



Pengembangan Web Praktik

UI/UX Design Essentials

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Materi perkuliahan

- 1 Perkenalan, Silabus, Pengenalan Konsep web dan server
- 2 Dasar UI/UX Design, Instalasi Flask
- 3 Integrasi, HTML & CSS Dasar
- 4 Integrasi Flask View Template
- 5 Integrasi Flask Bootstrap dan Mysql CRUD
- 6 Penerapan Session pada Flask
- 7 Responsi
- 8 Konsep microservices dan Rest API pada Flask
- 9 Migration Model CRUD Rest API pada Flask
- 10 Penerapan API JWT pada Flask
- 11 Integrasi Flask dan Javascript
- 12 JavaScript Custom Components
- 13 Presentasi Proyek Besar
- 14 Presentasi Proyek Besar

What is UI/UX?

Design approach to achieve the user goals



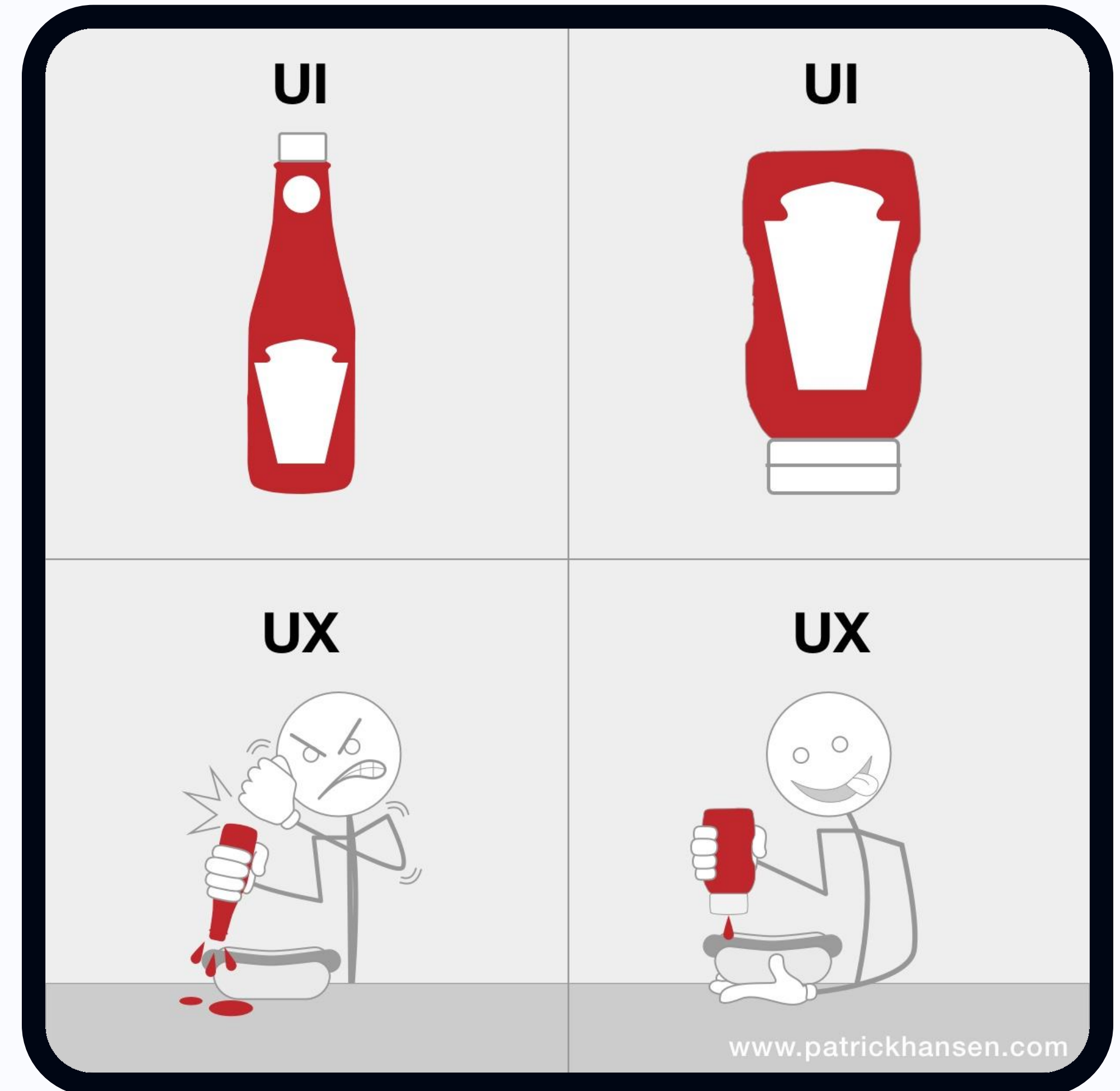
User Interface

Design solutions for what user see



User Experience

Design solutions for what user do



Fundamentals of design

Colors

Shapes

Typography

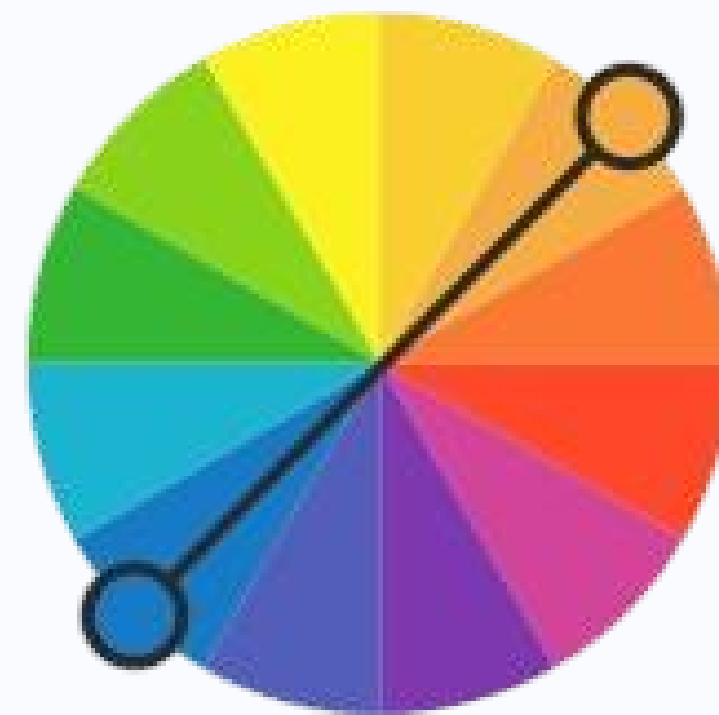
Images

Balance

What kind of Color harmony?



Analogous



Complementary



Triadic



Tetradic

What kind of
Typography?

Aa

Serif

Aa

Sans serif

Aa

Slab serif

Aa

Script

Aa

Display

Aa

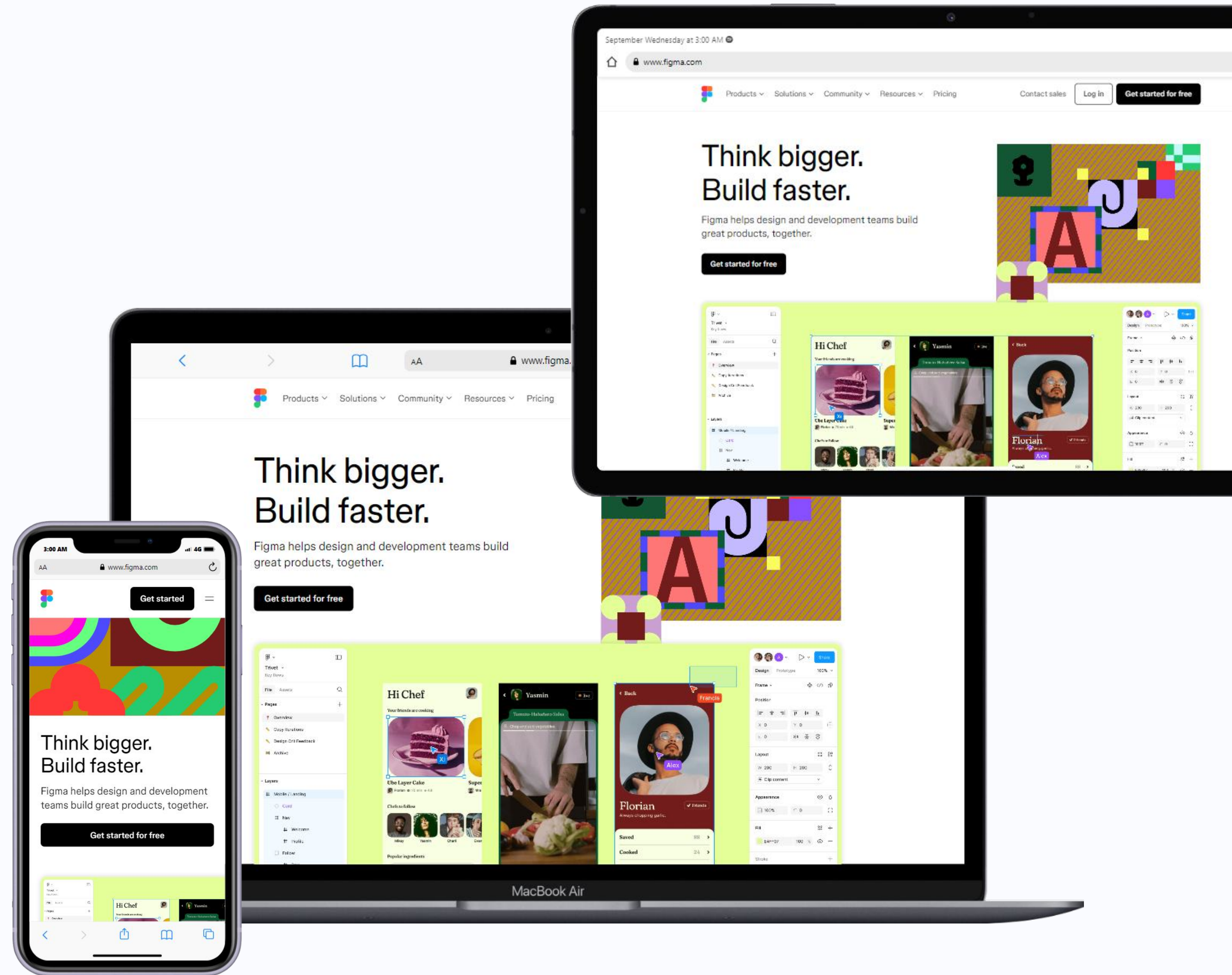
Mono

Responsive Web Design

Approach to web design that aims to make web pages **render well on a variety of devices** and window or screen sizes from minimum to maximum display size to ensure usability and satisfaction.

Example of Responsive Web Design

figma.com website taken at Sep 25th 2024



Mobile First Approach

Best Practice of Responsive Web Design



Media query breakpoints

Pixel values that developers use in CSS to create responsive web design

Breakpoint prefix	Minimum width
sm	640px
md	768px
lg	1024px
xl	1280
2xl	1536

source:  tailwindcss

Design Thinking

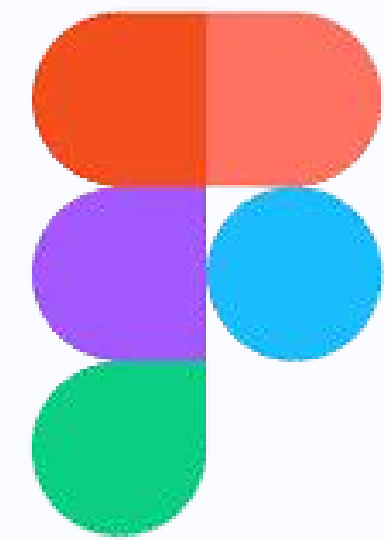
Empathize

Define

Ideate

Prototype

Testing



Let's dive into Figma...

Pengembangan Web Praktik

Tahun ajaran 2024/2025



Installation and basic usage of Flask

Pengembangan Web Praktik

Tahun ajaran 2024/2025