**Group Project Proposal - IMP**

### What will our application do?

Our application will be a Buy and Sell website under the monicor *Imp Trading*. This will be a website where users can post pictures of items they want to sell, and buy items from other users. Users will have access to a list of all items they sold and/or selling (My Items), a list of items they’ve bought (My Orders), and a wishlist.

### Pages

Our application will consists of 6 pages:

1. Home Page
   * The Home Page will have a header which will consist of two separate areas, the smaller area will simply have a Login Symbol and a wishlist symbol. The Larger area will have the company logo and a search field. In the body, there will be images of items for sale with their price listed below the item. The images will be listed in rows consisting of 3-5 columns.
   * There will also be an aside that will have a list of categories that when clicked will filter the images in the body.
2. Wishlist Page
   * The wishlist page will be a page where user will view items in which they marked on their wishlist
   * Items will be listed from top to bottom, having the image to the left of the screen, with the name, description, and price to the right of the image.
3. Item-View Page
   * This page will be for when you click on a specific item. It will bring the item up with the image on the left of the screen and the Name, Description, Seller, Price to the trite of the image.
4. Post-Item Page
   * This page will be for when the user wants to post an item for sale. It will look like the item-view page but it will consist of a form for the Name, Description, Price, and an Image Upload.
5. Login Page
   * Will be a form, where you sign in with username and password
6. Create-user Page
   * Similar to login page but will also have a email, payment, and verify password

All webpages will have a footer containing info on the company, links to social media, and contact information.

### Who will do what?

**Izzy**: Will be in charge of Home Page and Wishlist Page

**Mason**: Will be in charge of of Login Page and Create-User Page

**Parker**: Will be in charge of the Post Page and View-Item Page

### How will we use a database?

A database, consisting of 4 tables, will be used for this application.

* User Table
  + To store user email, username, password, address, and payment method.
* My Orders Table
  + Connected via username, will store item information (ie, name, price and buy date) for items bought by the user
* My Items Table
  + Same as above but will store item information (ie, name, price, sold- yes or no- and post date) for items the user has posted
* Wishlist Table
  + Same as Orders and Items, but will show items marked by the user for the wishlist.

### How do we plan to address the application requirements?

1. Group Responsibilities
   1. Each member of the group will work mainly on two pages. However, each member of the group will aid other group members if needed according to their strong suit. For instance, if a member struggles with styling then another member who is good at styling will aid them in that area.
2. General Requirements
   1. Bootstrap used for styling to utilize responsive design
   2. Central CSS file for all pages -- located in separate file
   3. JavaScript -- located in separate file
   4. All of your pages with forms should include client-side validation and error handling.
   5. Your application should store information in a mySQL database and have at least 3 tables-- ours will have at least 4 tables
   6. At least one of your pages should be a php file. ( Most likely our Home Page will use PHP)
   7. Your application should create and read both persistent and session cookies on the client side.
3. Required Page and Components
   1. Home Page - The home page should be styled similarly to the chapter 7 homework, with a Navbar at the top, an aside on the left, and a footer at the bottom. It should include some images.
      1. Look At Pages for Home Page
   2. A separate Contact form - It should include at least 4 different form control elements. While you are testing, have it send the results to a team member’s email. Before you submit it, switch it so that the results of the form are sent to my email at [shammond@faulkner.edu](mailto:shammond@faulkner.edu).
      1. Will be done for LOgin, Create-User and Post Pages
   3. Login page – the login data should be stored in a table and the page should validate login data in your mySQL database
      1. Look at Page for Login Page
   4. Foreign exchange JSON API - At least one of your pages should include a currency converter function. Users should enter an amount, select the actual currency, select the desired currency and then the app should fetch the exchange rate from the [Fixer API](https://fixer.io/) and display the converted rate.
      1. Used for price values for Post and Item Pages
   5. One additional page of your choosing.