

# REVATURE DOGS

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## Introduction

Revature Dogs is a simple yet incredibly entertaining game where you can adopt a dog and raise him/her. Watch them grow from a pup into a legendary great wolf perhaps? In this game, you will need to fulfill your pet's needs. This includes feeding them, walking them, and giving them attention. This game will also have features such as the ability to train your pet on various tricks.

## Value Proposition

This project will provide our novice team with experience using the tools and techniques that are currently used in real world applications and project design. In addition, we will learn about the importance of DevOps when working in a team environment as well as the value of tools such as SonarCloud and Microsoft Azure for project deployment and publishing. We will learn the value of single-page applications implementing API and Angular techniques using best practices.

## User Stories

As a Player, I want to be able to adopt one or many dogs so that I can take care of them.

As a Player, I want to be able to choose a breed of dog so I can adopt the one I want.

As a Player, I want to be able to select a dog from my collection of dogs so that I can interact with them individually.

As a Player, I want to be able to check my dog's hunger so that I can know when to feed them.

As a Player, I want to be able to check my dog's current status so that I can read their mood.

As a Player, I want to be able to feed my dog(s) so that I can improve their hunger.

As a Player, I want to be able to play with my dog(s) so that I can improve their mood.

As a Player, I want to be able to teach my dog(s) new tricks so that I can have them perform those tricks.

*Extensible:*

*As a Player, I want to enroll my dog(s) in competitions so that I can compete with other players.*

*As a Player, I want to be able to have my dog(s) perform tricks in a competition so that I can get a better score.*

## Data Model

User signs in/create account >>

First Time User Adopts a pet>>

User interacts with pet>>

Feed

Walk

Pet

Teach Tricks

Pet reacts to user interaction>>

Repeat until user signs off

Database Tables: Pets, PetsAvailable, Tricks, TricksKnown, Users

### **Technologies**

- Angular
- Azure Boards
- Azure App Services
- Azure SQL Server
- Azure Pipelines
- Visual Studio/Visual Studio Code
- Azure Data Studio
- SQL Server Management Studio
- GitHub
- SonarCloud
- Postman

### **Extensible Features**

Pet stats can be added for greater individual user experiences. Allowing a variety of techniques to help your pet become a legendary pet. Adding a user wallet to purchase in game items to help care for the pet, such as food, treats, or toys. A leaderboard to give the competition an even more competitive style, so the user can compete with other users rather than just themselves.