

Team FASH: CS 396 [WebDev] Project Proposal

Summary | Background

The project will focus on the design of a virtual pet web app, similar to the style of the existing Tamagotchi product. Users will take care of virtual Northwestern students - the “pets” in the project’s version of Tamagotchi. This web app will track various data about the status of the user’s pet, including age, health, and motivation level. The app will also provide visualizations for each of these statuses, which are reflected in status meters and/or the pet’s appearance.

Features

Our Final Project will include a web application that allows the user to interact with virtual pets. It will involve tracking the following pet states:

- Hunger
- Health
- Age
- IQ
- Motivation

Each pet will also be able to move through the following growth stages:

- Full Egg
- $\frac{1}{2}$ Egg
- $\frac{1}{3}$ Egg
- Chick
- Chicken
- Death

In the time we have left in the quarter, we hope to accomplish the following:

- Cross-platform compatibility (desktop, tablet, and mobile)
- Persistent states (pet states are consistent upon page refresh)
- Real-world time reactive states (pet states dependent on real-world elapsed time)
- Location-based reactive states (pet states change according to their virtual location)

Tech Stack

- Javascript
- Typescript
- React