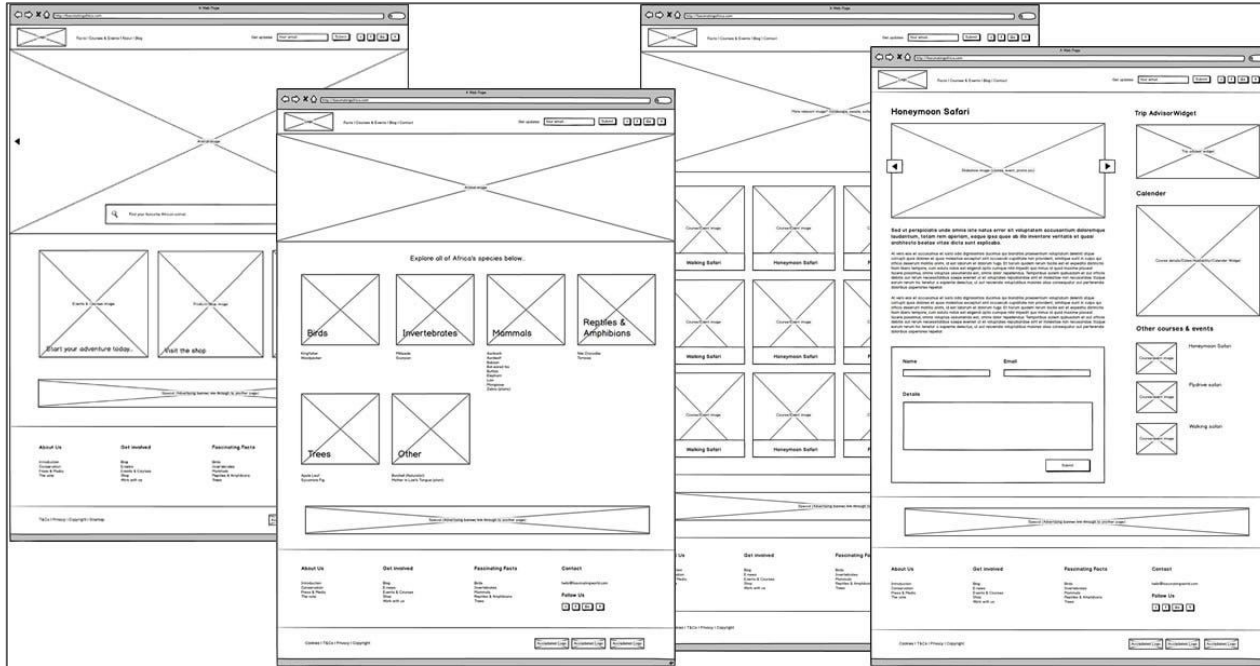
An abstract geometric design on a dark blue background. It features several elements: a large orange circle at the top left with a small orange dot inside; a diamond shape with a thick orange border and a thin white border, containing a grid of small white dots; a vertical column of small white dots; a triangle with a thick orange border and a thin white border, containing a large orange dot; and a vertical line of small white dots. The text '01 Wireframing Recap' is positioned on the right side of the image.

01

Wireframing Recap

What are wireframes?

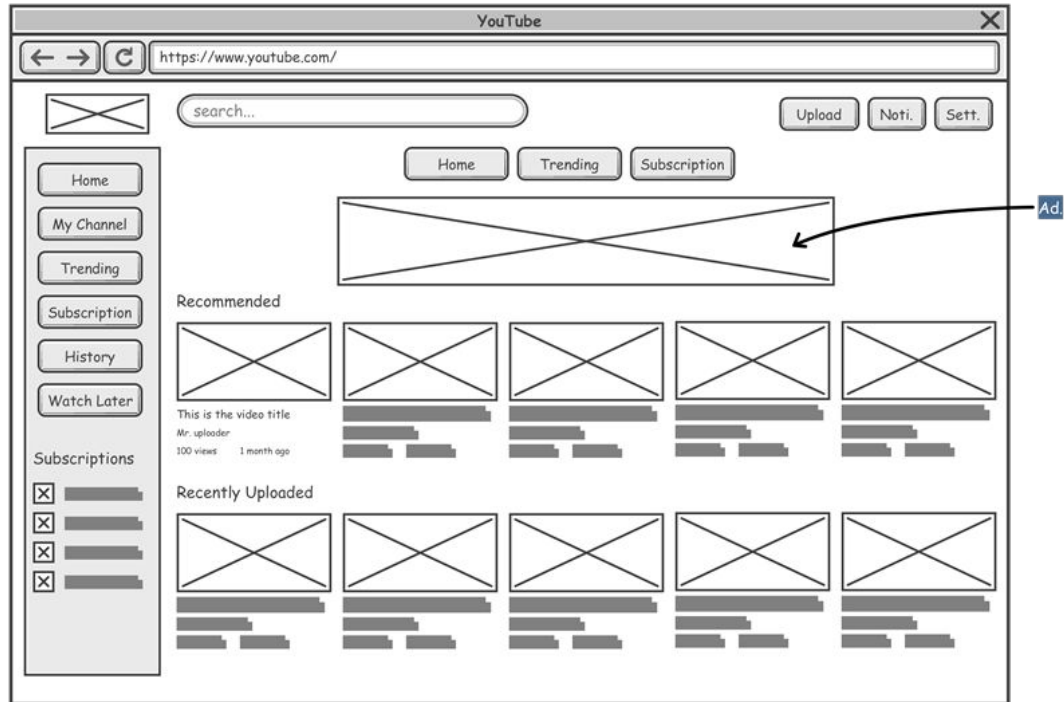
Illustrations or other visual mockups that represent the skeletal framework of a website / other UI – a "next step" after sketching



Wireframing in 6.1040

Focus on **layout, interactions, and functionality**

- color, aesthetics are less important

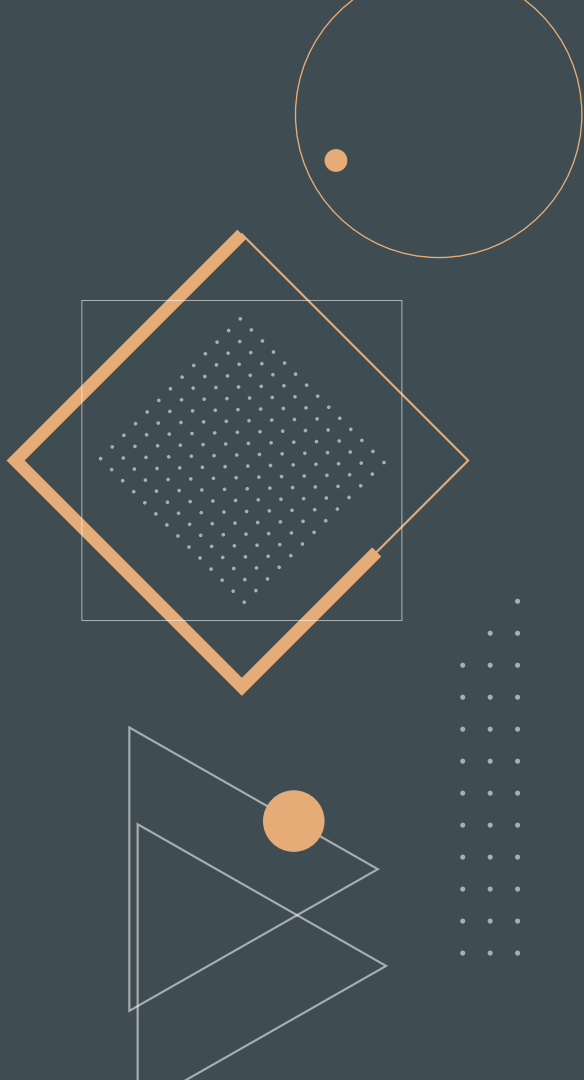


Why do we use them?

Wireframes are used by designers and engineers in **almost all software companies**

Why?

- Faster interaction prototyping + iterative design
- Visualize how users might actually use a site, before it's built
- Anticipate and address potential problems in interaction faster

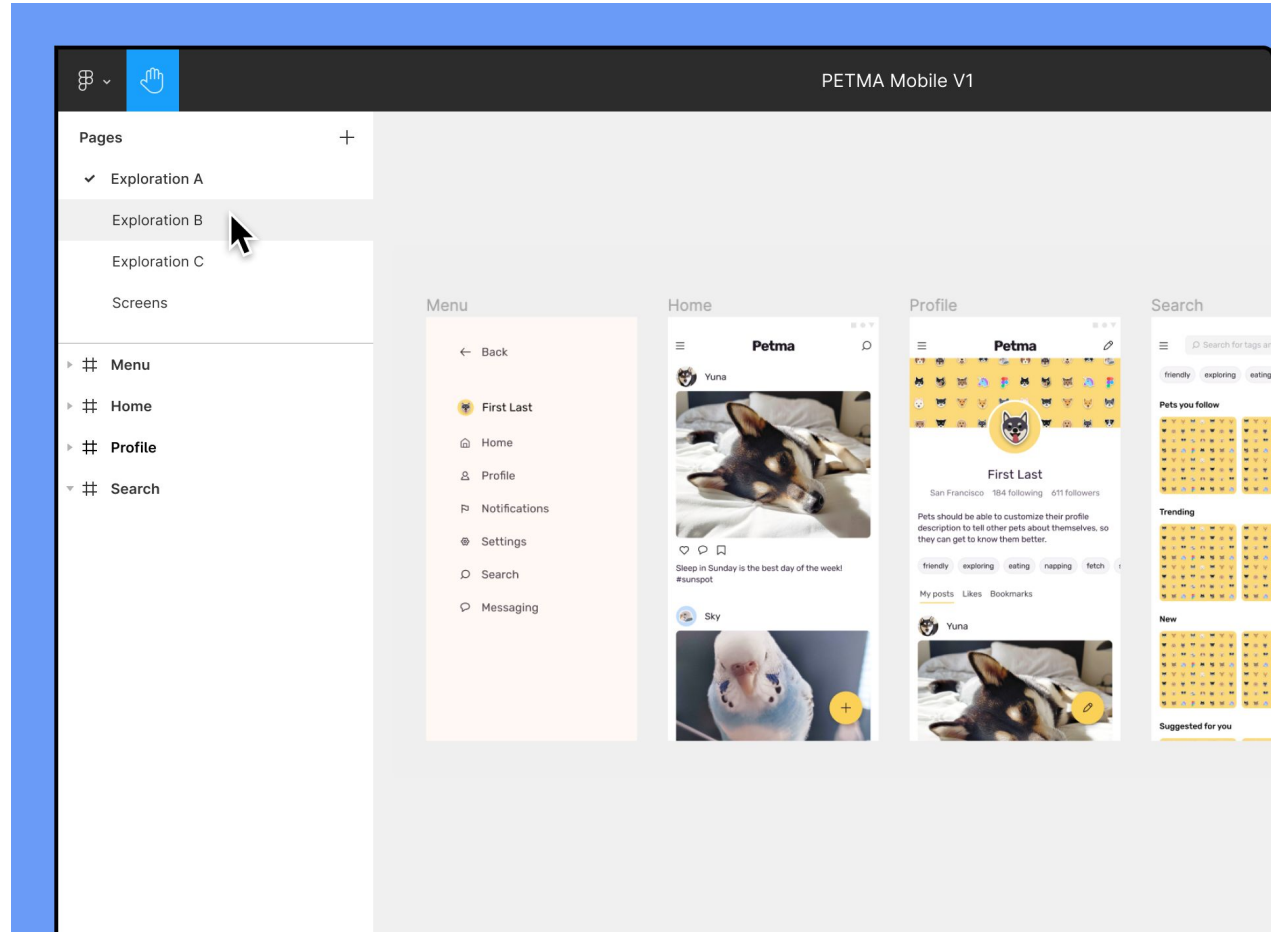


02

Figma
Recap

Figma

- Industry standard
- Other tools: Balsamiq (low fidelity frames), Adobe Xd



Some Tips

- **Keep aesthetic elements simple**
 - Start with grayscale colors – to give more time to focus on layout
- **Choose a simple font**
 - More important to use fonts to communicate hierarchy of information (i.e. Titles should be bigger than normal text)
- **Use boxes to represent graphics and images**
- **Don't overcomplicate**

Figma Walkthrough

The image shows a screenshot of the YouTube homepage. At the top, there is a navigation bar with the YouTube logo, a search bar, and a 'SIGN IN' button. Below the navigation bar is a row of category tabs: All, Gaming, Music, Live, Touchdowns, Taste, Slime, Laughter, History, Game shows, and Children's Music. The main content area displays a grid of video thumbnails. The first row includes: 'ROYAL FAMILY CHANNFI' (4:38), 'ELEGANT JAZZ' (24:08:01), 'Night Sky Jelly' (8:32), and 'The funeral of Queen Elizabeth II - BBC News'. The second row includes: 'Fascinating Maps of the US' (17:38), 'lofi hip hop radio - beats to relax/study to' (LIVE), '22-Year-Old Explains Why She's Stuck In The Body O...', and '24 hours in amsterdam, netherlands'. The left sidebar contains navigation options: Home, Explore, Shorts, Subscriptions, Library, and History. Below these are prompts to sign in to like, comment, and subscribe, and an 'EXPLORE' section with icons for Music, Sports, Gaming, Movies & Shows, and News.

YouTube Search

Home | **All** | Gaming | Music | Live | Touchdowns | Taste | Slime | Laughter | History | Game shows | Children's Music

ROYAL FAMILY CHANNFI 4:38
Kate and Royal Children Arrive for Funeral
The Royal Family Channel ✓
1.5M views · 4 hours ago

ELEGANT JAZZ 24:08:01
Elegant Jazz - Good morning mood with Jazz...
Elegant Jazz Music
239K views · 4 weeks ago

Night Sky Jelly 8:32
透明愛好家tomei
2.6M views · 1 year ago

THE STATE FUNERAL OF HM QUEEN ELIZABETH II
The funeral of Queen Elizabeth II - BBC News
BBC News ✓
430K watching
LIVE

Fascinating Maps of the US 17:38
that will change the way you see the country...
That Is Interesting
1.2M views · 1 year ago

lofi hip hop radio - beats to relax/study to LIVE
Lofi Girl ✓
43K watching

22-Year-Old Explains Why She's Stuck In The Body O...
TLC Australia ✓
4.1M views · 3 weeks ago

24 hours in amsterdam, netherlands
emma chamberlain ✓
1.7M views · 3 days ago

EXPLORE

- Music
- Sports
- Gaming
- Movies & Shows
- News

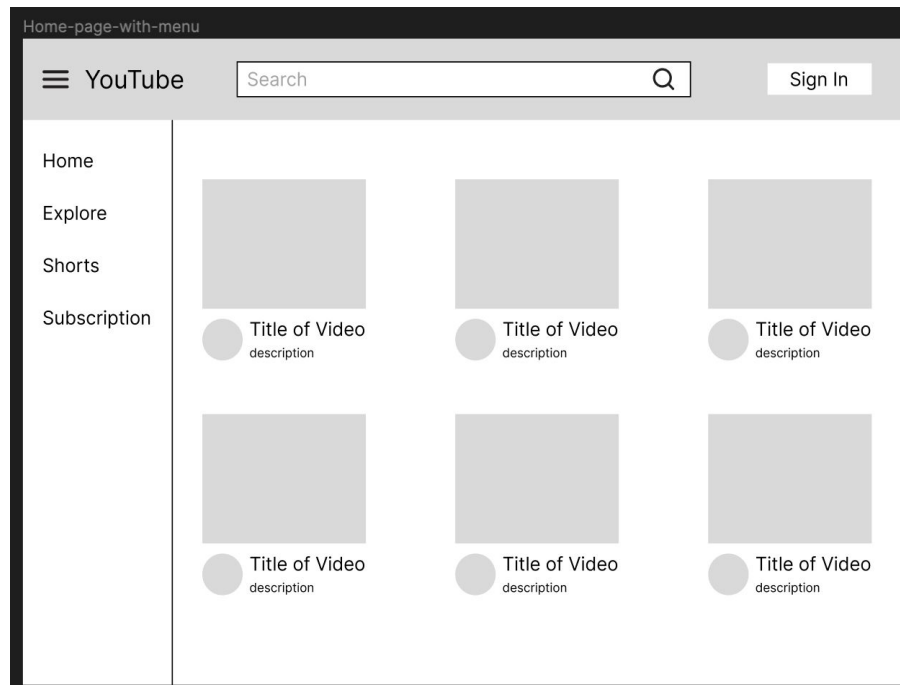
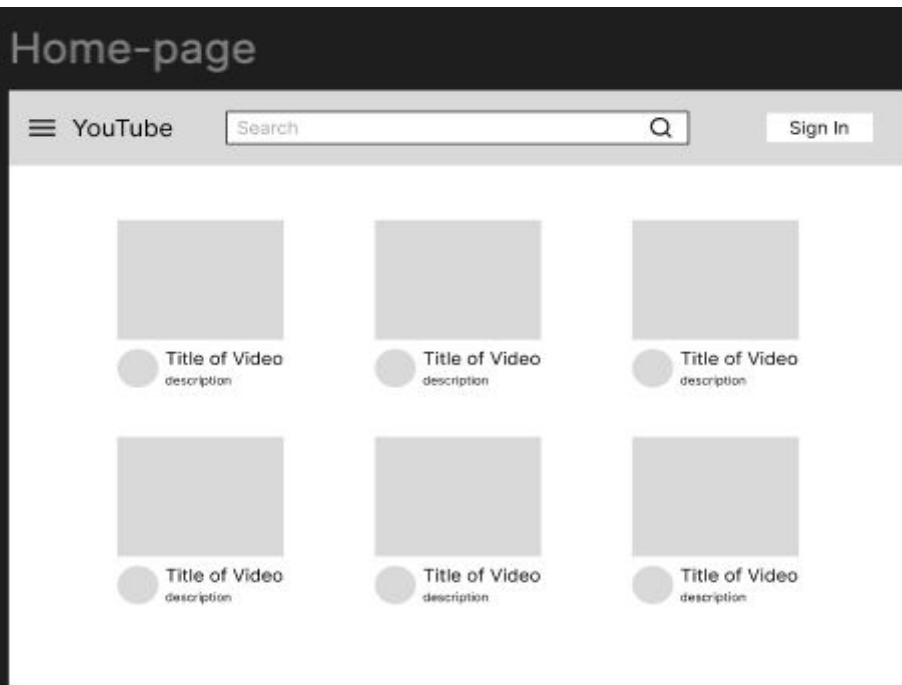
Takeaways

- **Frames:** containers for designs
 - Can be contained within other frames
- **Layers:** Each object is a layer, but these objects can be grouped into more conceptually "layer-like" things – confusing terminology
- **Interactions:** Can be done on an object to manipulate other objects (i.e. navigate to another page, scroll, etc.)
- **Flow:** Set of interactions that dictate how a user might interact with the site

Interaction - In class Example

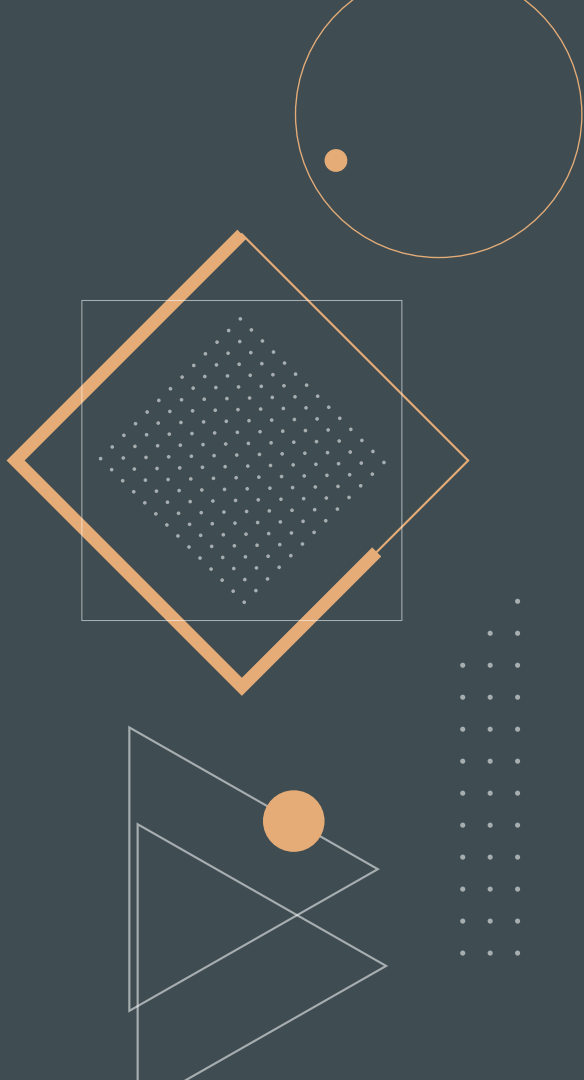
You should have

1. Initial Home Page frame
2. A frame with sidebar menu displayed



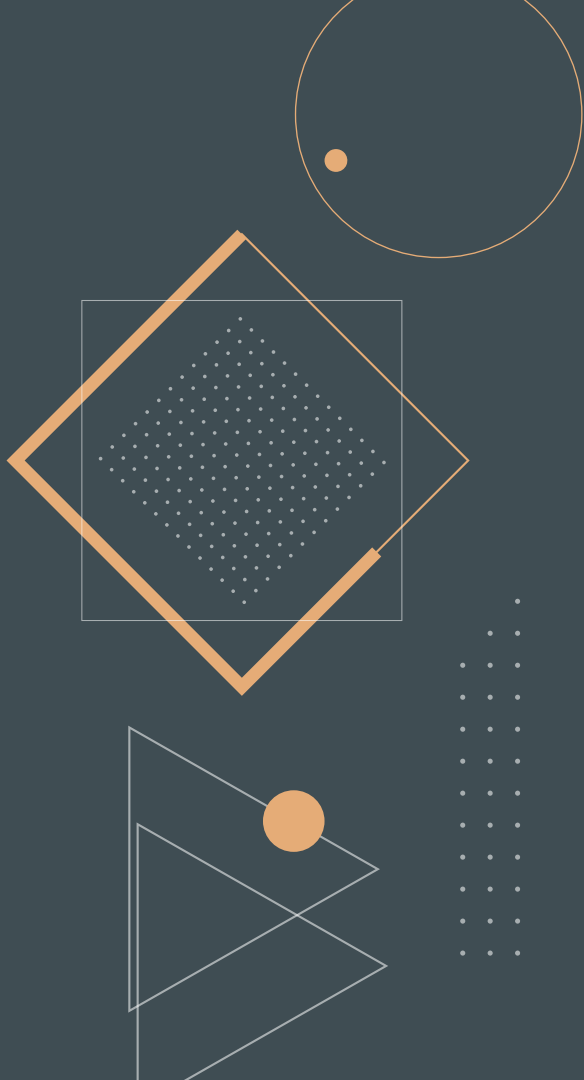
03

Interactions + Flows



Intro to Interactions & Flows

- Can only edit components in their original files
- **Interaction:** the action that occurs when a user interacts with a design prototype
- **Flow:** after creating an interaction, you can dictate how the user interacts with the site (following action)
- **Trigger points** - where interaction takes place e.g. click, hovering
- **Arrow/connection from trigger point** to destination where interaction ends
 - a new frame
 - a previous frame (back button)



03

Demo!

Menu Interaction Exercise

Interaction Goal: When the hamburger icon is clicked, the menu is displayed and closed.

1. Select **Menu Item** -> **Prototype** -> **Add Interaction** -> **Trigger: On Click**,
Action: Navigate to, **Destination: youtube-homepage-with-menu**
2. Create the **reverse interaction**: when the hamburger icon is clicked on the second page frame with the full menu on display, the user goes back to the home page.
3. Press play to display interaction.

Menu Interaction Exercise

Home-page

Flow 1

YouTube Search Sign In

Title of Video description

Title of Video description

Title of Video description

Title of Video description

Title of Video description

Title of Video description

Home-page-with-menu

YouTube Search

Home

Explore

Design Prototype

Create an interactive flow ✕

+ Click and hold to create a hotspot. That's to interact with your prototype.

→ Then drag the arrow to the frame your hotspot will lead to.

Interactions ↻ +

Click → Home-page-... -

Show prototype settings

On click ✕ +

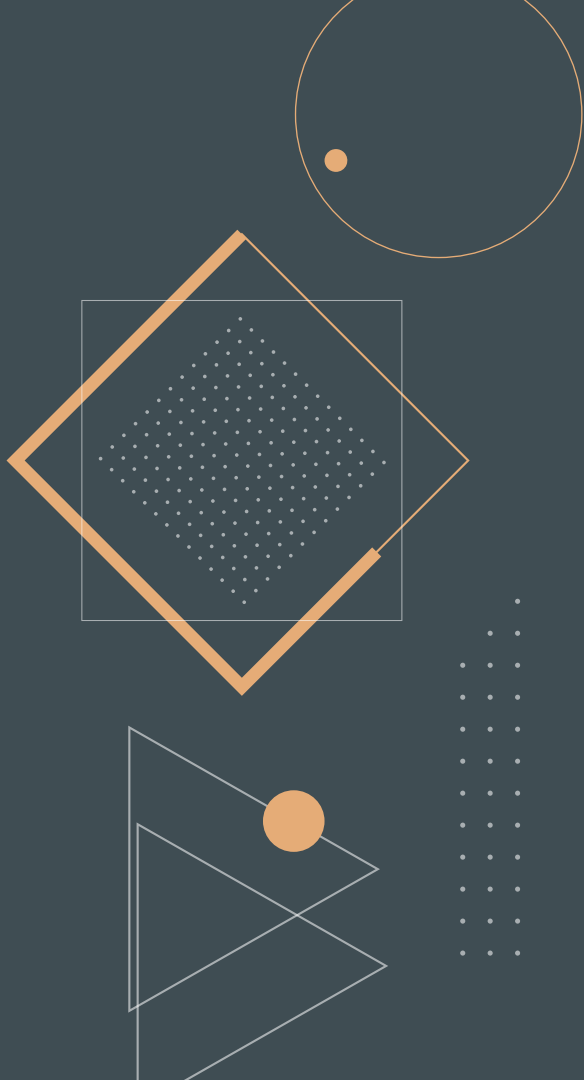
→ Navigate to ▾

Home-page-with-menu ▾

Instant ▾

State management ⓘ

Reset scroll position



03

Exercise!

In Class Exercises

Pair up! You will be working on your exercise frames individually but you can ask each other and us questions if you start to feel stuck.

Tips:

- **Keep it simple!** – as mentioned before, we primarily want to dictate layout and functionality
- **Create components** where necessary (i.e. elements that may be used more than once in the future) in order to make making changes easier

Open an individual video page

Interaction Goal: Clicking into the first video on the homepage will open a new page of that individual video.

1. On a new frame, the page structure should look the same except now there is one thumbnail component instead of a group of thumbnails.
 - a. Hint: Remember to reuse past components you have made.
2. Create a Subscribe button component and add it to the individual video frame.
3. On an initial home page frame, create an interaction for a user watching a video.

On the home page clicking the first video with or without the menu should lead to the new individual video frame.

4. Press the play button to display this interaction.

Subscribe & Unsubscribe

1. Earlier, you created a Subscribe button component. Similarly, create an Unsubscribe button.
2. Create a duplicated frame that is individual video but with the unsubscribe button.
3. Create an interaction for a user subscribing to the channel that posted the video they are viewing (Subscribe button changes to Subscribed)
4. Create another interaction for when the user unsubscribes (Subscribed button changes to Subscribe)
5. Press play to display the interaction.

Return Home

1. Create an interaction such that clicking the Youtube icon on the NavBar for all pages should lead back to the homepage without a menu.

Resources

- <https://www.figma.com/blog/how-to-wireframe/>
- <https://designlab.com/figma-101-course/introduction-to-figma/>
- [Figma for Beginners video](#)
- [Figma Documentation](#)
- **Components:**
<https://help.figma.com/hc/en-us/articles/360038662654-Guide-to-components-in-Figma>
- **Prototyping, Interactions, Flows:**
<https://help.figma.com/hc/en-us/articles/360040314193-Guide-to-prototyping-in-Figma>



04

Wrap-up +
Questions :)

Sign up!

figma.com → create a free account

Later. upgrade to a free education account



Products ▾ Enterprise ▾ Pricing Resources ▾ Community ▾ Log in

Get started for free

How you **design** 🖋️, **align** ⌘, and **build** 🚧 matters.
Do it together with Figma.

Get started

