# System Analysis and Design Final Assignment

Fight Gear Finder, a price comparison platform for martial arts gear

Elevator pitch: Fight gear is a website that allows users to search for Martial Arts Products such as Jiu Jitsu kimonos, rash guards, MMA gloves, shorts, and other accessories. They will be able to see different stores that sell that particular product, see the store’s overall ratings (can be fetched from google) and select the option they would like.

* Functional Requirements:
  1. Search For particular product
  2. Display all of the options with price and shipping rate
  3. Direct the user to their favorite option
  4. Open the page that corresponds with user’s choice
* Non-Functional Requirements:
  1. Web Scraping system that would retrieve data from the seller websites
  2. Multi-platform Compatibility (Table/Mobile/Desktop)
  3. Update sources regularly
* Must Haves:
  1. Search function
  2. Sort items by the cheapest price
  3. View different options of stores
  4. Ability to select the product you want
* Nice To haves:
  1. Check the rating of the seller
  2. Sort by rating
  3. Most popular items list on the home page (unsure at this stage)

\*Please note, initially I had planned on having a user account system, where users can store their favorite store and product, but due to possible complexities and its lack relevance for the purpose of my application, I have decided to put that on hold for the time being. My vision is to have a simple and quick process where people can just quickly look for the best option. I am not sure if having a user/account system is necessary at all.