

## CS132 Capstone: Swolemates

Valerie Nguon, Peter Griesmer, Varun Senthil Nathan, and I created a service that provides a compatibility ranking for potential gym partners. The idea is that people are more motivated, stay more accountable, and have more confidence in working out when they do it with a partner. Using Node.js and various AWS services (MySQL, EC2, etc.) in the backend and HTML/CSS on the front end, we designed a web application that allows users to create a comprehensive personal profile and connect with users with similar goals and routines. The algorithm takes into account availability, workout frequency, workout types, overall goal, and age, providing users with a list of all other users ranked from most to least compatible. After connecting with each other, users can utilize the in-app messaging platform to get to know each other better.