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Delivery 3 Report

Microservices Implemented

EshopBankServices

Implements the outlined bank functionality

- Returns http response 200 if the card and payment information is valid
- Otherwise returns a 402 No Payment.

MessageMicroservice

Manages messaging functionality, allows the client to send queries to the microservice to get messages for a specific user or seller. Also handles the creation of new messages.

- Returns 200 on success for getting user messages and posting new messages

OrderMicroservice

Manages functionality related to orders, primarily the getting of orders to display to the user and for use in the application as well as the creation of new orders to be saved in the database.

- Returns 200 for successful get of all orders for a user, or get of order by id
- Returns 200 for successful posting and saving of order

ProductMicroservice

Manages all operations relating to products on the web application, including getting products with specific query parameters, adding and deletion

- Returns 200 on successful get of all products, get by product id, update a product with put, delete a product
- Returns Not Modified 304 on unsuccessful product update or delete
- Returns Not Found 404 on unsuccessful lookup of product by id
- Returns Conflict 409 when attempting to add a product with an already existing primary key
- Returns Created 201 on successful addition of new user with post

UserManagementMicroservice

Manages all operations relating to the management of users and the wishlist. Includes functionality for registering new users, editing and deleting user and user wishlist information

- Returns 200 on successful get of all users, get by user email, successful update of user information, successful deletion of user, successful get of all wishlist products for user, successful addition of wishlist product for user, successful deletion of wishlist product for user
- Returns Not Found 404 on unsuccessful lookup of user by email
- Returns Not Modified 304 on unsuccessful update of user information, deletion of user, or adding a product to a users wishlist.
- Returns Conflict 409 when attempting to add a user with an already existing primary key

Configuration and Testing

Sample User:

- Username: tester1@gmail.com
- Password: 12345

Sample Seller:

- seller@gmail.com
- 12345

Sample Administrator:

- admin@gmail.com
- 12345

Database Name: ctw

EshopBankServices Port: 15810

MessageMicroservice Port: 15803

OrderMicroservice Port: 15804

ProductMicroservice Port: 15802

UserManagementMicroservice Port: 15812

Tasks and Contribution

Rees - UserManagementMicroservice, EshopBankServices

Daniel - MessageMicroservice, OrderMicroservice, ProductMicroservice

Client refactoring - Rees and Daniel

50% each total

Database Diagram

