School of **Infocomm**

C219 Front-end Web Development

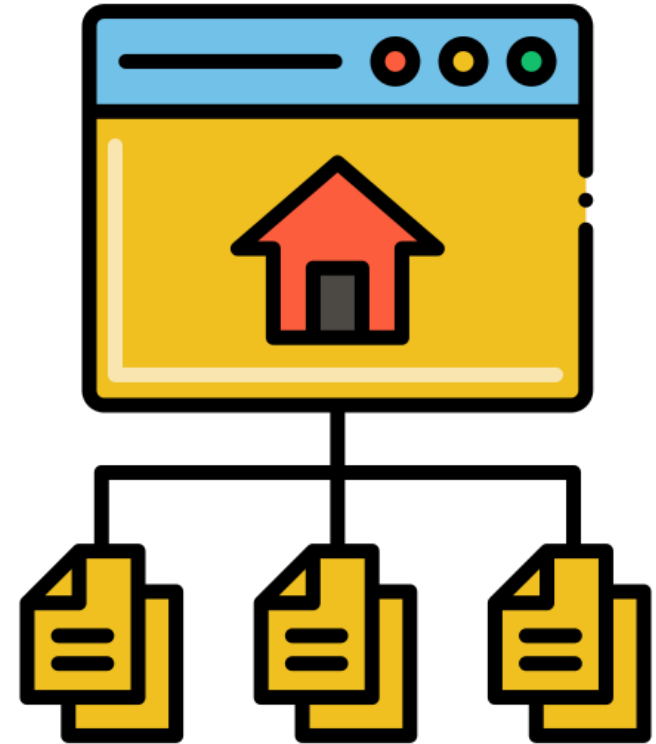# Lesson 2

Sitemap & Wireframe Design

Recap

Lesson 1

What is a Sitemap?

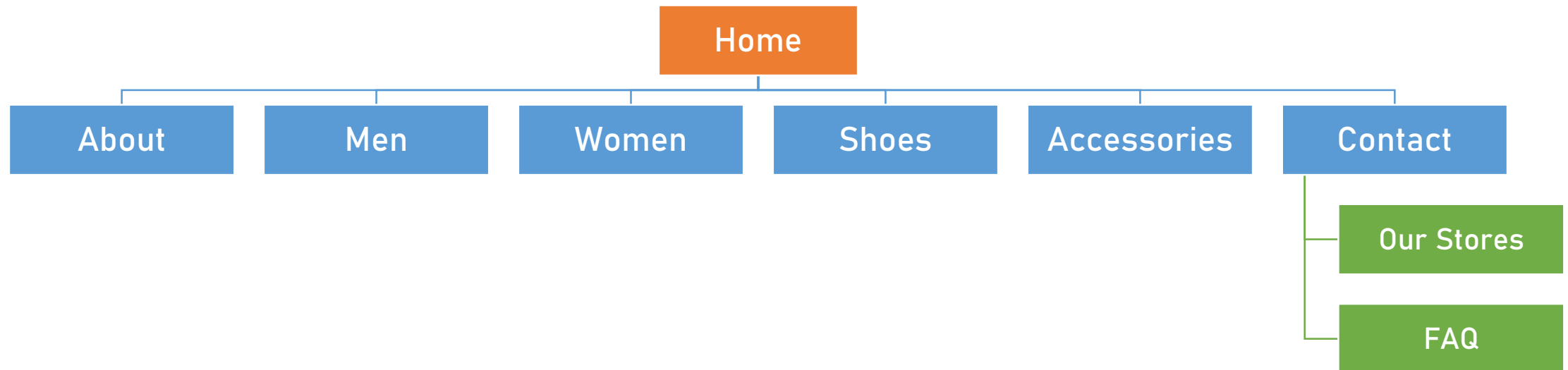A sitemap is a list of pages in a web site.

There are three main kinds of sitemaps:

1. Visual sitemaps used during the planning of a website by its designers.

2. Human-visible listings of the pages on a site.

3. Structured listings intended for web crawlers such as search engines.

Types of Sitemaps

Visual sitemaps are used during the planning of a website by its designers:

Types of Sitemaps

Human-visible listings of the pages on a site:

Apple Site Map

About Apple
Apple Leadership
Job Opportunities
Investors
Contact Apple
Legal
Choose Your Country or Region
Product Feedback

Where to Buy
Find an Apple Store
Shop Online
Find a Reseller
Why Buy iPhone from Apple
Apple Financial Services
Rebates
Refurbished and Clearance

Services
Apple Music
Apple TV+
Apple Arcade
iCloud
Apple One
Apple Pay
Apple Books
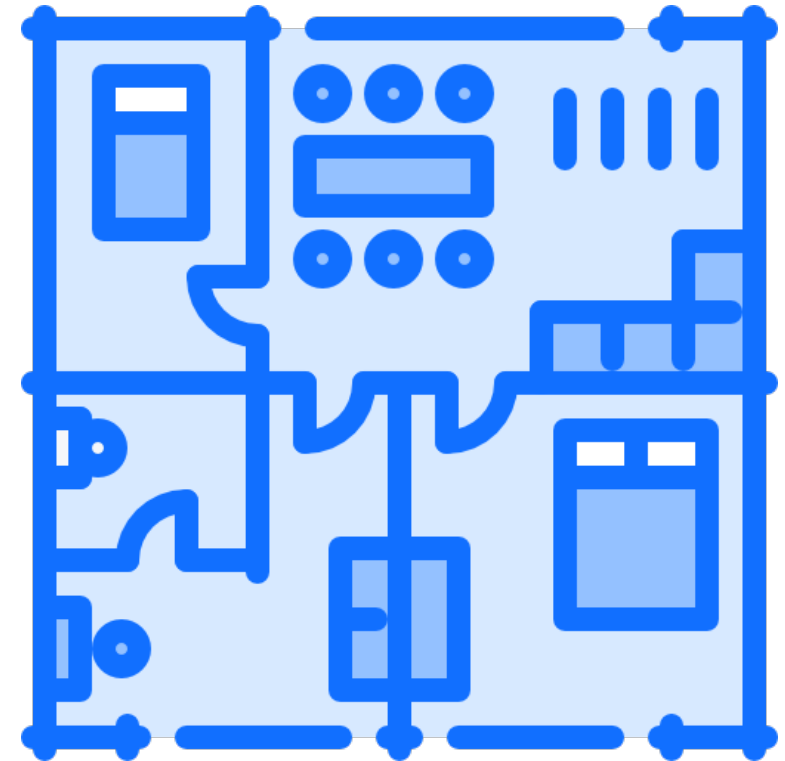Apple Podcasts

Types of Sitemaps

XML sitemaps intended for web crawlers such as search engines:

```xml
<?xml version="1.0" encoding="utf-8"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://www.sitemaps.org/schemas/sitemap/0.9 http://www.sitemaps.org/schemas/sitemap/0.9/sitemap.xsd">
    <url>
        <loc>http://example.com/</loc>
        <lastmod>2006-11-18</lastmod>
        <changefreq>daily</changefreq>
        <priority>0.8</priority>
    </url>
</urlset>
```

Advantages of a Sitemap

- Your sitemap serves as an architectural blueprint for your website.

- It is also a project management tool. It oversees the structure and connections between pages and subpages.

- A sitemap can be an effective planning tool that can help organise and clarify the content that needs to be on your site as well eliminate any unnecessary pages.
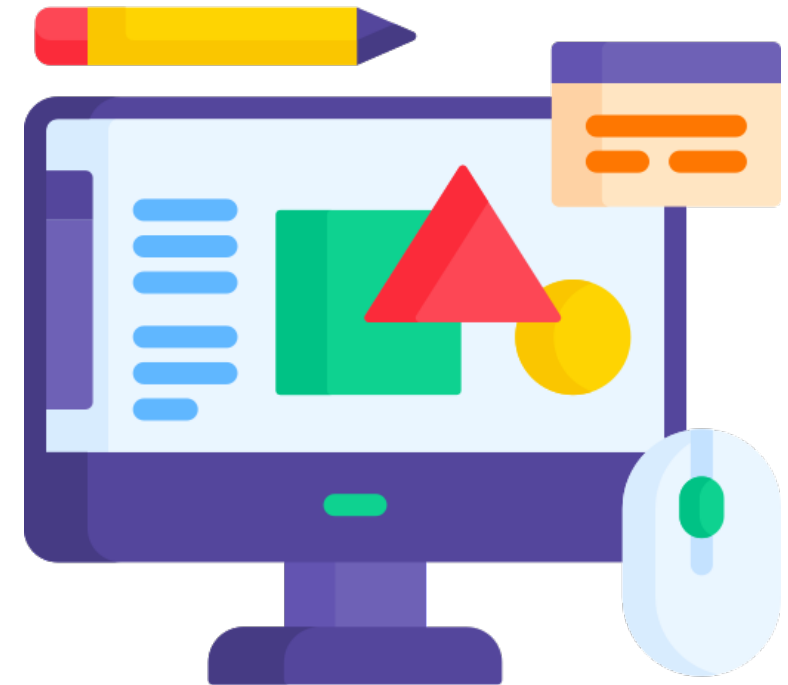
Sitemapping Tools

Web-based:

- Gloomaps – https://www.gloomaps.com

- Octopus.do – https://octopus.do

Software:

- Microsoft PowerPoint

- Microsoft Word

- Adobe XD

Exercise 1

Analyse this website:

https://vaccine.gov.sg

Using any tool you prefer, create an accurate visual sitemap for this website.
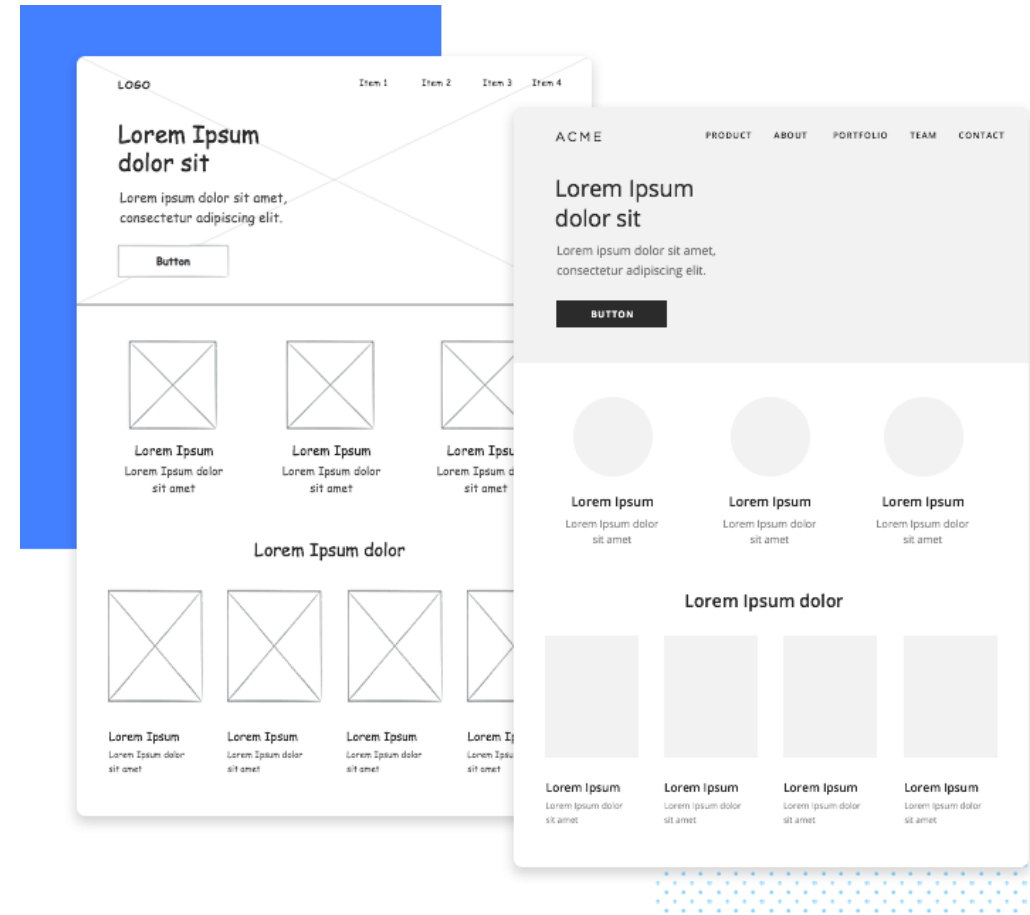
What is a Website Wireframe?

A website wireframe is a visual guide that represents the skeletal framework of a website. The wireframe depicts the page layout or arrangement of the website's content, including interface elements and navigational systems, and how they work together. The wireframe usually lacks typographic style, colour, or graphics, since the main focus lies in functionality, behaviour, and priority of content.
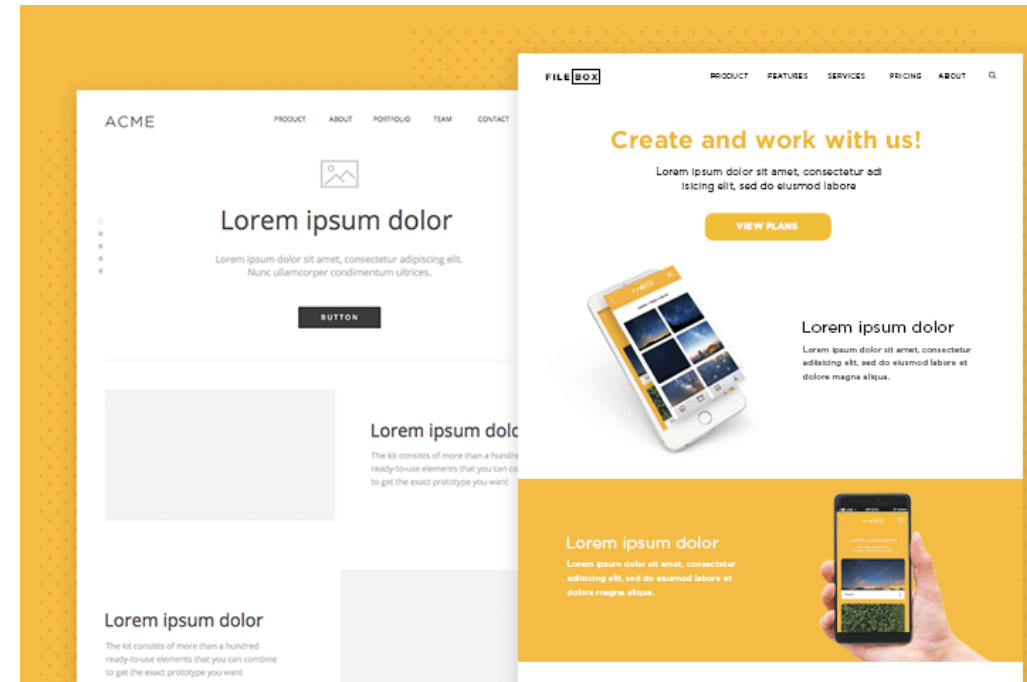
Types of Wireframes

Low-fidelity Wireframes

Resembling a rough sketch or a quick mock-up, low-fidelity wireframes can be quickly produced. These wireframes help a project team communicate ideas and collaborate more effectively since they are more abstract, using shapes and labeling to represent content. Low-fidelity wireframes can be used to facilitate team communication on a project and is used in the early stages of a project.

Types of Wireframes

High–fidelity Wireframes

High fidelity wireframes are more complete representations of the end product than low fidelity wireframes. High fidelity wireframes include more real content, specific typography choices, and information on image dimensions. High fidelity wireframes are often built in the advanced stages of the design process to communicate design decisions to the development team prior to coding the final product.
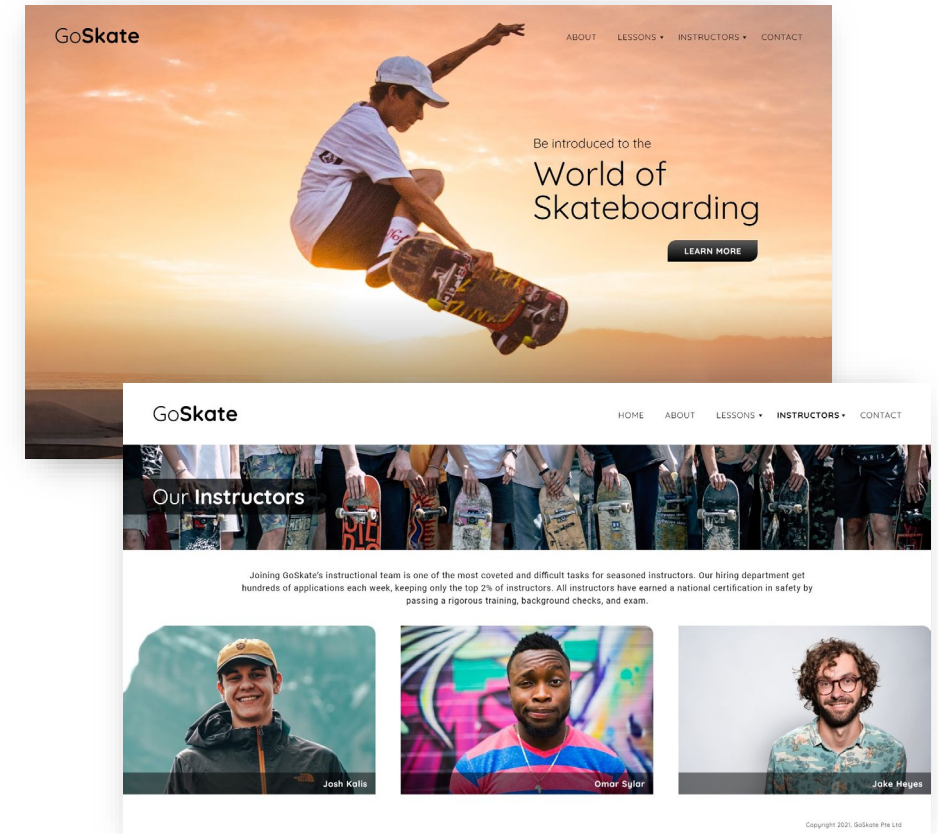
Exercise 2 (Teamwork)

Using Adobe XD, design wireframes for a company that offers skateboarding lessons.

Requirements:

- Page width must be 1920 pixels wide. Height can vary.

- Include interactions so that you can go from one page to another

- You are not allowed to use UI Kits or Plugins

- Each student must design one page

- Graphical and textual content is up to your creativity

- Save your file in XD format for submission (see next slide)

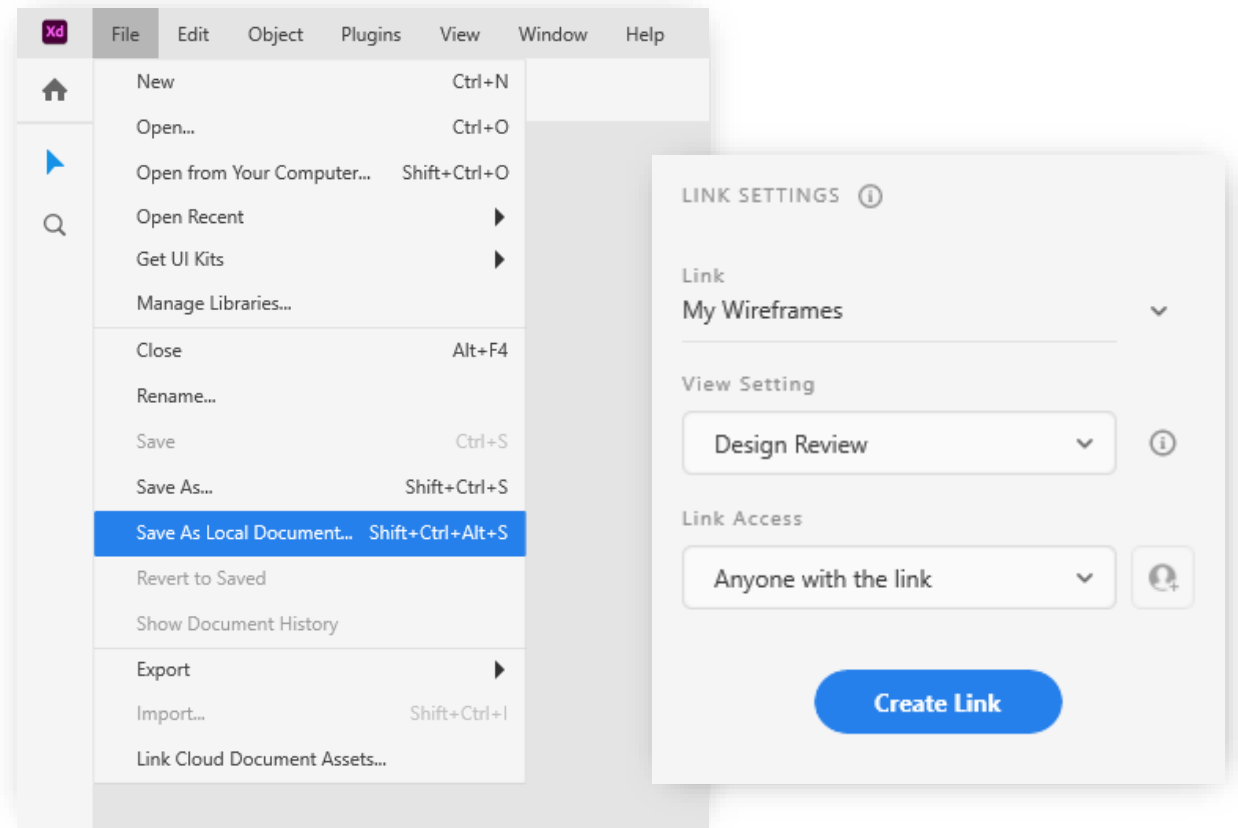- Share your Adobe XD link in your RJ (see next slide)

Examples

Adobe XD Saving and Sharing

How to save your file in XD format:

- Go to File

- Click Save As Local Document…

How to share your XD file:

- Go to Share

- Click the Create Link button

Resources

Design inspiration:

- https://pvskateboarding.com

- http://www.schoolofskate.co.uk

Image resources:

- https://unsplash.com

- https://pixabay.com

Adobe XD interactions tutorial:

- https://www.adobe.com/sg/products/xd/learn/get-started/add-interactions-to-prototypes.html

Deliverables

Individual Submission:

- Exercise 1

- Exercise 2 (Your individual wireframe)

- Problem Statement
  - Visual sitemap
  - High-fidelity wireframes for three pages (Adobe XD file and link) – Home, Product and one other page

Team Submission:

- Exercise 2 (To be submitted by team leader only)

Others:

- Reflection Journal

- Quiz 3:30 to 4:00pm

**Submit all deliverables
by 2359 today**