Homework 1

## SWE 632 - 2024 Spring

Due by: February 8, 2024 11:59 PM

Submission to include:

* URL to execute from a browser
* Word document / PDF describing design, interface features, and other info as needed

**Please adhere to all the submission rules. It ensures standard grading for all students and makes rubric implementation simpler.**

## Problem Statement

Design and implement an "Instant Market Online Store" based on the following specifications:

* The store shall provide an opportunity for buyers and sellers of any merchandise to come together and form a marketplace
* The store can be specialized to a any particular type of products
* A buyer searches for a product to buy, receives any matched products along with their prices and makes a decision
* A seller declares a product to sell, observes its market price, and decides if he/she is willing to submit it
* A transaction matching a buyer and seller is executed immediately
* You may specify any additional features to the above (optional)

## Submission Requirements

* *Design* (**2.5 points**)
  + Describe your design to implement the problem using free text, or any format you are aware of
  + Use at least three design concepts covered in classes 1-3
* *Implementation* (**5 points**)
  + Please refer to this [link](https://its.gmu.edu/knowledge-base/how-to-set-up-a-personal-site/) for setting up your mason website.
  + Implement your design in HTML, Bootstrap, and JavaScript (optional)
  + You must create one main page and at least one more page linked to the main
* *Interface Metrics* (**2.5 points**)
  + Describe your implementation's features based on the interface theory covered in classes 1-3
  + Use at least 3 concepts/metrics for the above