

Programming Final Assignment of Hidde Giesen s2747065

Synopsis

I chose Anne's IJssalon in Delden. I have included the most important visual elements of the building façade in my program such as the lantern, planters, sunscreen, opening sign and the ice cream inside.

Usage and interactions

I've made sliders to control time of day and weather and by using those you can make different combinations of things happen with the shop.



Weather Slider (can be dragged with mouse)	Sunny	The sky is bright and the sunscreen is opened if the time is in between opening hours.
	Cloudy	The sky turns dark and the sunscreen closes if it was opened before. And the shop opens if it is between opening hours and it was raining before.
	Rainy	Rain starts falling from the sky, the shop closes if it was daytime, the sunscreen closes if it wasn't already and the lantern turns on.
Time Slider (can be dragged with mouse)	Automatic	Time progresses slowly during the day.
	Daytime	Background color is a bright blue.
	Twilight	A low opacity overlay is turned on to make the building etc a bit of a darker color and the background turns a dark blue.
	Night time	The same overlay is active and the background turns a very dark blue.

Architecture

All important functions/methods.

- background.update_time()
- background.update_weather()
- shopfront.update()
- shopfront.display_static()
- shopfront.display_shop_overlay
- background.display_weather()
- background.display_overlay()
- sliders.display()

All classes

- Background Responsible for weather and time update, displaying weather and displaying the dark overlay.
- Shopfront Includes all information about the shop and animation thereof.
- Sliders Responsible for time and weather slider.

