Christian Sauls

Group #2

COSC 412-101

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**
   1. Functional requirements
      1. Prioritized support for mobile devices
         1. Should still be compatible with all other devices
      2. 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
            1. Online multiplayer
         4. Focus on mobile compatibility
      3. Facilitate advertising and the ability to receive donations
      4. Parents/guardians ability to monitor a child’s progress
      5. Allow appropriate government officials and other designated personnel to contribute input as well as monitor the progress of all teens
      6. Register accounts for children, parents, and government/designated personnel
         1. Keep track of score and overall progress as one progresses in the game
            1. 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
            1. Separate accounts for parents? Child accounts stem from parent accounts?
   2. Non-Functional requirements
      1. Demo prototype in the mid-May timeframe
         1. Fully functioning system would not be available until later next year
            1. Provide a plan for how the prototype will be evolved into the final “to-be” solution
      2. Correctness of information
         1. Diet
         2. Exercise
         3. Ensure correctness of game questions/choices and overall functionality
         4. Relevant ads
            1. No ads promoting the consumption of junk foods, soft drinks, etc.