Option 1

A simple platform to sell products of China to citizens in Ukraine.

Why?

* Mostly fit the CS6400 requirement: database scheme
* Humanitarian
* As of Sep 25, the reality: overcapacity/ cost performance of china
* Witness of Yiwu /Temu/Shenyin/alibaba

Functions update at 20250806

A simplified platform for sellers to sell their product to citizens in Ukraine.

It is a simplified/warzone version of temu, shenyin or alibaba. The sellers can register and post, sell their product. The buyer can search review save/cart and buy the product.Logistic will be simplified to China post and Ukraine post. Payment will be automatically done.

1 Seller from China:

* Register and login with email address.
* Post product with pics, price, description, categories, and inventory
* Able to review all the orders/money received
* Have a “credit rating” which is the average of all the rating from buyers of the product seller sold.

2 Buyers of Ukraine:

* Register and login with email
* Search or browse product by key word or category.

3 Products:

* Categories suitable to war zone people, roughly focus on better daily living for middle class. No luxuries. No more than 10 categories.
* Each product include:

4 Logistic and payment

* Logistic fixed to official post: china post and Ukraine post.
* To simplify, payment automatically done with an confirmation email sent to buyer email address.
* No refund.

5 reviews and ratings:

* Buyers can review and rate product(out of 10) and leave a comment.
* Seller can reply to buyers comment.
* Seller have also an “Credit rating” for all the product seller sold.
* Ratings are aggregated and shown per product.

Phase 1:

IFD (10%) EER Diagram (40%) Data formatting (5%) (attributes, domains) Constraints (5%) Task Decomposition (10%) Abstract code (30%)

Phase 2:

Design: (revised) EER diagram EER to Relational mapping. (25%) SQL Create Table statements (25%) Task designs w/abstract code that refers to EER replaced w/SQL that refers the relations (50%)

Phase 3:

Implementation: Evaluation of completed functionality demonstrated by your team, incorporating inserts, updates, deletes, and queries.

Tools: Docker for cloud deployment,GitHub for version control, Java + Spring Boot + MySQL, and tencent cloud.