

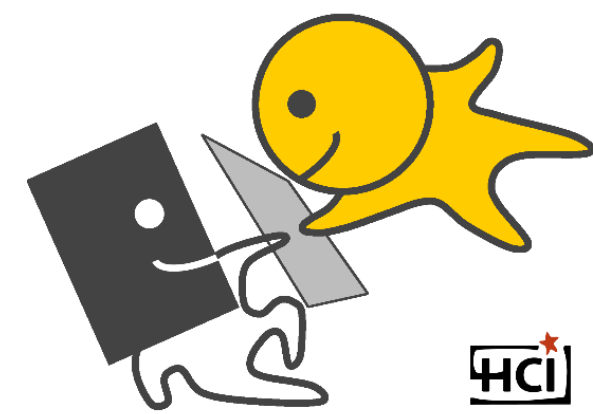
DualPad: Exploring Non-Dominant Hand Interaction on Dual-Screen Laptop Touchpads

Changsung Lim, Sangyoon Lee, Geehyuk Lee

Human Computer Interaction Lab (HCIL)
School of Computing, Korea Advanced Institute of Science and Technology (KAIST), Republic of Korea



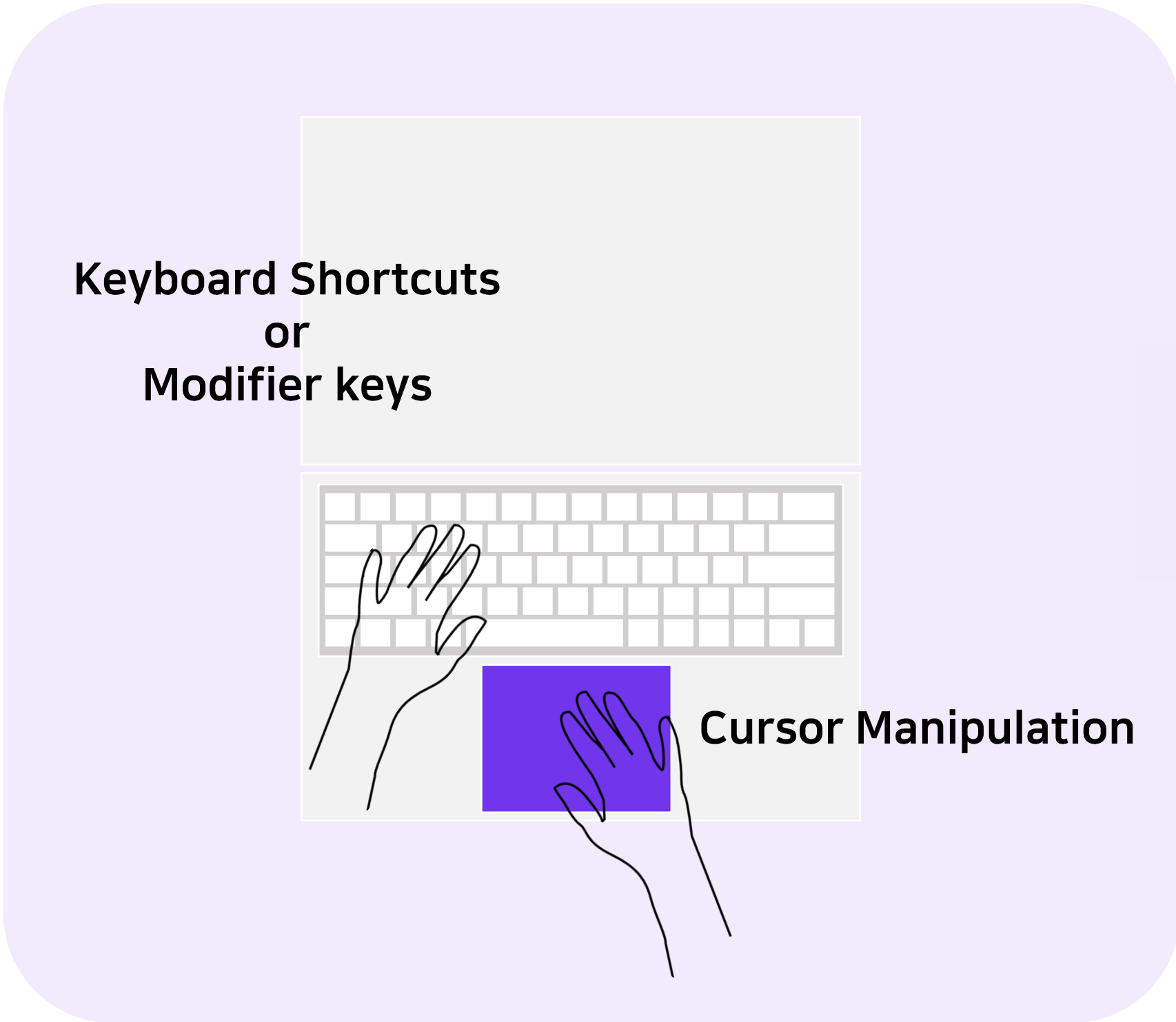
Hi!
See you soon



Dual-touchscreen laptops can provide a larger touchpad,
This larger touchpad allows us to use our non-dominant hand.
Then...

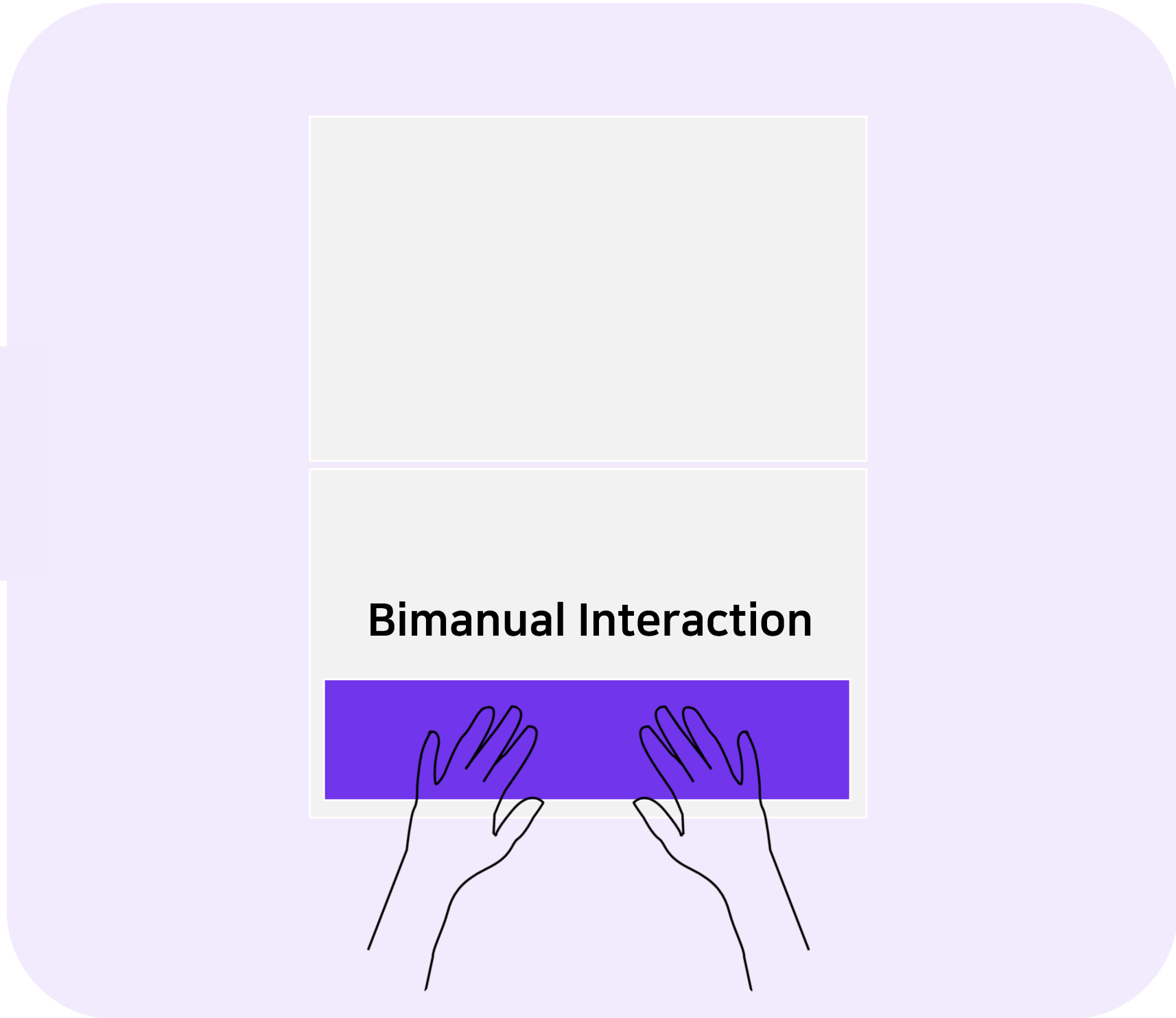
“ What would be the role of the **non-dominant hand**? ”

1 Traditional Role



It should support functions that users perform on single-screen laptops, and it can also enhance the functionality.

2 Advanced Role



It can support functions that are difficult to perform on single-screen laptops, such as bimanual interaction.

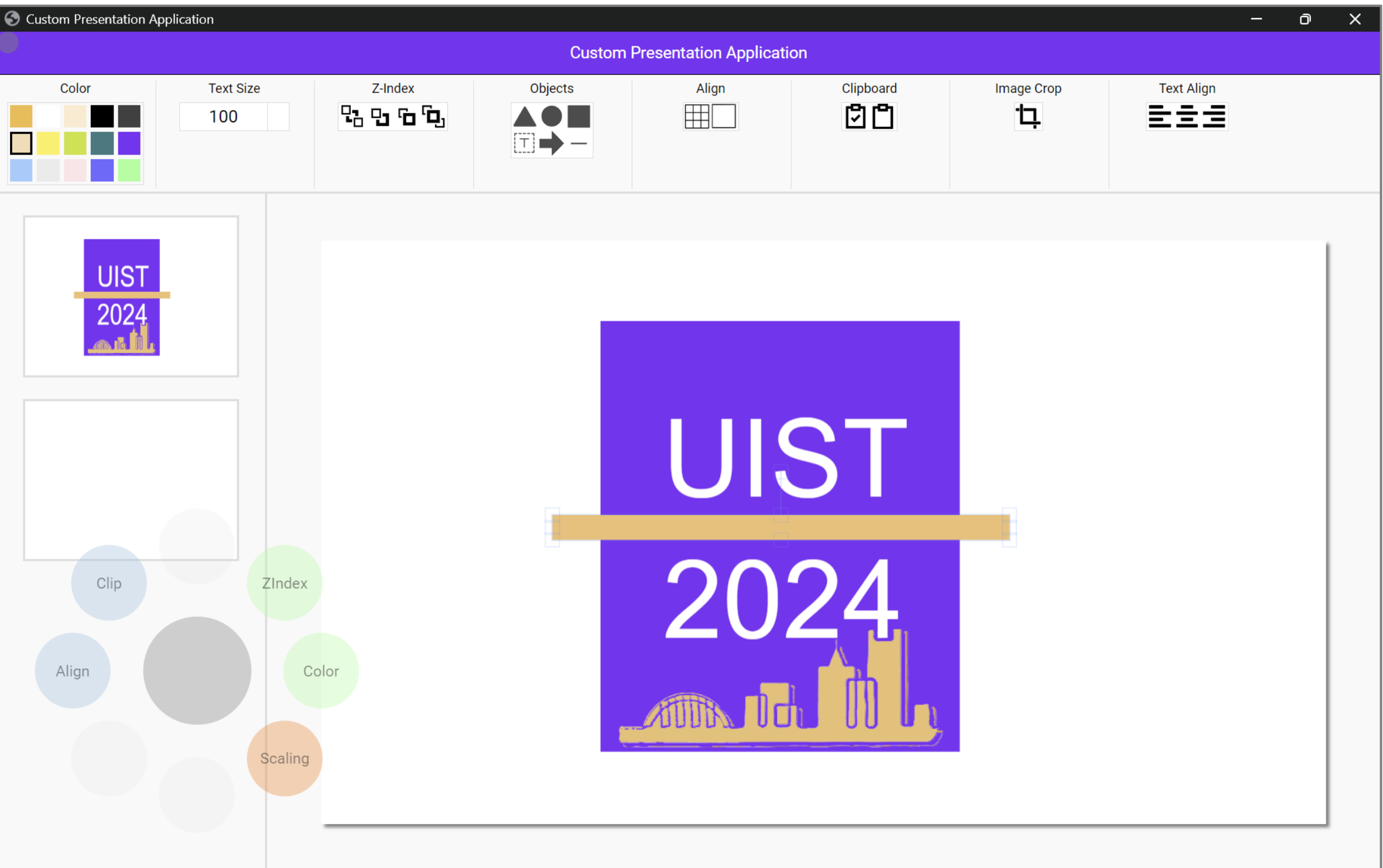
- 1 Touch Shortcut / Modifier
- 2 Dual Cursor

In the Demo...

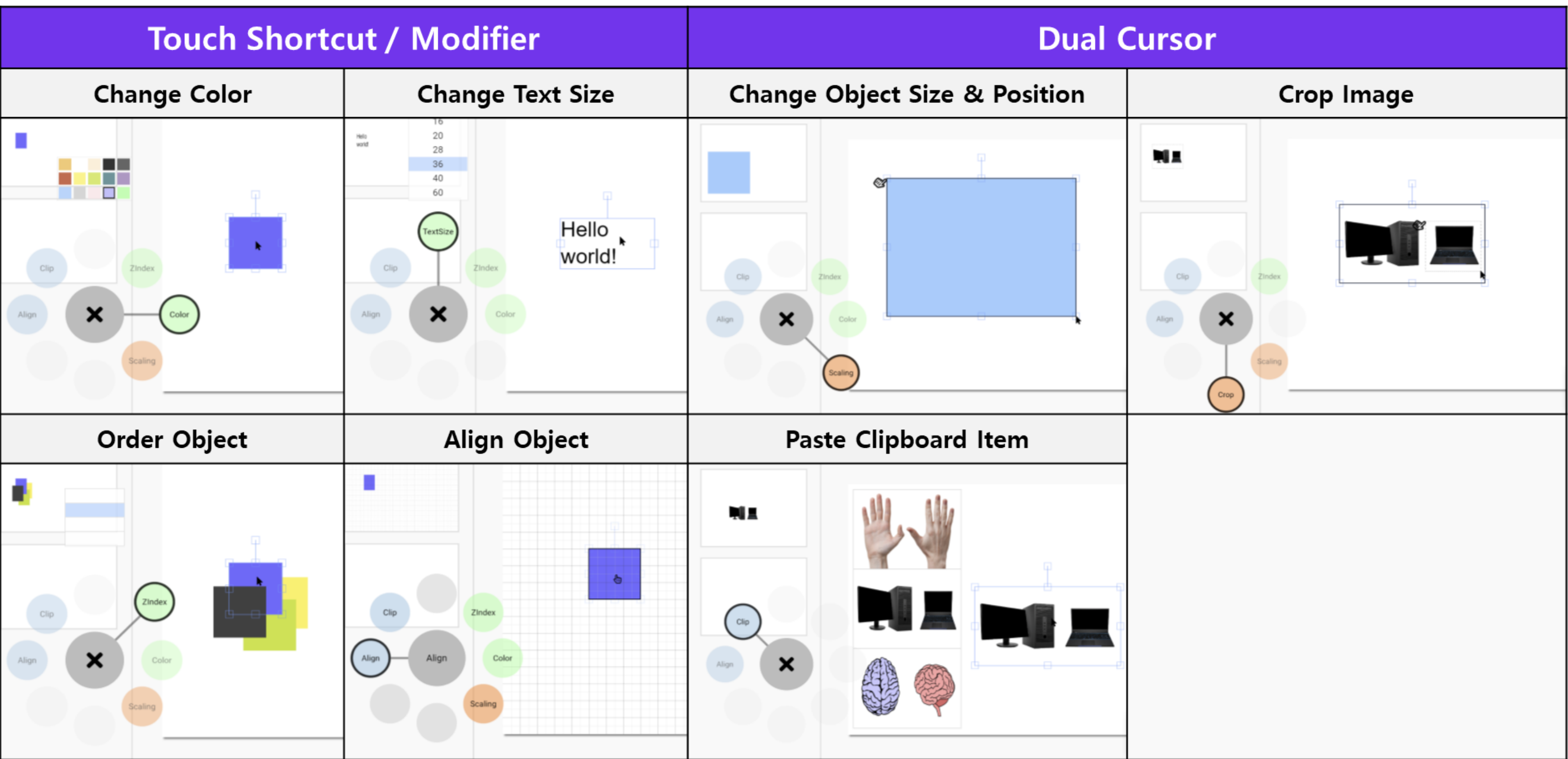
We are going to create the **UIST 2024 emblem logo** step-by-step using a custom presentation program.

Method 1) Utilize the built-in virtual touchpad and keyboard of the dual-touchscreen laptop.

Method 2) Make use of **DualPad** for the same task.



Custom Presentation Program



Supported Features