

# FishBuddy

Justin McDonald  
@jmc5391

# Description

FishBuddy is a web app that takes care of the research involved in setting up a fish tank. Simply tell the app what you want, (size of tank, budget, type of fish etc), and it'll figure out the rest.



# Features

- Tank Generator: takes as much info from user as possible and fills in the blanks.
- Fish Gallery: database of information on fish for users to browse.
- My Tanks: keeps track of users' tanks and allows them to edit them.



# Planning - User Stories

As a user, I want to be able to save a desired fish tank to my account - generated tanks are saved to a user's profile.

As a user, I want to generate a tank with as little information as possible - the Tank Generator can take a single input from the user and create an entire aquarium setup



# Planning - Database

Tanks - a database of generated tanks linked to owner user accounts, fields include Equipment objects for tank equipment such as filters and heaters

Fish - a database of fish and useful information on what sort of environment they require



# Technology Stack

- Java
- MVC
- Thymeleaf
- MySQL
- SpringBoot



# Demo



# What I Learned

- Spring Security
- Storing objects to session
- Planning a project from initial idea to step-by-step coding





# What's Next

- Bootstrap
- More options for tank generation
- Tank upkeep calendar

