

E-commerce Project-requirements:

-bank-api:

- add account (card number, name, password)
- create transaction (deposit/withdraw amount with notes)
 - log transaction
- account login
- view account balance, transaction details

-coupon-api:

- Create coupon
 - each coupon has a code, number of usages, expiry date, coupon may apply with fixed or percentage value
- Consume coupon for order
 - reduce number of coupons consumptions
 - add record to consumption history
 - View coupons and consumption history

-order-api:

- Create order
 - if order has coupon, validate and consume coupon from coupon-api
 - consume stock from store-api
 - withdraw amount from customer via bank-api and save transaction ID
 - deposity amount to merchant via bank-api
 - send to orders notifications
- Search orders by customer, date range

-product-api:

- retrieving all products
- add products with category and brand
- update product
- delete product

-store-api:

- create store/warehouse
- search products
- add stock for product with history
- consume products with history

-notification-api:

- listen for orders notifications
- send notification to merchant
- send notification to customer

-user-api:

- add/activate/deactivate admin users
- view list of users

Mandatory:

- 1) <https://mermaid.js.org/intro/> FOR ERD Diagrams. Deadline Tuesday 24/10
- 2) Clean architecture packages (controller, service (interface & Implementation), repository, dto, mapper, entity, exception, security)
- 3) Follow best practice in both URL & in all your CRUD operation.
- 4) use postman to test your API
- 5) mapstruct
- 6) use spring validator
- 7) Liquibase
- 8) rabbitmq
- 9) add swagger for documentation.

Teams:

TeamA:

- 1-Mariem
- 2-Abdelrhman elfeky
- 3-Safwat
- 4-Abdelgwad
- 5-Hala
- 6-Basel
- 7-Abdelrhman Mahmoud

TeamB:

- 1-Elkohly
- 2-Amira
- 3-Moaz
- 4-Amir
- 5-Amr
- 6-Mohamed Gamal
- 7-Harby

Notes:

- 1-Each Team need to create Group in slack for communication.
- 2-feel open to discussing and assigning tasks among yourselves as a team.