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| Microservices | Request | Resource | Data | Description |
|---|---|---|---|---|
| Users | GET | /users | - | View a list of all users |
| | GET | /users/{user_id} | - | View details for a specific user |
| | PUT | /users/{user_id} | username, password, address, payment information, contact | Create a new user or update account information for a specific user |
| | DELETE | /users/{user_id} | - | Delete a user account of a specific user |
| Authentication | GET | /authentication | - | Show the authentication details of all users |
| | GET | /authentication/{user_id} | - | Show the authentication details of a specific user |
| | PUT | /authentication/{user_id} | username, password | Update the authentication details of a user (login or logout) |
| | DELETE | /authentication/{user_id} | - | Removes user from the authentication list |
| Items | GET | /items | - | Get all items |
| | GET | /items/{item_id} | - | Get a specific item |
| | PUT | /items/{item_id} | name, details | Create or update an item |
| | DELETE | /items/{item_id} | - | Delete an item |
| Auction creation | GET | /auctions | - | Get all auctions |
| | GET | /auctions/{auction_id}/items/{item_id} | - | Get specific information about a auction of a given item |
| | PUT | /auctions/{auction_id}/items/{item_id} | auction starting/end time, starting price, stock | Create or update an auction of an item |
| | DELETE | /auctions/{auction_id} | - | Delete an auction |
| Bidding | GET | /bids/{current_bid}/auctions/{auction_id} | - | Get current bid of an item |
| | PUT | /bids/{current_bid}/auctions/{auction_id} | bid value | Create or update the bidding price |
| | DELETE | /bids/{current_bid} | - | Delete a currently placed bid |
| Payment | GET | /payments | - | View payment history for items bought |
| | GET | /payments/{payment_id}/auctions/{auction_id} | - | View the payment for a specific item |
| | POST | /payments/{payment_id}/auctions/{auction_id} | final bid value, seller payment information | Make a payment for a given item |
| | DELETE | /payments/{payment_id} | - | Delete a given payment from the history |
| Categories | GET | /auctions/{auction_id}/categories | - | Get the categories of a specific item |
| | PUT | /auctions/{auction_id}/categories | categories | Create or update the categories of a specific item |
| | DELETE | /auctions/{auction_id}/categories/{category_id} | - | Delete a specific category of a given item |
| Delivery | GET | /deliveries | - | View all the delivery history |
| | GET | /deliveries/{delivery_id}/items/{item_id} | - | View the delivery of a specific item |
| | PUT | /deliveries/{delivery_id}/items/{item_id} | buyer address, phone number | Create or update the delivery information of a given item |
| Recommentadions | GET | /users/{user_id}/recommendations | - | Get the recommendations for a specific user |
| | PUT | /users/{user_id}/recommendations | recently bid/purchased items | Create or update the recommendations of a specific user |
| | DELETE | /users/{user_id}/recommendations | - | Delete a given recommendations |