

## Requirements

**Goal:** To foster healthy and active lifestyles within teenagers and children alike through the creation of a “revolutionary gaming-based website that educates while it stimulates young minds.”

### 1. Website

#### a. Functional requirements

- i. Prioritized support for mobile devices
  1. Should still be compatible with all other devices
- ii. A game designed to educate about healthy lifestyle choices
  1. Main purpose of the site
  2. Embed game within site
  3. Single, team, and multi-player modes
    - a. Online multiplayer
  4. Focus on mobile compatibility
- iii. Facilitate advertising and the ability to receive donations
- iv. Parents/guardians ability to monitor a child’s progress
- v. Allow appropriate government officials and other designated personnel to contribute input as well as monitor the progress of all teens
- vi. Register accounts for children, parents, and government/designated personnel
  1. Keep track of score and overall progress as one progresses in the game
    - a. Progress history/timeline, see development over time
  2. Accounts for children must be linked in a way such that it allows parents/guardians to monitor the child
    - a. Separate accounts for parents? Child accounts stem from parent accounts?

#### b. Non-Functional requirements

- i. Demo prototype in the mid-May timeframe
  1. Fully functioning system would not be available until later next year
    - a. Provide a plan for how the prototype will be evolved into the final “to-be” solution
- ii. Correctness of information
  1. Diet
  2. Exercise
  3. Ensure correctness of game questions/choices and overall functionality
  4. Relevant ads
    - a. No ads promoting the consumption of junk foods, soft drinks, etc.