CIS 219 Projects

1. User Prefs
2. Nearest Hospital Location
   1. GPS
   2. Google Maps API
   3. Level of Care? (DB)
3. Static Floor Map display
   1. Search for Rooms in Database
   2. Display correct portion of the map/floor
   3. Scroll/zoom
4. Food Fights
   1. Take picture with phone camera for Avatar
   2. BMI is calculated into initial character
   3. Goal is set for next month – if reached, additional points given for next month (level up)
   4. Health Choices
      1. Calories Eaten
         1. <https://explore.data.gov/Health-and-Nutrition/MyPyramid-Food-Raw-Data/b978-7txq>
         2. <https://explore.data.gov/download/b978-7txq/XML>
         3. Use “Fight Server” to get calorie / food database
         4. Select food and portions for each meal
      2. Calories Burned
         1. Enter Calories burned
         2. Miles Walked/biked – calculates calories
         3. GPS mapping calculates distance, speed, calories burned
      3. Excess calories burned or consumed adversely affects fight stats
   5. Point Distribution from Health Choices
      1. Stamina
      2. Intelligence
      3. Strength
      4. Agility
   6. Initiate Fight
      1. Fights gain Fitness Coins
         1. Can be used to purchase weapons and armor from the “store”
         2. Helps with the fights, but not as much as the health choices
   7. Communicates with “Fight Server”
      1. Server calculates fight/gives results
      2. Tracks coins and character stats over time
      3. API
         1. Show characters willing to fight
         2. Initiate Fight with another character
         3. Login Character
         4. Get Updated Food database
         5. Store API
            1. List Weapons
            2. List Armor
            3. Buy Weapon/Armor

Adds to character purchasing same