CryptoChain

Feature list

(V.1 BETA)

- **Actors**

  - Customer (Buyer).
  - Vendor (Seller).
  - System.
  - Admin.

- **Customer features**

  - The customer / guest can view the products list.
  - The customer can filter products by :
    - Product type.
    - Price (Min / Max).
    - Physical / Digital.

  - The customer can sort products by :
    - Newest first / Oldest first.
    - Highest price / Lowest price

  - The customer / guest can view product's details in a separate page.
  - The customer / guest can view the seller's profile and ratings.
  - The customer / guest can chat with the seller.
  - The guest can login / register by email+password.
  - The customer can make an order from a product.
  - The customer can select the delivery address for a physical order.
  - The customer must pay using BTC transaction from his/her wallet.
  - The customer can view a list of recent orders.
  - The customer can view an order's details and status.
  - The customer can confirm order delivery.
  - The customer can view / edit private profile.
  - The customer can rate the seller after the order's delivery.

- **Vendor features**

  - The vendor can register by email + national ID + password.
  - The vendor can login by email + password.
  - The vendor can view / edit profile.
  - The vendor can create / view / edit his/her products.
  - The vendor can delete products that have not sold yet.
  - The vendor can view the ordered items list in a separate page.
  - The vendor can view order details in a separate page.
  - The vendor must accept/reject an order.
  - The vendor can chat with the customer.
  - The vendor can change the order's status.
  - The vendor can print a unique QR code for an order.
  - The vendor can confirm the delivery for an order.

- **System**

  - The system may send a welcode notification to new users.
  - The system will send notification to user when their order status changes.
  - The system will send notification to user when they receive a new message.
  - The system will hold the paid amount from the customer in the app's wallet until the delivery is confirmed by both sides.
  - The system will make a transaction to the vendor's wallet after the delivery is confirmed by both sides.
  - The system will save all orders in the database.

- **Admin**

  - The admin can view statistics in the admin dashboard's home.
  - The admin can CRUD customers.
  - The admin can CRUD vendors.
  - The admin can view a list of all the system's orders.
  - The admin can view a list of orders for specific customer / vendor.
  - The admin can change the order's status.
  - The admin can confirm a pending transaction.

- **Possible 3rd party integrations**

  - blockchain.com.
  - Firebase (Chat).

Thank you

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19 May 2022