



Royal University of Phnom Penh



Faculty of Engineering
Department of IT Engineering

Project Research

Prototype

Lecturer : Chhorn Sylun

Group : 4 ITE-G8-A

Group members:

Yoo Seryvathana

Pech Sovathana

Peov Visoth (Presenter)

Borin Reachvimean (Presenter)

Veiy Sokheng

Lim Hormenh (Presenter)

Rin Somnang (Presenter)

Pok Tepvignou



Table of Contents

Points for discussion

Introduction of UX/UI

Figma

Webflow

Adobe XD

Evaluation

Introducing to UX/UI

What is UI?

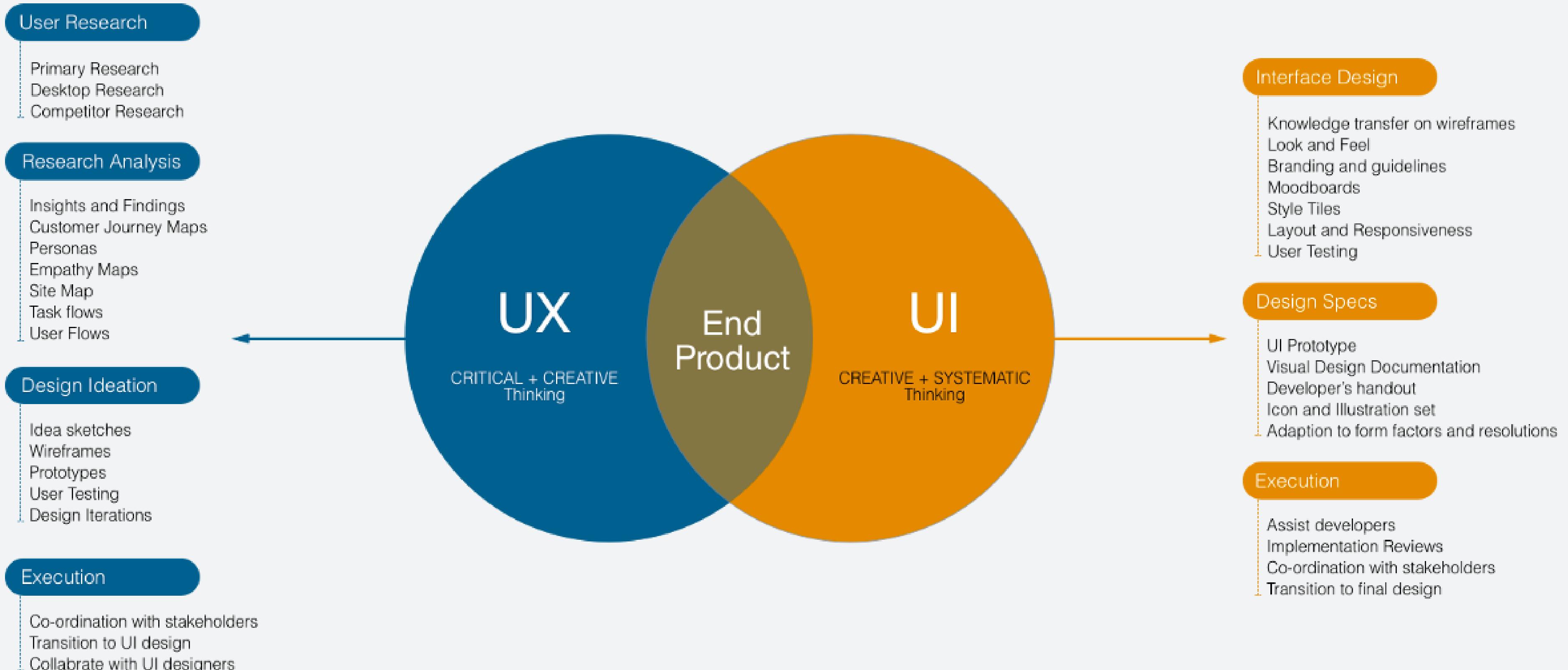
The “UI” in UI design stands for “user interface.” The user interface is the graphical layout of an application. It consists of the buttons users click on, the text they read, the images, sliders, text entry fields, and all the rest of the items the user interacts with. This includes screen layout, transitions, interface animations and every single micro-interaction. Any sort of visual element, interaction, or animation must all be designed.

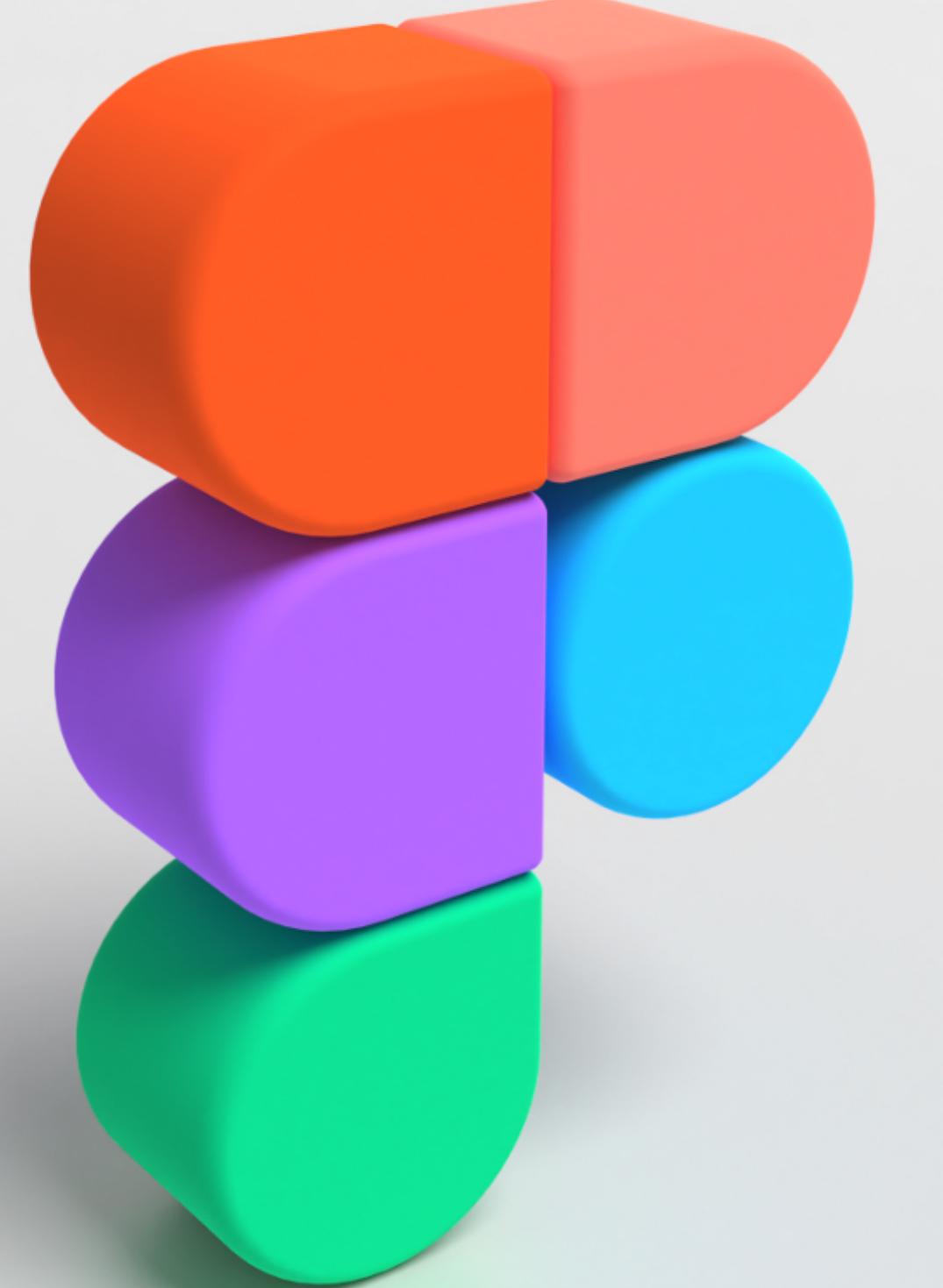
Introducing to UX/UI

What is UX?

“UX” stands for “user experience.” A user’s experience of the app is determined by how they interact with it. Is the experience smooth and intuitive or clunky and confusing? Does interacting with the app give people the sense that they’re efficiently accomplishing the tasks they set out to achieve or does it feel like a struggle? User experience is determined by how easy or difficult it is to interact with the user interface elements that the UI designers have created.

What's the different?





Figma

Figma is a collaborative web and desktop application for interface design for Mac OS and Windows.

The feature set of Figma focuses on user interface and user experience design, with an emphasis on real-time collaboration. The Figma mobile app for Android and iOS allows viewing and interacting with Figma prototypes in real-time on mobile and tablet devices.

Detail by Lim Hormen

Advantage

- Real-time Collaboration
- Quick and Easy File sharing with link url
- Cloud base
- Provide a free plan
- All tools in Design, Prototype, plugin and hand off to software developers

Disadvantage

- You might need to be online to work with (No internet no figma).
- It has limited features to work with.
- Problem involving with caches.
- Everyone can CLAIM your file as the owner. So be wise.

Why use Figma?



- Figma is one of the latest version for interacting with UI/UX Design.
- Awesome prototyping, layout, great components
- Easy to use and learn than other applications.



BEST USE IN MOST CASES

- Most common usages for Figma, when they want to design user interface interact with web or mobile design. It's so powerful for Design Teamwork or any collaboration.



MINIMUM COMPUTER SPEC FOR USAGE

For desktop application

- 4GB of RAM
- Intel HD 3000 Graphic Card

Why use Figma?



PRICE

- Figma is a free online ui tool for creating and collaborating, prototype. Even though it's open source, but if you want a premium it needs to be paid. The pricing for Figma starts at \$15 per user per month and It has 4 different plans.

<p>Starter</p> <p>Free</p> <p>Forever</p> <ul style="list-style-type: none">✓ 3 Figma and 3 FigJam files✓ Unlimited personal files✓ Unlimited collaborators✓ Plugins, widgets, and templates✓ Mobile app <p>Choose Starter</p>	<p>Figma Professional</p> <p>\$12 per editor/month</p> <p>Billed annually or \$15 month-to-month</p> <ul style="list-style-type: none">✓ Unlimited Figma files✓ Unlimited version history✓ Sharing permissions✓ Shared and private projects✓ Team libraries✓ Audio conversations <p>Choose Professional</p> <p><small>Free for students and educators</small></p>	<p>Figma Organization</p> <p>\$45 per editor/month</p> <p>Annual billing only</p> <p>Everything in Professional, plus...</p> <ul style="list-style-type: none">✓ Org-wide libraries✓ Design system analytics✓ Branching and merging✓ Centralized file management✓ Unified admin and billing✓ Private plugins and widgets✓ Single sign-on <p>Choose Organization</p> <p><small>Contact sales</small></p>
<p>Enterprise</p> <p>For advanced security and more flexible controls, the Enterprise plan helps you scale design processes company-wide.</p> <p>Learn more</p> <p>\$75 per Figma editor/month</p> <p>\$5 per FigJam editor/month</p> <p>Annual billing only</p> <p>Contact sales</p>		



Demo



<https://www.youtube.com/watch?v=Cx2dkpBxst8>

Webflow

Webflow is a web application that lets you build and design custom websites on a visual canvas from complete scratch without a single line of code.

The web development platform has gained massive popularity over the last few years. Webflow gives you the ability to work with three coding languages- HTML, CSS and JavaScript without need to understand them.

Webflow was founded in 2013 by Vlad Magdalin, Sergie Magdalin and Bryant Chou in San Francisco, California.

Detail by Borin Reachvimean

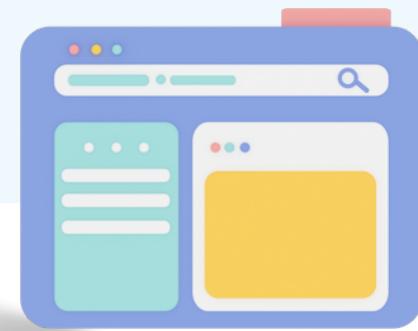
Advantage

- Webflow does not require any plugins
- With lots of features you need for web design, and website builder.
- Specifically, the design tools are very powerful and what you can do with code.
- Wide range of plans means a lot of customer choice.
- Secure host.
- Easy to use, relative to powerful features.

Disadvantage

- Limited customization.
- The pricing plans may seem confusing. You may find it challenging to choose a plan that suits your business.
- Webflow does not offer a mobile app to make edits to the content and design. Anything that you wish to change on your site must be done through a desktop or laptop.

Why use Webflow?



- Webflow is the best platform for building websites, lets you work with code visually, in a familiar UI.
- Webflow makes responsive design 10x easier.
- Webflow makes it way easier to illustrate your interaction ideas.
- Webflow CMS lets you design hundreds of pages at once.



TIME SAVING

- Webflow is easy to learn.
- It can be slow and fast, The slowest Webflow website in this analysis takes more than 27 seconds to load. However, the fastest Webflow website loads in 0.5 seconds.



MINIMUM COMPUTER SPEC FOR USAGE

- 1 GB RAM
- CPU: 2 cores
- Windows XP, 7, 8 or 10 and Windows 11.

Why use Webflow?



PRICE

- Webflow is free for students and educators.
- Free Starter Site plan is great for trying Webflow. Purchase a paid Site plan to publish, host, and unlock additional features.

The screenshot shows the Webflow pricing page with four site plan options:

Site Plan	Price	Billing	Description	Domain Options	CMS Items	Form Submissions	Bandwidth	Editors
Starter	Free		Best for learning how to use Webflow	webflow.io domain	50 CMS items	50 form submissions (lifetime)	1 GB bandwidth	Start for free
Basic	\$14/mo	billed yearly	Best for launching a simple site	Custom domain	0 CMS items	500 monthly form submissions	50 GB bandwidth	Add Site plan
CMS	\$23/mo	billed yearly	Best for a blog or other content-driven site	Custom domain	2,000 CMS items	1,000 monthly form submissions	200 GB bandwidth	Add Site plan
Business	\$39/mo	billed yearly	Best for a high-traffic marketing site	Custom domain	10,000 CMS items	2,500 monthly form submissions	400 GB bandwidth	Add Site plan



Demo



[https://www.youtube.com/watch?
v=o0KmjGd6jw&ab_channel=Webflow](https://www.youtube.com/watch?v=o0KmjGd6jw&ab_channel=Webflow)

Adobe XD

Adobe Experience Design aka Adobe XD, is a vector tool design for web and mobile application. Adobe XD was developed by Adobe Inc. Its first release for macOS on March, 14, 2016 and later they released for Windows 10 on Dec, 13, 2016.



Detail by Poev Visoth

Advantage

- It can create user interfaces for mobile and web applications.
- It provides many features and functionality aim to assist UX/UI designer productivity.
- It is easy to use with friendly interface.
- It can preview in real time of the design on mobile phone.
- It has cloud storage to store the design.
- It can share artboard to anyone with link.
- It is free for all user in limited function.

Disadvantage

- Unable to export into PSD file and poor file export.
- Can't customize any shape you want.
- Need to install many plugins if you need for functions and features.
- It works only for macOS if you want to preview real time on smartphone.
- It charges money for subscription plans to provide more functionalities.

Why use Adobe XD?



- Suit best for big companies with high quality products.
- Give users more productivity for their works.
- Lightweight application.
- Come along with cloud storage.



TIME USAGE

- New users will have hard time trying to understand and learn Adobe XD.
- Provide more speed if you master how to use it.
- Recommend for professional of UX/UI designers.

Why use Adobe XD?



PRICE

- 9.99\$/month (Individual)
- 22.99\$/month (small-medium team)
- Or you can buy all adobe product with 84.99\$/month (team)



MINIMUM COMPUTER SPEC FOR USAGE

- 4GB of ram
- 13 inches display size
- Low GPU needed
- 10GB for storages



Demo

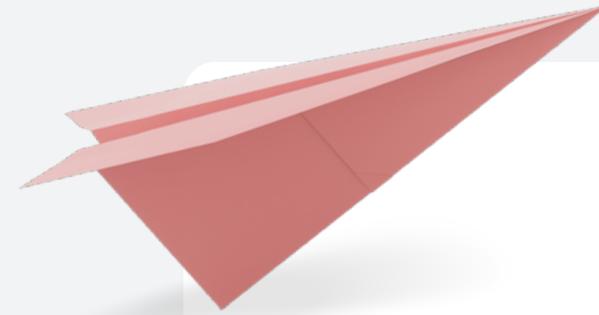


https://www.youtube.com/watch?v=brYZ_2Pe-8&ab_channel=AdobeCreativeCloud

Evaluating

			
• User friendly	✓	✓	✗
• Features	✗	✗	✓
• Speed	✓	✗	✓
• Minimum system require	✓	✓	✗
• Cloud storage	✓	✗	✓
• Flexible and other platform	✓	✗	✓
• Price	✓	✗	✗

Detail by Rin Somnang



Do you have any questions?

Send it to us! We hope you learned something new.

