**Member**: Juan Estrella

**General Description of Final Project**:

My final project will be an E-commerce website for people who want to buy and/or sell computer parts, office chairs, desks, lighting, and more. There will be categories on the main website for each one of these categories. Each product on sale will have the name of the product, picture, price, and seller’s username. The website will have a search box for users to find specific products they want. In addition, users can add comments/questions under an item on sale. After figuring out the items the user wants, they can add it to their cart. The cart page will have all the items they are planning to buy. There will be a user’s profile that contains username, profile picture, products they are selling, products they bought, link to the cart page, and user information update.

**How each requirement will be satisfied**:

* Registration & Login:
  + It is required for them to register and login to add items to cart
  + Password requirement: 8 to 32 characters long, 1 or more number(0-9), no spaces, and no special characters (such as #, !, -, &. |).
  + Hashed password
  + 2FA: TOPT
* Forms:
  + User management system: Registration and Login
  + Others: Search, Review/Rating, Cart, Sell
* Database:
  + MongoDB for user and website data
* Security:
  + Proper CSP:
  + CSRF-protected forms: Flask-WTF
  + Talisman protected: Flask-Talisman
* Blueprints:
  + Distinct: Products, Users
  + Visible:
    - Products: index, query results, product detail, user detail
    - Users: registration, login, logout, account, cart
* Presentable:
  + Bootstrap, not yet sure what other frameworks I might want to use.
* Python Package:
  + Pillow, flask\_mail, numpy(maybe), stripe
* Evidence of Usage:
  + Will add fake accounts to sell and buy products
  + Test: test\_products, test\_users