Bring back the 90's.

You're lonely and bored. Your doritos are stale and no one is online, this loneliness you feel has a cure...A *TAMAGOTCHI*

For those of you who have never heard of a Tamagotchi, here's a quick summary:

A tamagotchi is a virtual pet whose life you must sustain through various activities including eating, playing, making it sleep etc. Tamagotchi's go through several life cycles, most notably, egg/infant, teen, adult, elderly. Tamagotchi's can die from lack of attention (in the classic ones, half a day of neglect would kill it) and also from age. For more information check the wiki http://en.wikipedia.org/wiki/Tamagotchi

Your job is to create a tamagotchi via command line, gui or any other avenue you'd like. Even just an internal API and a main method demonstrating it's usage. The goal is to see how you handle open ended design requirements.

Requirements

The tamagotchi must have at *least* the following requirements:

- Capable of being fed
- Capable of being put to bed
- Capable of going to sleep on its own, losing health from hunger and pooping on its own without prompting
- Capable of aging from birth through to death

These are the bare minimum requirements, feel free to get quirky and add weird stuff like diseases and love interests.

Advice & Additional Requirements

- You should treat this like a production system. This means unit tests, documentation, and proper commit messages
- You should write this in C# or C++
- If you're planning on building a GUI, utilise WPF
- You should provide a README that describes how to run your project

We're looking for a clean solution with well defined boundaries, well formatted code, meaningful names etc. When you've completed this assignment, please upload your work to GitHub/BitBucket/GitLab etc. Good luck!