

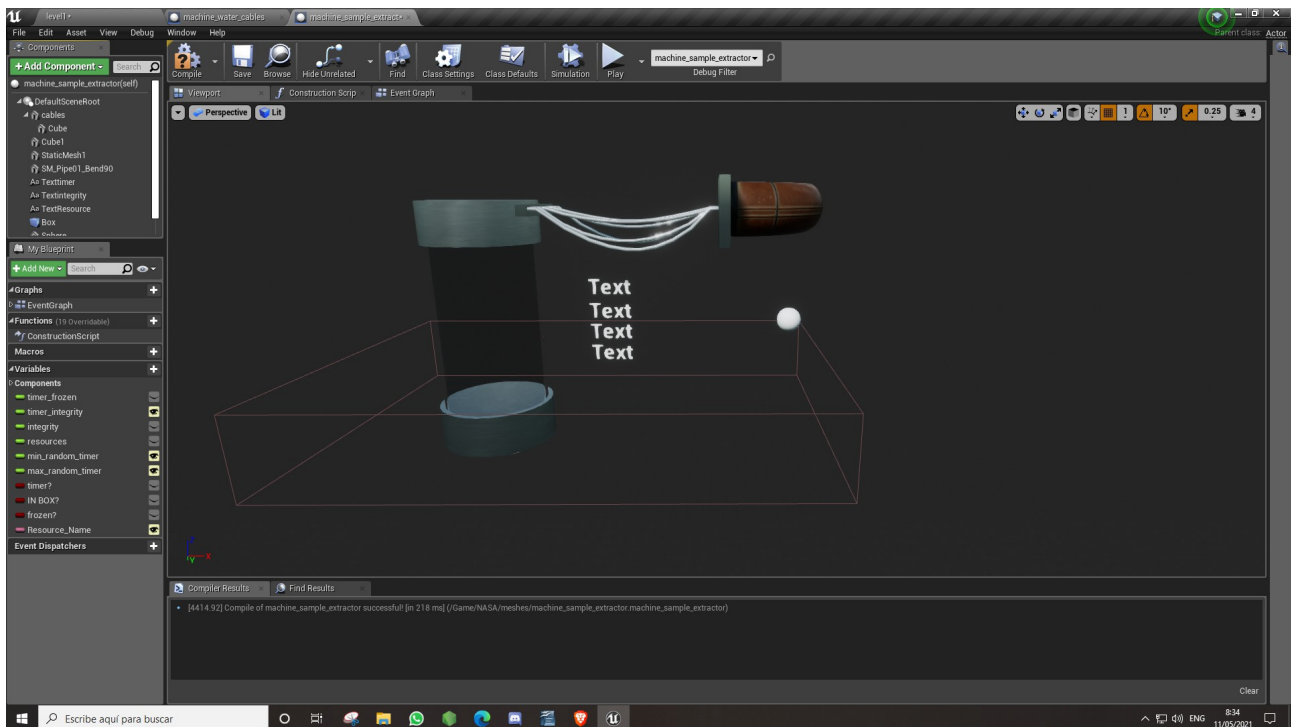
Resources Gathering BP

A concept on the Mars simulation is to collect resources from Mars for the development of the colony, many games already exist with the premise of farming and gather different kind of resources for both build and eat, with that idea in mind was made a blueprint to gather water.

For the concept was placed the next rules:

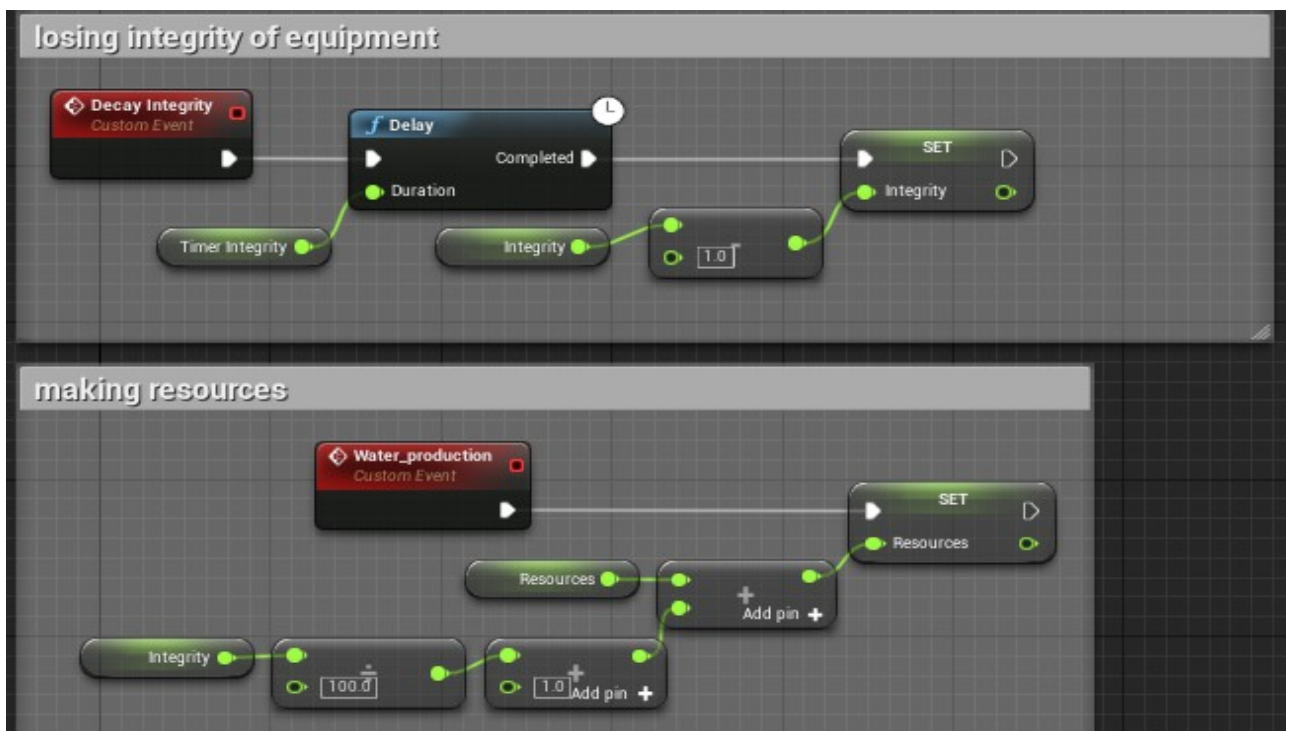
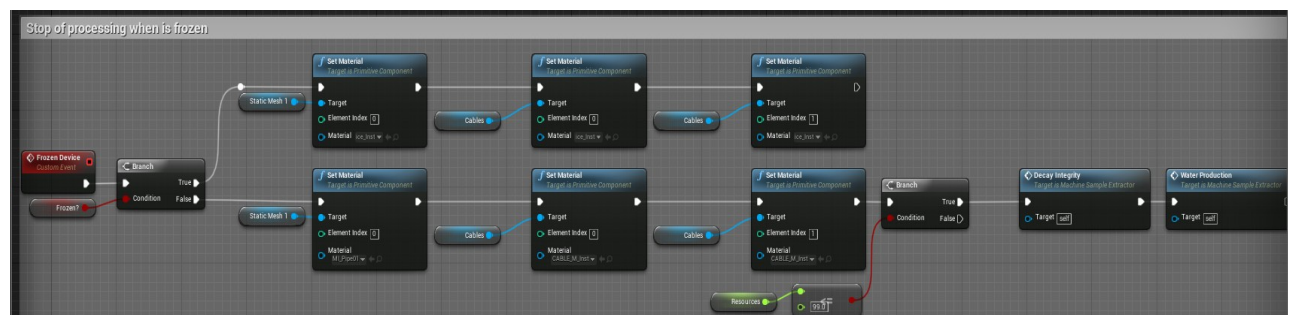
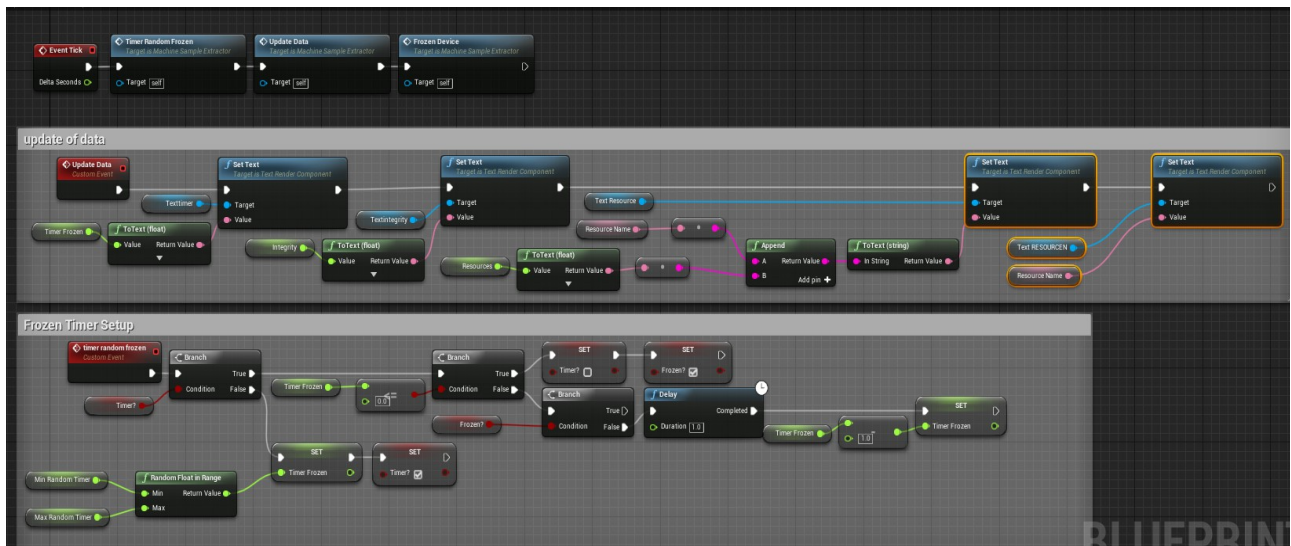
1. By an amount of time T (x.xxx Seconds) will start and accumulate resources.
2. Will keep collecting until it reaches the limit (Example 100) then it will stop.
3. Until is collected and empty the container of the resource gatherer will not be getting more.
4. A timer will be set to simulate a malfunction (in case of water getting frozen the pipes) that will stop the process to gather the resources and will need to be fixed or reset.
5. Interaction for the fixes on the resource gatherer will resume the progress before the malfunction.

With the design of the blueprint was used geometry shapes (cylinder) and some free assets from the Unreal Engine Marketplace.

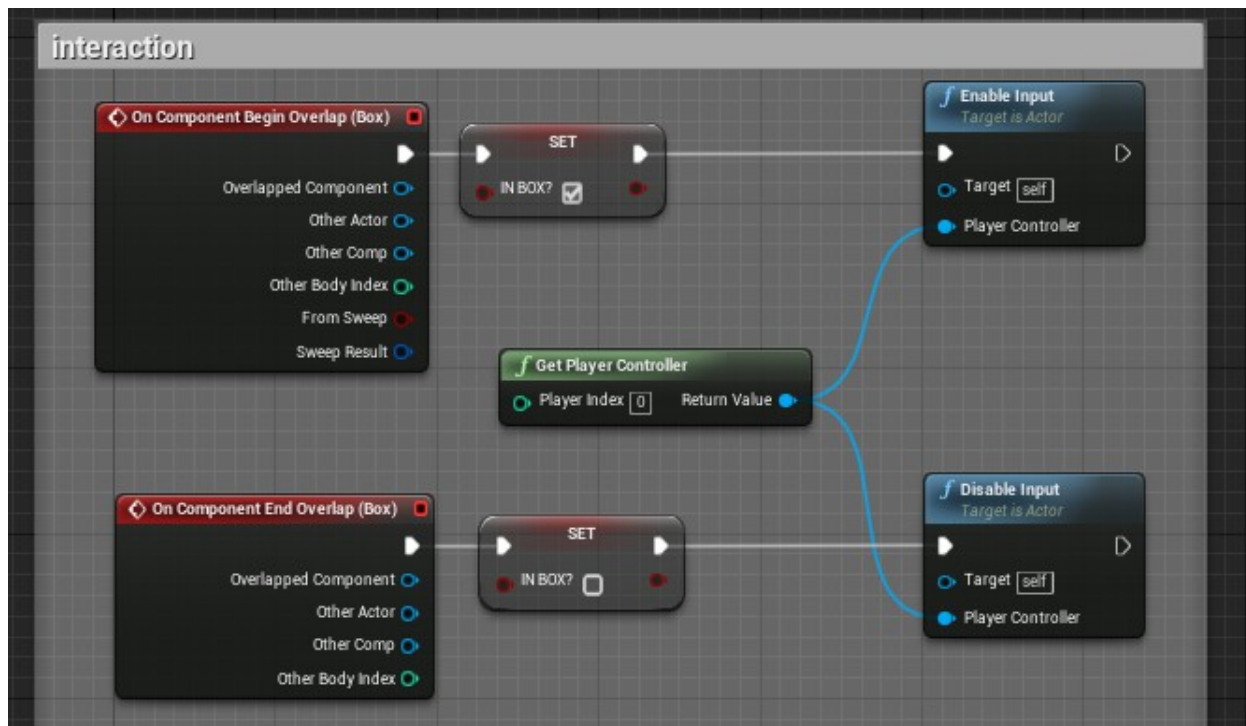


For the variables to work this blueprint have been floats, bools and text listed down below

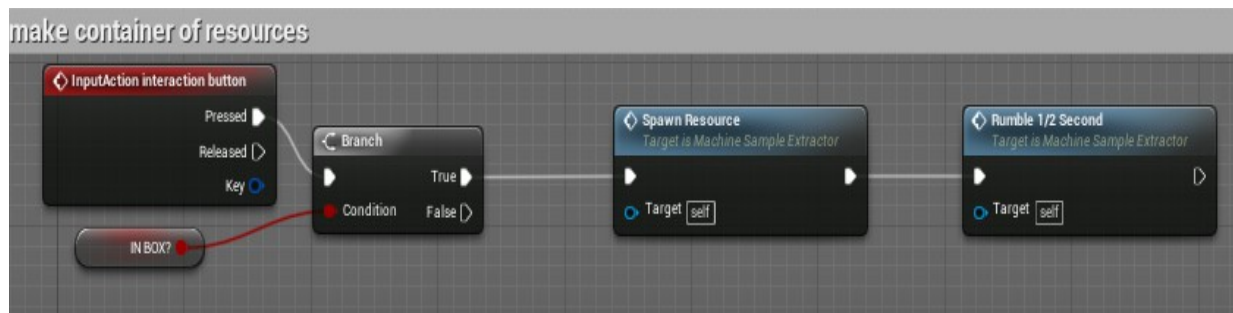
Name	Type	Purpose	Example
timer_frozen	float	Countdown for malfunction	30,5
timer_integrity	float	Loss of integrity over time	3,5
integrity	float	Current integrity of the device affected by previous float	99,8
resources	float	Ammount gathered by the machine	99,99
min_random timer	float	Minimum time to get malfunction	15
max_random_timer	float	Maximum time to get malfunction	95
Timer?	bool	Check when the malfunction is true to stop gathering	False
IN BOX?	bool	Check if player is close enough to interact	True
Resource_Name	Text	Name of specific resource	Sand from Mars



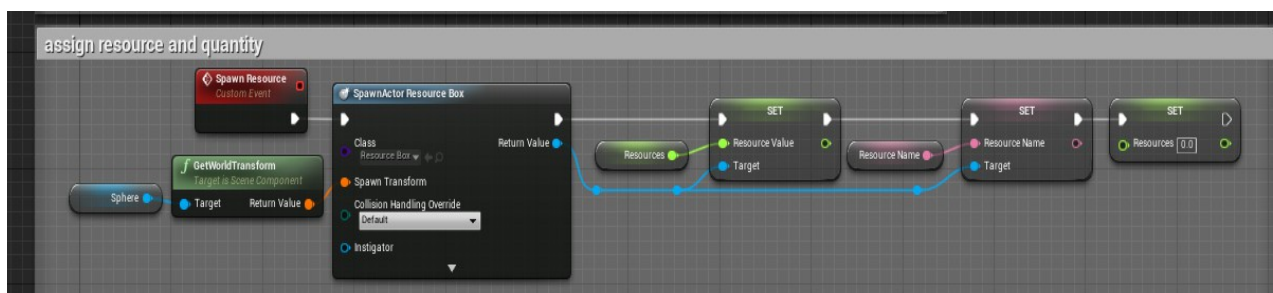
interaction



make container of resources



assign resource and quantity



joystick rumble

