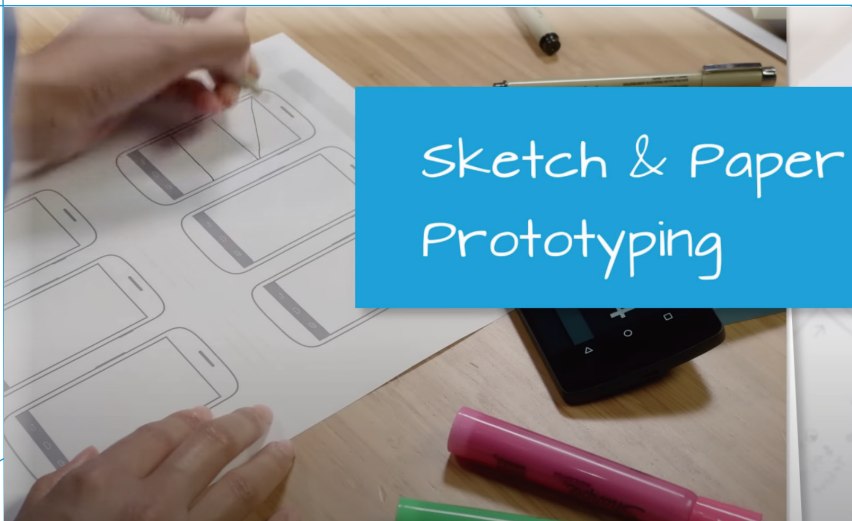


<https://www.youtube.com/watch?v=JMjozqJS44M>



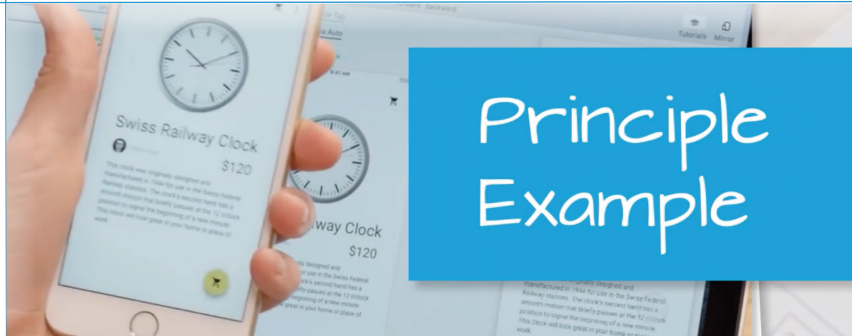
Sketch & Paper
Prototyping

01 Rapid Prototyping: Sketching



Paper
Prototyping

02 Rapid Prototyping: Digital



Principle
Example

03 Rapid Prototyping: Native

3R

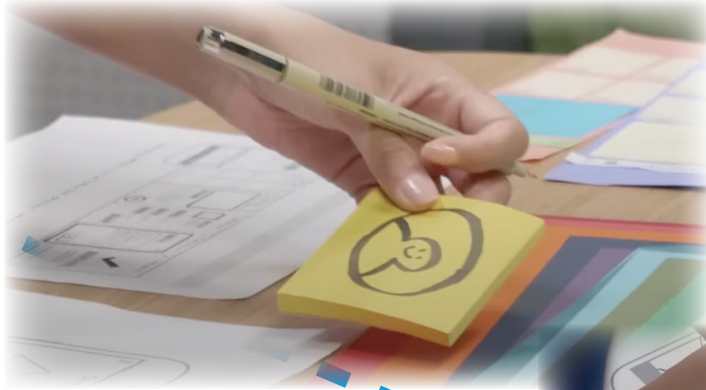
readings, research, reflections

Design and New Media ARTD61 15
Yijie Chen 336027618
Task 2

<https://www.youtube.com/watch?v=JMjozqJS44M>

<http://www.dandad.org/awards/professional/2020/233151/avatar-robot-cafe>

The Importance of Sketching



·Sketching is a fundamental part of design and can help you make key decisions at any design process in any form, e.g. post-it notes, draft paper.



·Sketches can be used as a vehicle for designers to brainstorm and present initial ideas for communication. Often layouts, wireframes, flows, buttons, colours, pictures, etc. can be implemented step by step in sketch form.

Benefits of Sketching&Prototyping



·Sketching can help designers visualise digital high-fidelity quickly, and even the more ideas that are sketched, the faster they can be converted into high-fidelity.

Benefits of Sketching&Prototyping

Primary color

When using a primary color in your palette, this color should be the most widely used across all screens and components.

Primary – Indigo	
500	#3F51B5
100	#C5CAE9
500	#3F51B5
700	#303F9F

Example of a primary color palette with variations for when a darker or lighter version of the color is needed

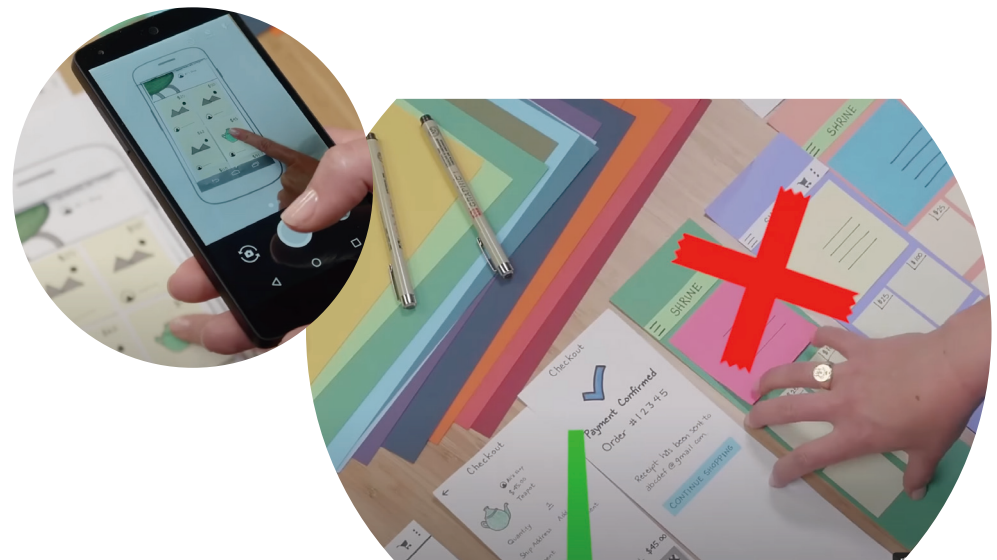
Secondary color

Palettes with a secondary color may use this color to indicate a related action or information.

The secondary color may be a darker or lighter variation of the primary color.

Accent – Pink	
A200	#FF4081
Fallback	
A100	#FF80AB

The Importance of Prototyping

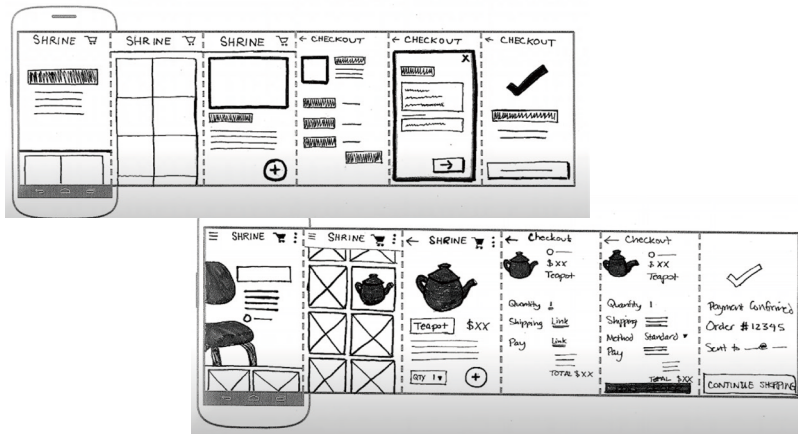


·Paper prototypes can simulate the interaction between the user and the screen, and better represent the details between the processes.

·The simulation process of recording paper models can better reproduce the interaction process, and multiple stills can be used to form a short animation to better share and communicate with people.

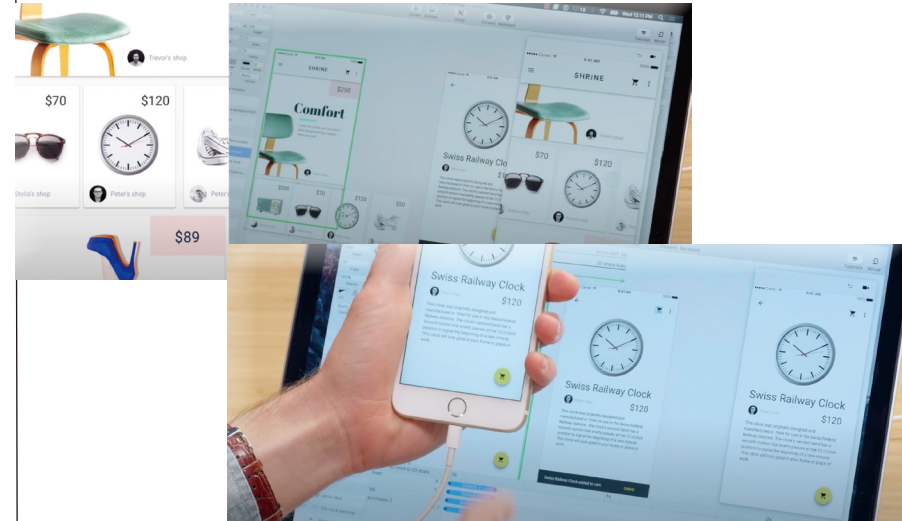
·Print or copy existing content and draw common elements can help designers explore natural transitions between screens.

The Importance of Digital

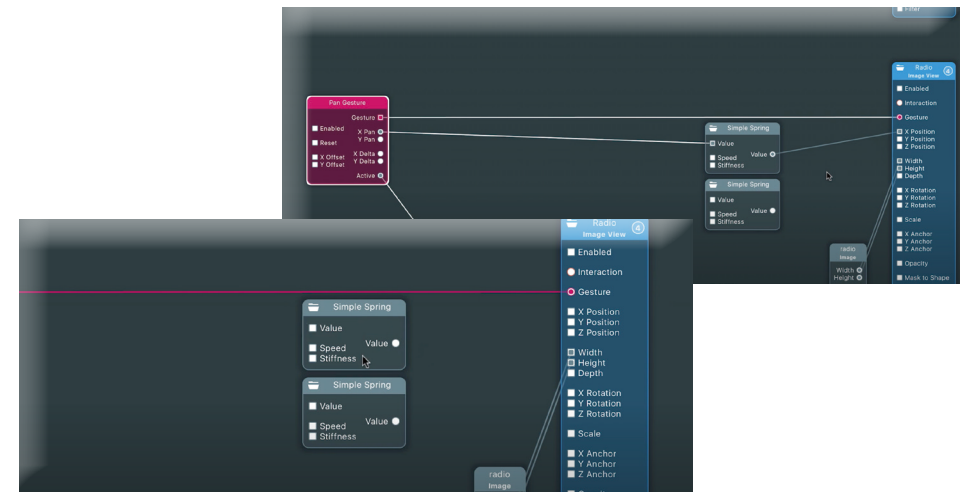


·Digital prototyping is the process of exploring ideas by building interactive experiences that can help designers explain abstract ideas in a practical way.

·Designers can realize digital prototypes with a variety of tools without coding, such as principles and forms.



Principle can achieve natural transitions between screens by connecting arrows and selecting the animation buttons that come with the board.

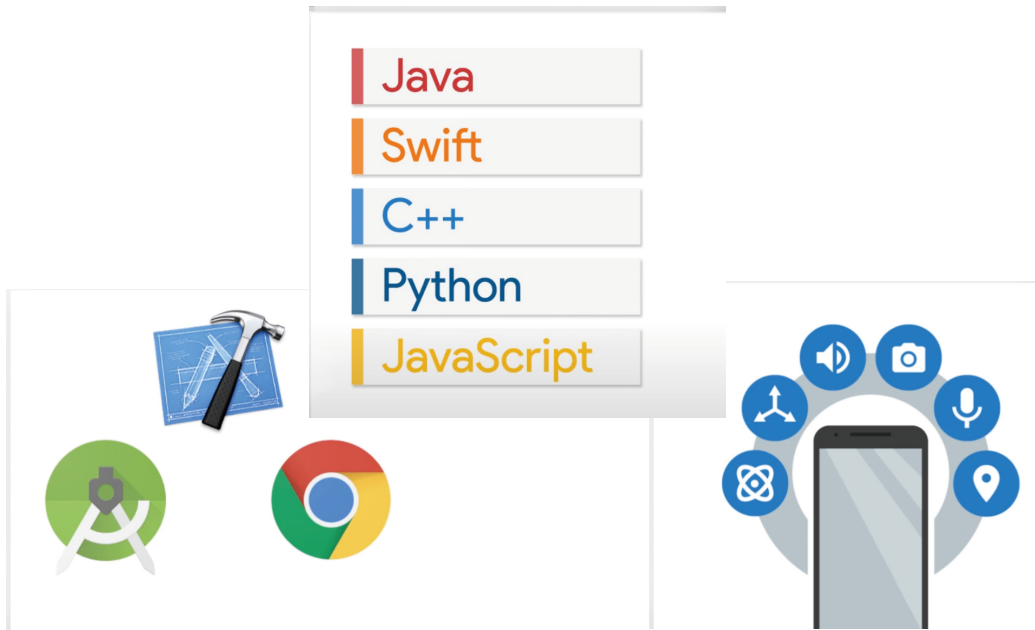


Form can help designers add some interactivity and gestures by connecting a series of patches and logic packs.

The Importance of Native Prototyping

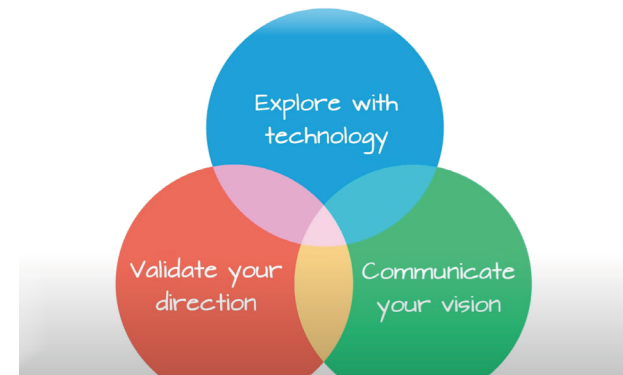
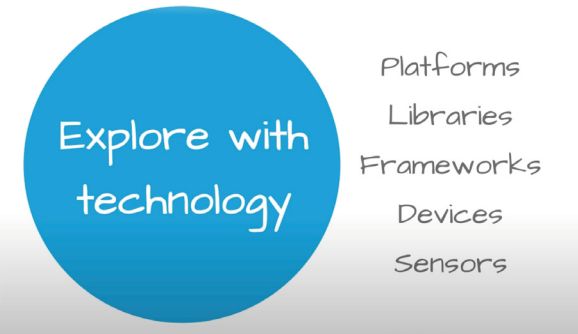
Technology

Native prototyping requires strong technical skills, using programming to graft products and devices from different systems.



hacker's mentality

Maintain a hacker's mentality, learning to abandon useless code, maintaining an exploratory mindset, and improving feedback on the user's experience with the product.



The Resource I think is useful for Prototyping

IDEO Design Thinking Toolkit for Educators

<https://www.ideo.com/thinking#tools>

This resource helps me understand how to approach prototyping, why it's a critical part of the design process, and how to use prototypes to test and refine ideas before developing a final product.

Comprehensive Overview:

This toolkit provides a complete guide to the entire design thinking process, including prototyping. It covers different methods of prototyping and demonstrates how it fits into the broader design process.

Practical Application: IDEO's resource offers practical advice, real-world examples, and exercises that can help you learn how to apply prototyping in a tangible way. The step-by-step guides ensure that users can implement the tools themselves.

Flexible Framework: The toolkit is adaptable for various fields—whether you're working on a product, service, or digital interface. This flexibility makes it valuable for designers from different industries.

Focus on Iteration: Prototyping, according to IDEO, is not a one-off process but an iterative one. The resource emphasizes creating low-fidelity prototypes that evolve based on feedback, which encourages rapid testing and refinement—key aspects of effective prototyping.

User-Centered: IDEO emphasizes the importance of human-centered design, ensuring that prototypes are always tested with users and refined based on real feedback. This focus ensures that prototypes are meaningful and solve actual problems.

Make Use of Tools



Words By Savannah Kunovsky, Evan Burton, And Esha Reddy

A Legal and Ethical Framework For Gen AI

Paving the way for experimentation that aligns with our values.



Tools

Experience Innovation: A Workshop for Teams

ExperienceInnovation is a workshop in innovation, giving teams meaningful experience with design thinking.



Tools

Design Thinking in Harvard Business Review

Tim Brown writes about how thinking designer can transform the way we business.

Perspectives, Practices, and Resources for Design Thinking

At IDEO, we're often asked to share what we know about design thinking. We've developed [designthinking.ideo.com](https://www.ideo.com/thinking) in response to that request.