

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 welcome notification to new users.
- The system will send notification  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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