CASE STUDY: POKETEAM ACADEMY

By: Venus Teah

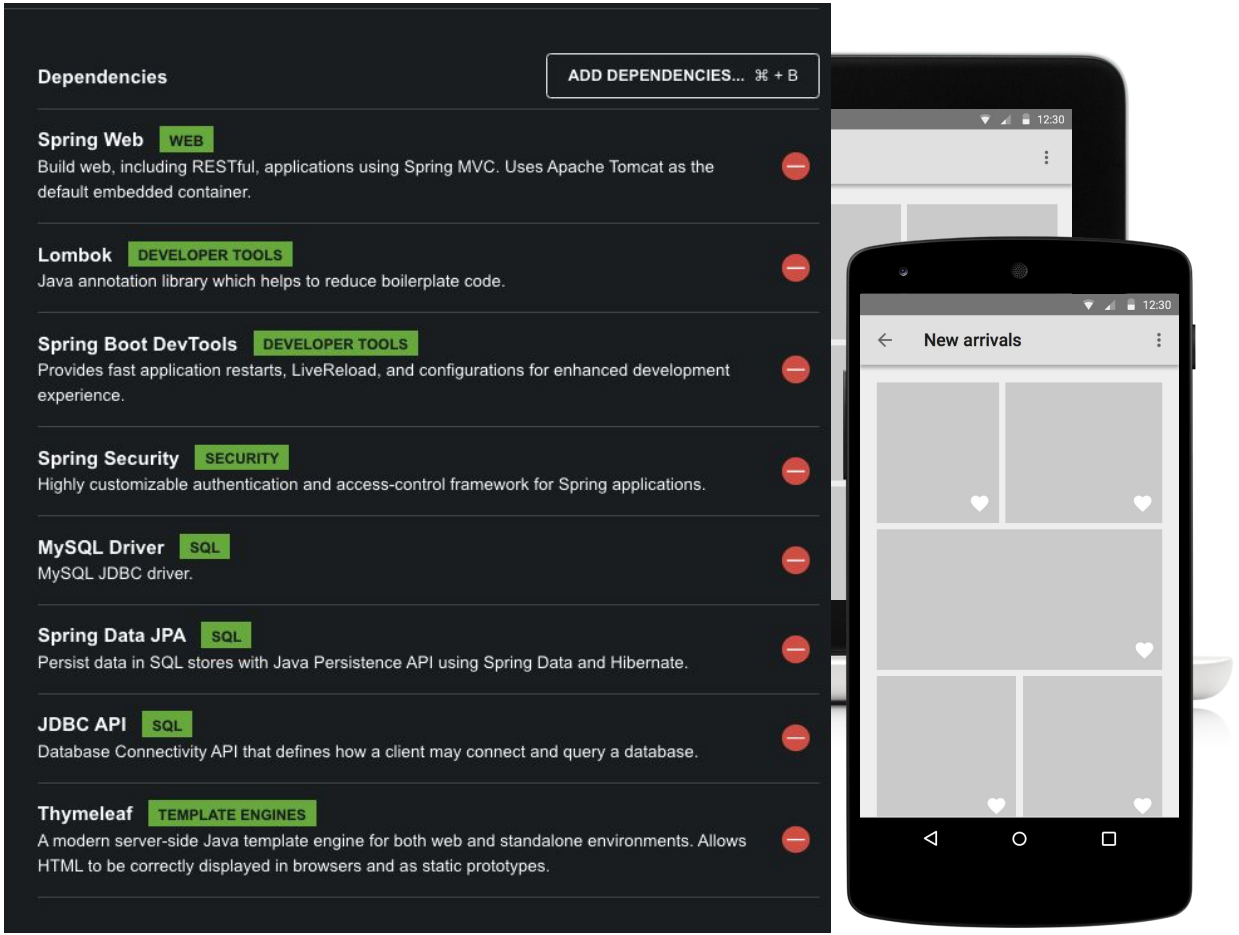
A fun interactive experience meant for young users

USER STORIES AND BUSINESS USE CASE

- I envisioned this project to be an interactive website where fans of the Pokemon franchise would have an additional outlet they can use to explore their love of these little creature.
- The website would emulate a fictional school, where Users are enrolled as “Pokemon Trainers”.
- They would be able to create an account, choose a “Team” where they can connect with other Users, and have their own Pokemon.

TECHNOLOGIES USED

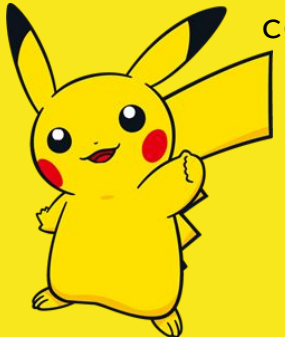
- JAVA
- SPRING INITIALIZER
- MYSQL/WORKBENCH
- SPRING BOOT
- SPRING DATA JPA
- MAVEN
- SPRING SECURITY
- THYMELEAF
- DRAW.IO
- CSS
- JS

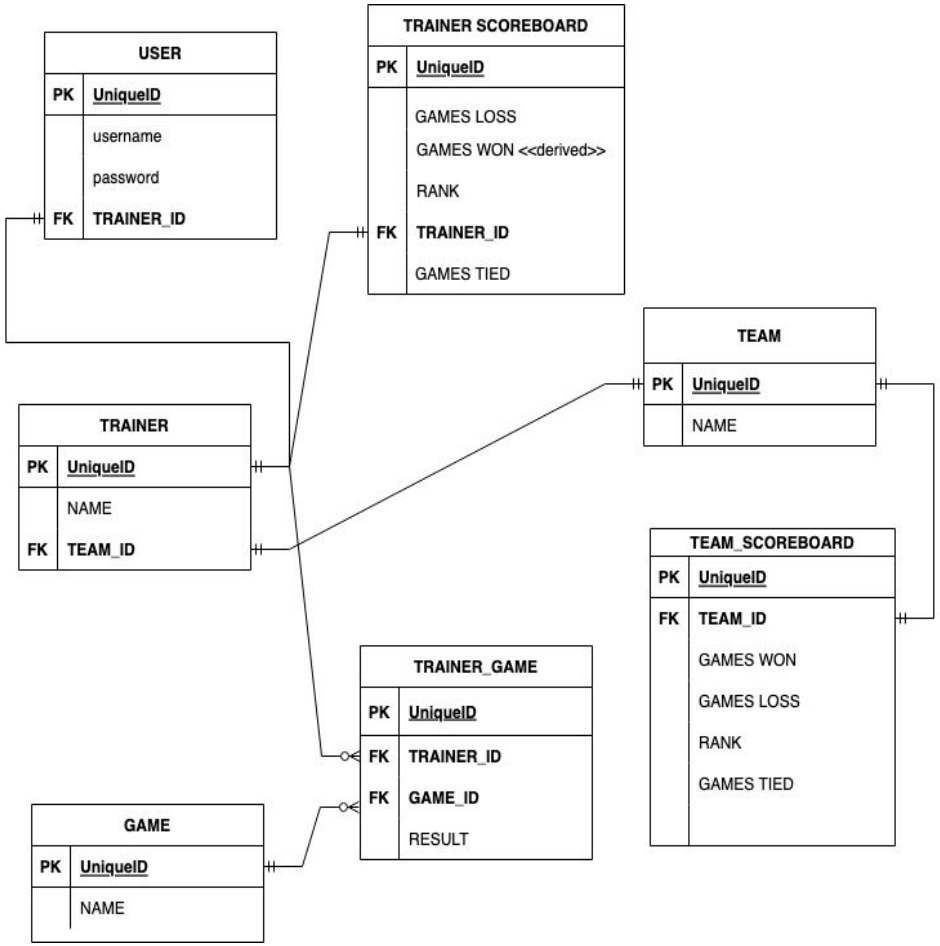


ORIGINAL ERD

Some Changes:

- Adding Role Table For Spring Security
- Leaving off game focused entities because of time constraints





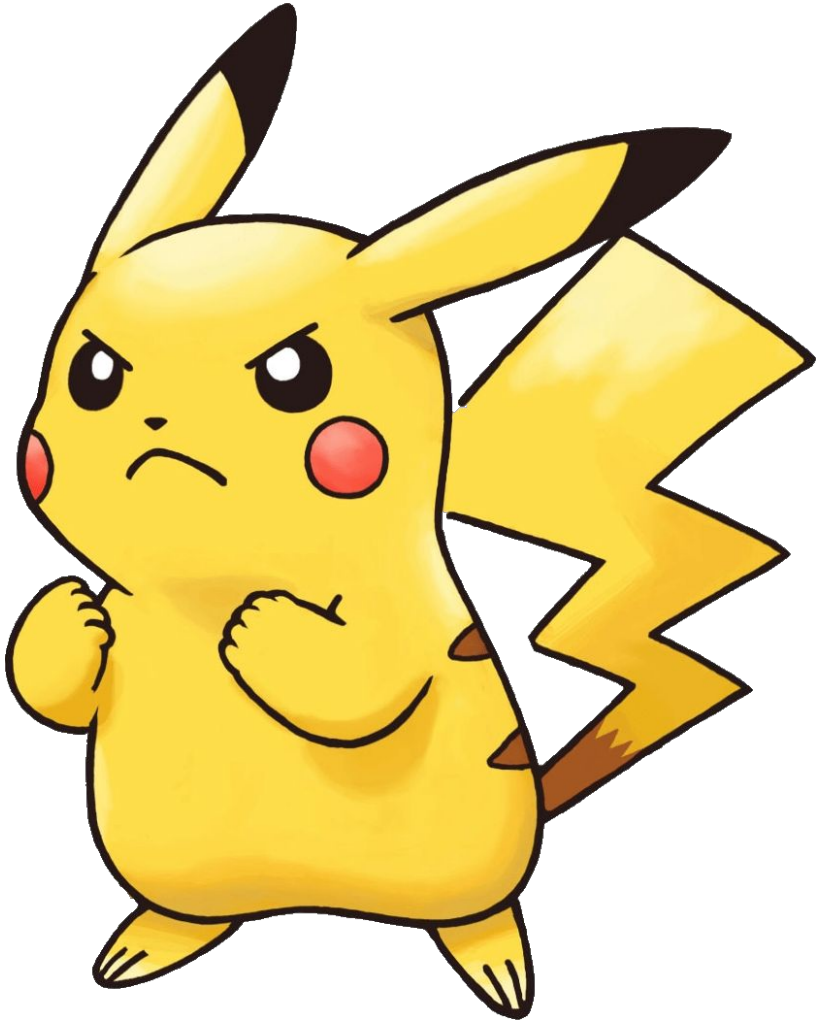
Interesting Features

Poke API

- I challenged myself to attempt to extract data from an external api to use in my web app.

CHALLENGES

- **SPRING SECURITY**
  - **Learned to take a step back to do additional research even when under pressure**
- **FRONT END**
  - **More problems than backend**
  - **In hindsight it would have been best to work on the front end first, in order to achieve better time management**



Future Features

- Implementing the other entities in my original ERD -
  - Simple Pokemon Based Games
  - ScoreBoard
  - Rankings
- Add “Social” features
  - Chats

Resources

- Front end
  - https://getbootstrap.com/docs/5.0/examples/
  - https://fontawesome.com/search?q=trash&o=r
  - https://getbootstrap.com/docs/4.0/examples/grid/
  - https://mdbootstrap.com/freebies/three-columns/
  -
- Springs Security
  - https://www.youtube.com/watch?v=R76S0tfv36w&t=1970s
  - https://www.youtube.com/watch?v=L9oWG6aj_U8&t=5s
  - https://javatechonline.com/spring-security-userdetailsservice-using-spring-boot-3/
  - https://www.javacodegeeks.com/2018/02/securitycontext-securitycontextholder-spring-security.html
-