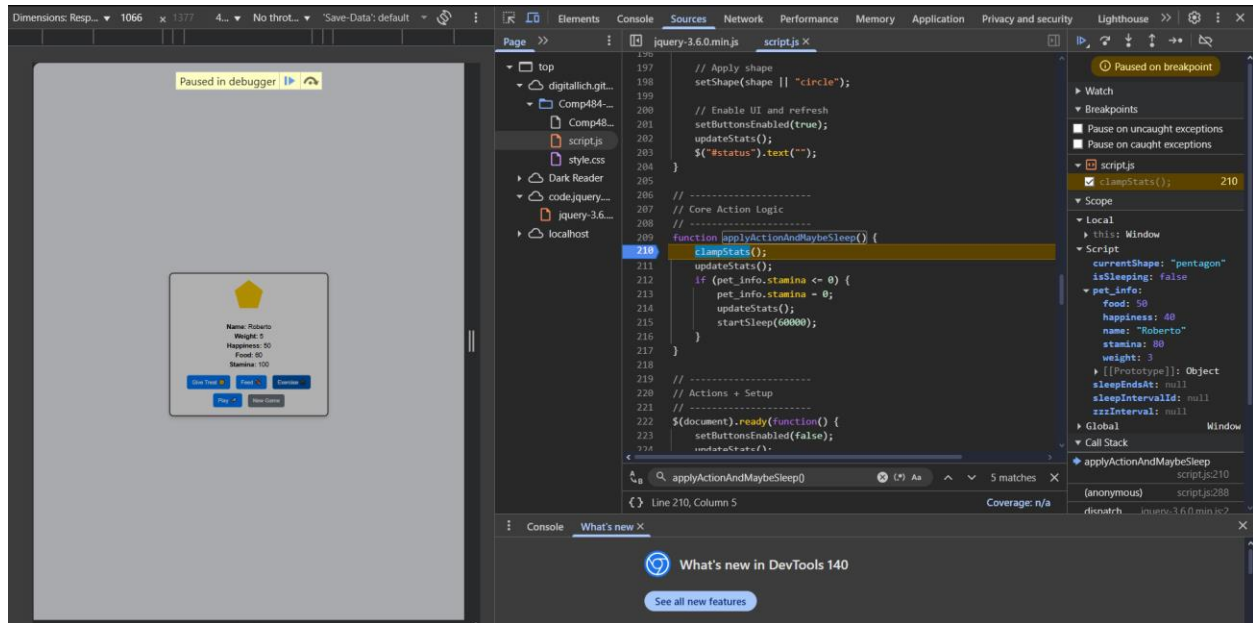


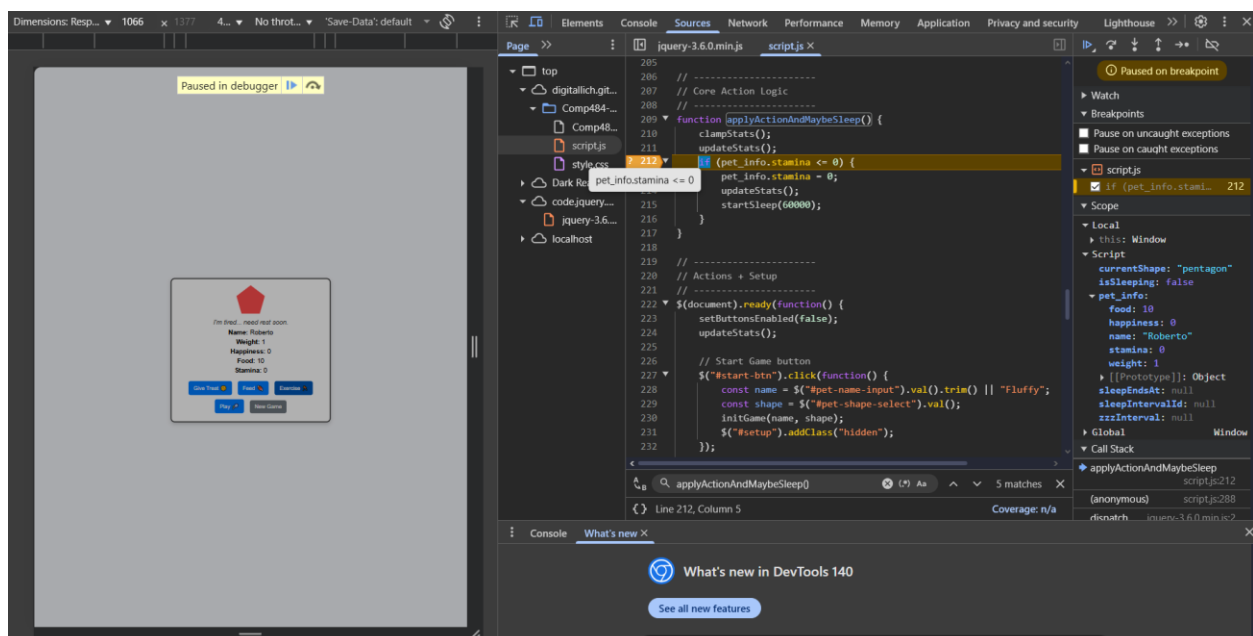
Homework 10

Devtools

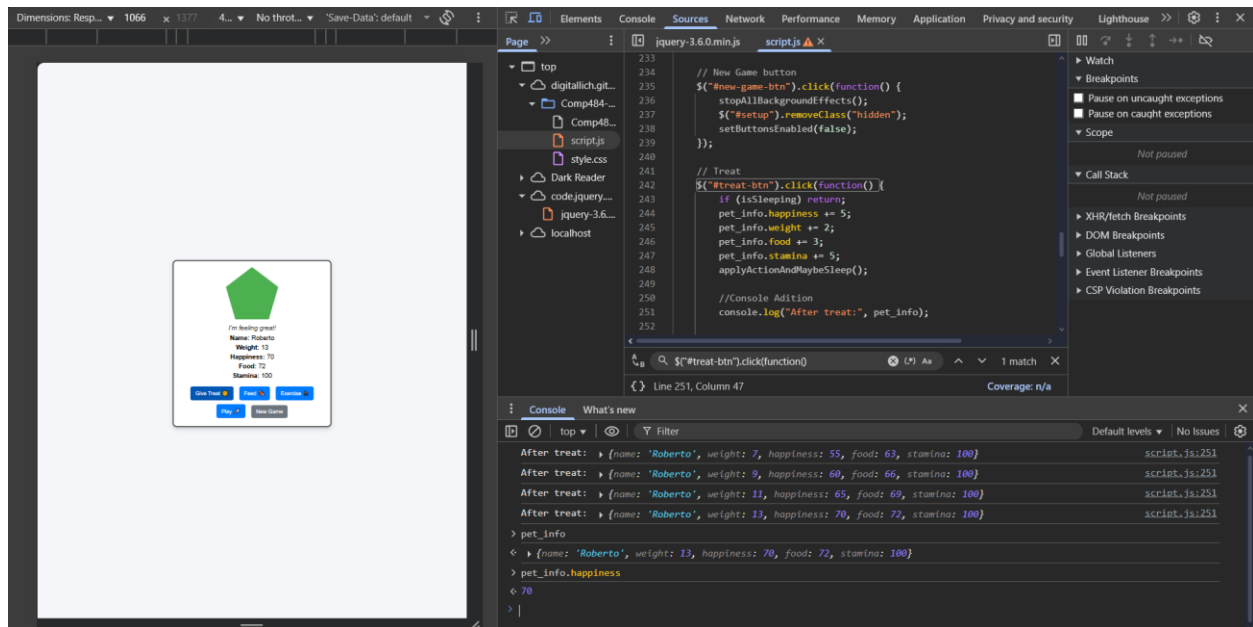
I set a breakpoint in the `applyActionAndMaybeSleep()` function in `script.js`. When I clicked the Exercise button, the execution paused before clamping the stats. In the Scope panel I inspected `pet_info` and saw stamina and happiness values change after each click. This helped me understand how the game decides when to put the pet to sleep.



I added a conditional breakpoint on the stamina check using `pet_info.stamina <= 0`. This made DevTools pause only when stamina dropped to zero. It let me debug the exact moment the pet falls asleep without stopping on every call, demonstrating how conditional breakpoints can focus debugging on specific states.

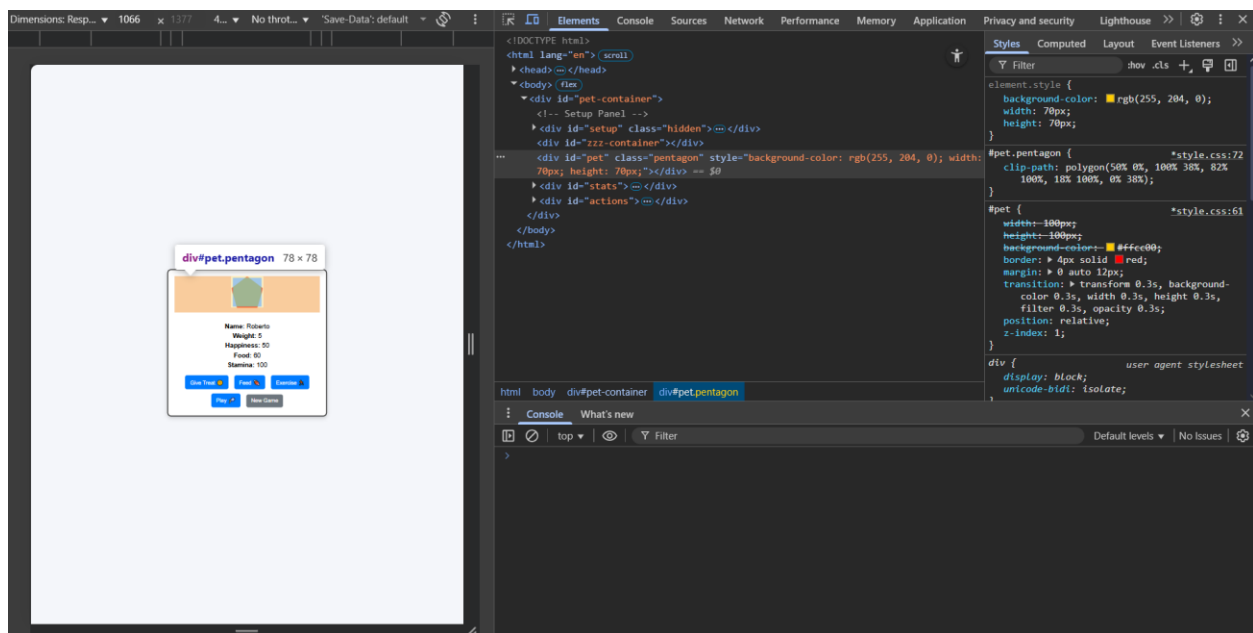


I added a `console.log("After treat:", pet_info)` to the Treat button handler. Every time I clicked the Treat button, the Console showed the updated `pet_info`. I also evaluated `pet_info` and `pet_info.happiness` directly in the Console to inspect the state of my game without adding more UI elements.

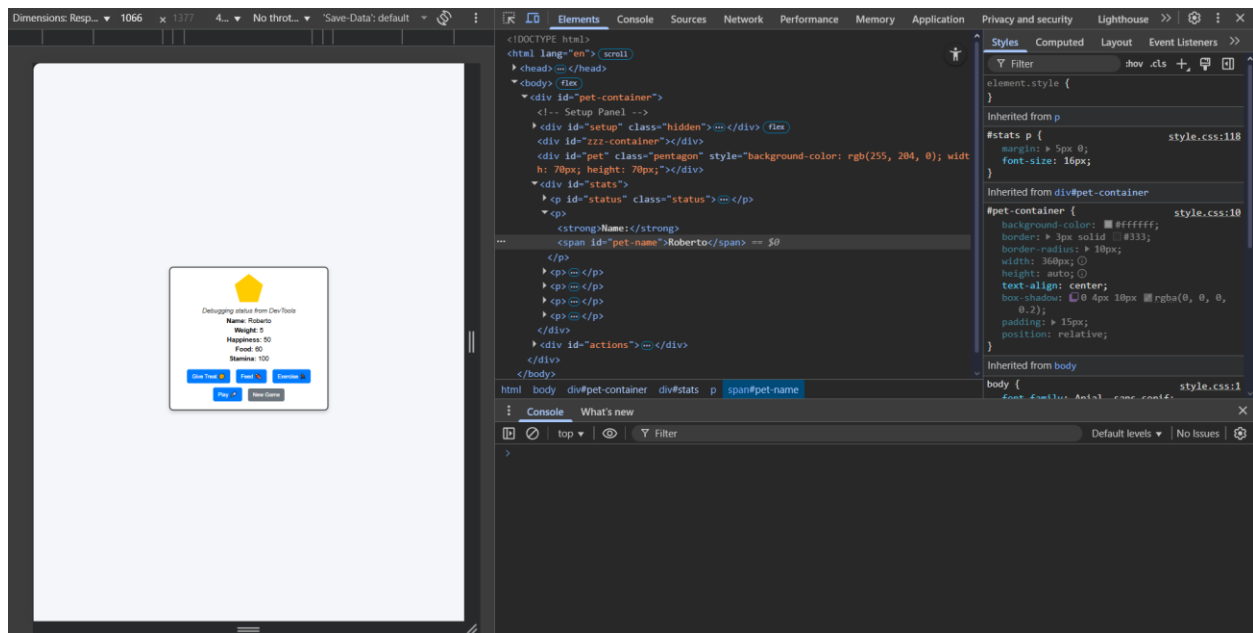


DOM

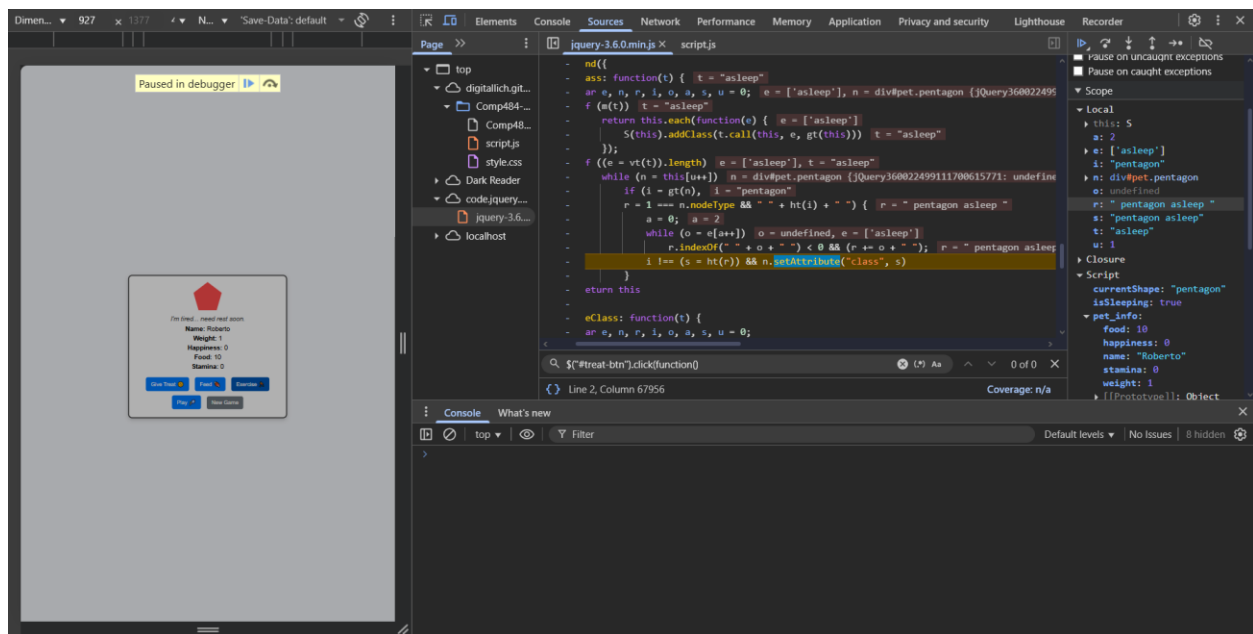
Using the Elements tab, I inspected the `<div id="pet">` element and live-edited its styles. I changed the background color, size, and added a border. This showed how I can visually tweak and debug CSS in the browser before changing my actual stylesheet.



I directly edited the `#status` element using "Edit as HTML" in the Elements panel. The new text appeared immediately in the game UI, demonstrating how I can quickly test content and layout changes in the DOM.

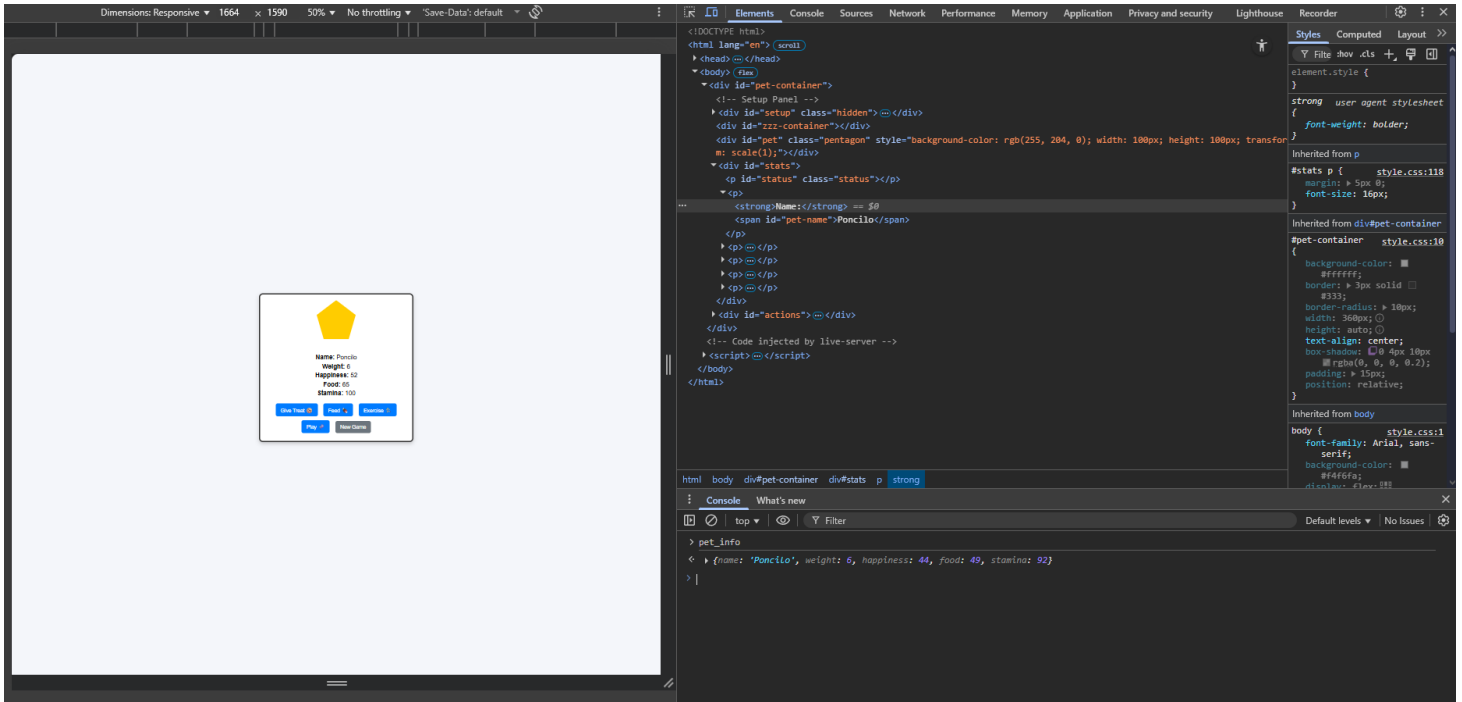


I added a DOM breakpoint on the `#pet` element to break when its attributes change. When stamina reached zero, DevTools paused as the `asleep` class was added. This helped me connect the visual state (greyed-out pet) with the underlying JavaScript (`startSleep` and `wakeUp` functions).

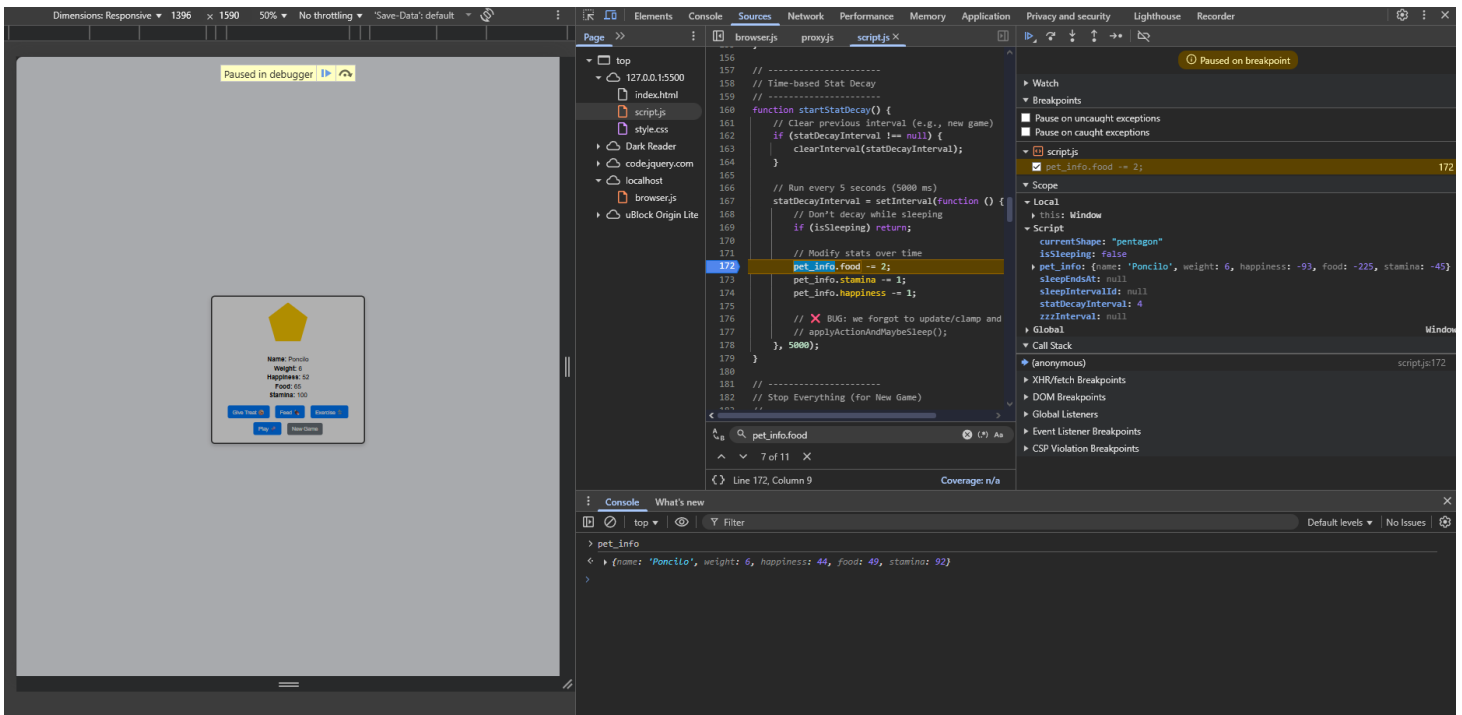


New Implementation: Stat Decay with time

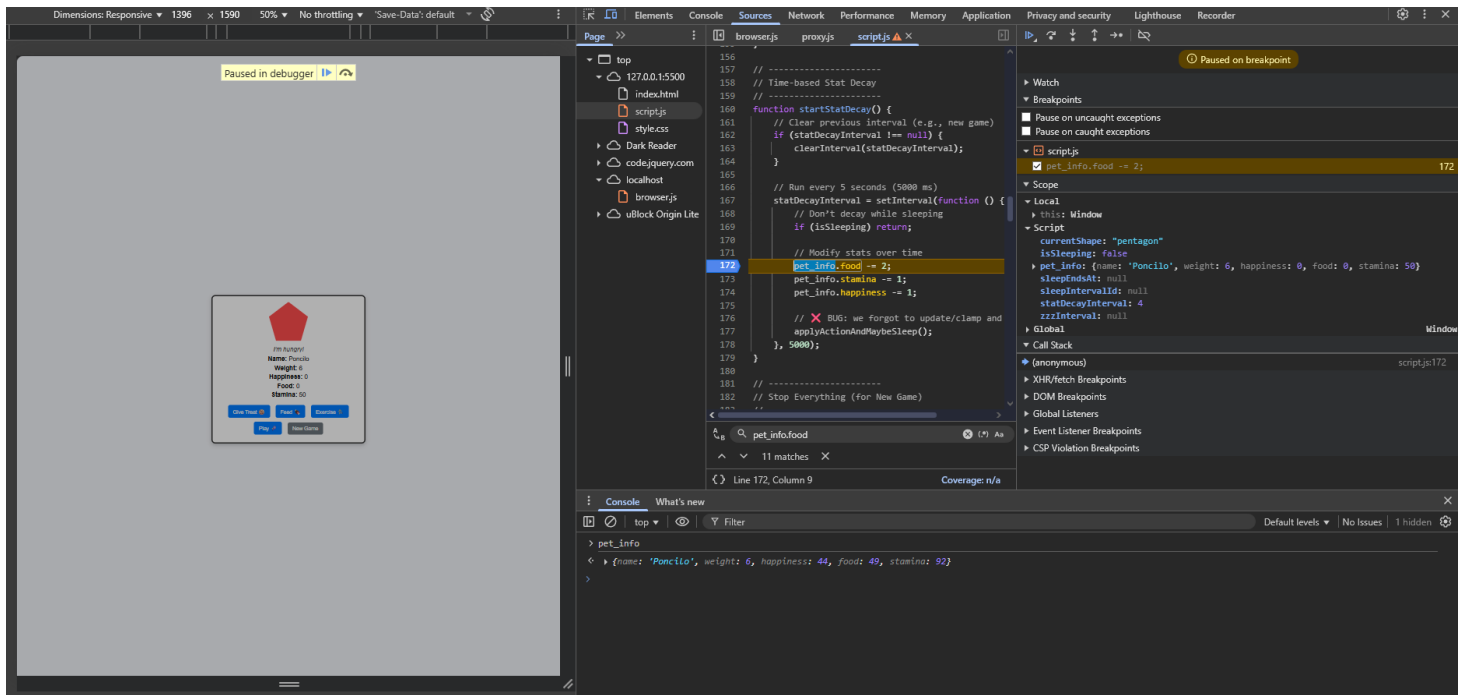
After implementation, the pet's on-screen stats remain unchanged even after several seconds, revealing that the time-based stat decay feature is not updating the UI as expected. DevTools Console showing that `pet_info` values decrease over time while the UI remains static, confirming that the internal game state is updating correctly but the DOM is not being refreshed.



A breakpoint added inside the `startStatDecay()` interval function. This allows us to pause execution exactly when the decay logic runs and inspect variable changes. The Scope panel reveals that `pet_info.food`, `pet_info.stamina`, and `pet_info.happiness` have decayed values, confirming the interval logic is functioning even though the UI does not reflect these changes.



The corrected version of `startStatDecay()`, where the `applyActionAndMaybeSleep()` function is restored, allowing stats to update visually and triggering sleep behavior when stamina becomes too low.



After applying the fix, the pet's on-screen stats now decrease every few seconds, demonstrating that the decay logic and UI updates are properly synchronized.