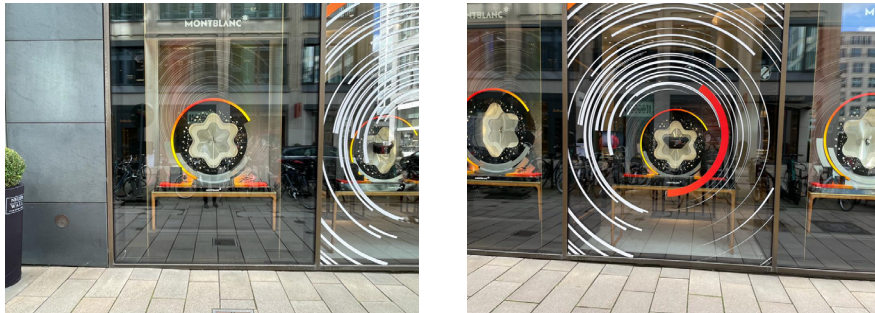


# Final Project Byron Wider and Door Kolkman: Montblanc Shopping Window

## Synopsis

The storefront we choose is the Montblanc shopping window in Hamburg\*. The elements we took from the images and implemented into our program were the big “portal” in the middle, as well as the Montblanc symbol to each side of the window including the star background and the coloured half-ring. If we are precise, we are also using the walkway in front of the store.



## Usage and Interaction

Item	Result
Left Symbol	Depending which point of the star is clicked, you can draw on the canvas, change colour values of the circle, spawn a swarm of angels, turn day to night, or if everything gets too much, reset the scene again.
Right Symbol	Increases and decreases the speed of the portal when clicked anywhere inside the symbol.

## Architecture

Classes	Description	Important Methods
LeftSymbol	Left Montblanc Symbol. This symbol has 6 buttons that can be pressed. Button 0 opens a pen tool which lets you draw on the canvas. Button 1 lets the stars shine brighter. Button 2 changes the colour of the circle around the symbol. Button 3 lets you change the time from day to night. Button 4 spawns angels and lets them emerge from the portal. Button 5 lets you reset the everything you did on the screen.	display(), update(), clicked(), activatePen()
RightSymbol	Right Montblanc Symbol. Slows down the portal on click.	display(), update(), clicked()
Storefront	Draws the storefront, with moving portal.	display(), update(), activateAngels(), resetAngels(), portalSpeed(), portalReset()
Surroundings	Draws the background of the scene, with a changing colour scheme based on time.	display(), update(), resetDay()
Button	Used to calculate if a point of the montblanc star was pressed and returns true or false.	isPressed()
Star	Shape of the star in the middle of the symbol.	display()
Circle	Draws the moving ring of the circle around the middle stars and has a star background.	display(), update(), changeColour(), resetColour()
Drawing	Creates the array filled with dots used for drawing on the screen.	display(), activated()
PortalParts	Used by Storefront to create the portal.	display(), update(), setNewSpeed()
Angel	Used by storefront to release a swarm of angels.	display(), update(), startTracking()
Eye	Eyes of the angel	display(), blink()
Wing	Wings of the angel	display()

\*sanctioned by Ansgar during the creature assignment discussion

