

Group 6 Requirements

Functional:

- Users are split up into 4 roles: Student, Parent, Coach, and Professional. Each role will have its own functions and permissions. Students may play games and learn nutrition, parents pay for their children's subscriptions, coaches may view and track their students' information, while professionals search for students that would suit their athletics programs.
- Payment Processing – The website needs to have functionality for users to be able to pay a subscription fee to access the site.
- Account Management – There should be a way for users to create accounts to log in, and the ability to edit their information and choose a role. The website will store the information of various profiles in the database.
- Games – The core functionality of the website is to encourage students to play video games that encourage them to stay physically fit and provide them with nutritional information to educate them on the subject. Game will be a point and click game about avoiding junk food and eating health foods.
- Team Management – There should be a system in which coaches of teams can keep up to date with their players' progress and be able to look them up to add them to their roster on the website.
- Fitness Center Information – There needs to be a way to look up local fitness centers for parents to send their kids to. This requires third-party location information to filter the centers based on their distance.
- Nutritional Information- Nutritional Experts and Companies should be able to sign up to send in nutritional information that is available for students to read.
- Social Media Integration- users should be able to access social media platforms Facebook and Twitter directly through our website, essentially spreading awareness to more people.
- The website must remain functional. Server outages and website bugs must be accounted for as soon as they come to awareness.

Non-Functional:

- The program should be easy to access and understand, so that users of all ages can be able to use it.
- Nutritional and physical information should be displayed in a format that is easy to digest, so that children can understand it.
- Payment information should be secure.
- Sharing to social media should be a convenient process.
- Website should be aesthetically pleasing, but still retain functionality.

Constraints:

- Time - Needs to be finished by the project deadline (5/7/21).
- Monetary/Resources – As students, we do not have similar amounts of funds as full companies to produce as good a quality of a website as those that do.

- Hardware- Since we are unfamiliar with the hardware and aren't spending an excess of money, we are limited in the processing power that we are able to use. Too much influx of user could crash our servers.