

Group: Groovy

AWS Link

<https://dsstestsumbucket.s3.us-east-2.amazonaws.com/calc.html>

Request/Response Payloads

Seller Json

CREATE ACCOUNT

```
{
  "operationID": "seller_createAccount",
  "endpoint": "seller/createAccount",
  "method": "POST",
  "request": {
    "username": "sellerName",
    "password": "password123"
  },
  "response": {
    "success": {
      "code": 200,
      "message": "Seller account created successfully",
      "sellerID": 12345
    },
    "error": [{
      "code": 400,
      "message": "Failed to create seller account"
    },
    {
      "code": 401,
      "message": "Username Exists"
    }
  ]
}
```

CLOSE ACCOUNT

```
{
  "operationID": "seller_closeAccount",
  "endpoint": "seller/closeAccount",
```

```
"method": "POST",
"request": {
  "sellerID": 12345
},
"response": {
  "success": {
    "code": 200,
    "message": "Seller account closed successfully"
  },
  "error": {
    "code": 400,
    "message": "Failed to close seller account"
  }
}
}
```

LOGIN ACCOUNT

```
{
  "operationID": "seller_loginAccount",
  "endpoint": "seller/login",
  "method": "POST",
  "request": {
    "username": 12345,
    "password": "password123"
  },
  "response": {
    "success": {
      "code": 200,
      "message": "Login successful",
      "data": {
        "sellerID": 12345,
        "isFrozen": false,
        "isClosed": false,
        "Items": [{
          "ItemId": 001,
          "name": "Antique Lamp",
          "description": "A beautiful antique lamp.",
          "initial_price": 150.00,
          "images": "base64EncodedImageBlob",
          "startDate": "2024-10-06T12:00:00Z",
```

```

        "endDate": "2024-10-13T12:00:00Z",
        "isPublished": "true",
        "isFrozen": "false",
        "isArchived": "false",
        "isComplete": "false",
        "isFailed": "false",
        "biddingHistory": [
            {"BidId": "123", "BuyerId": "1111", "ItemID": "001",
            "BidAmount": 250},
            {"BidId": "124", "BuyerId": "2222", "ItemID": "001",
            "BidAmount": 200}
        ]
    },
{
    "name": "Antique Lamp 2",
    "ItemId": "002",
    "description": "A beautiful antique lamp.",
    "initial_price": 170.00,
    "images": "base64EncodedImageBlob",
    "startDate": "2024-10-06T12:00:00Z",
    "endDate": "2024-10-13T12:00:00Z",
    "isPublished": "true",
    "isFrozen": "false",
    "isArchived": "false",
    "isComplete": "false",
    "isFailed": "false",
    "biddingHistory": [
        {"BidId": "125", "BuyerId": "1111", "ItemID": "002",
        "BidAmount": 250},
        {"BidId": "126", "BuyerId": "2222", "ItemID": "002",
        "BidAmount": 200}
    ]
    }],
    "Funds": 0
}
},
"error": {
    "code": 400,
    "message": "Account is closed and cannot be logged in"
}
}
}

```

ADD ITEM

```
{
  "operationID": "seller_addItem",
  "endpoint": "seller/addItem",
  "method": "POST",
  "request": {
    "sellerID": 12345,
    "item": {
      "name": "Antique Lamp",
      "description": "A beautiful antique lamp.",
      "initial_price": 150.00,
      "images": "base64EncodedImageBlob",
      "startDate": "2024-10-06T12:00:00Z",
      "endDate": "2024-10-13T12:00:00Z",
      "isPublished": "true",
      "isFrozen": "false",
      "isArchived": "false",
      "isComplete": "false",
      "isFailed": "false",
    }
  },
  "response": {
    "success": {
      "code": 200,
      "message": "Item added successfully",
      "data": {
        "itemID": 67890,
        "bids": [],
      }
    },
    "error": {
      "code": 400,
      "message": "Failed to add item"
    }
  }
}
```

REMOVE INACTIVE ITEM

```
{
  "operationID": "removeInactiveItem",
  "endpoint": "seller/removeInactiveItem",
  "method": "POST",
  "request": {
    "sellerID": 12345,
    "itemID": 67890
  },
  "response": {
    "success": {
      "code": 200,
      "message": "Inactive item removed successfully",
      "data": {
        "itemID": 67890
      }
    },
    "error": {
      "code": 400,
      "message": "Failed to remove inactive item"
    }
  }
}
```

EDIT ITEM

```
{
  "operationID": "editItem",
  "endpoint": "seller/editItem",
  "method": "POST",
  "request": {
    "sellerID": 12345,
    "itemID": 67890,
    "updates": {
      "name": "Updated Antique Lamp",
      "description": "A beautiful antique lamp.",
      "initial_price": 150.00,
      "images": "base64EncodedImageBlob",
      "startDate": "2024-10-06T12:00:00Z",
      "endDate": "2024-10-13T12:00:00Z"
    }
  },
  "response": {
```

```
"success": {
  "code": 200,
  "message": "Item details updated successfully",
  "data": {
    "itemID": 67890
  }
},
"error": {
  "code": 400,
  "message": "Failed to update item details"
}
}
}
```

PUBLISH ITEM

```
{
  "operationID": "seller_publishItem",
  "endpoint": "seller/publishItem",
  "method": "POST",
  "request": {
    "sellerID": 12345,
    "itemID": 67890
  },
  "response": {
    "success": {
      "code": 200,
      "message": "Item published successfully",
      "data": {
        "sellerID": 12345,
        "itemID": 67890,
        "type": {
          "isActive": true,
          "isArchived": false,
          "isFrozen": false,
          "isComplete": "false",
          "isFailed": "false",
          "startDate": "2024-10-06T12:00:00Z"
        }
      }
    },
  },
}
```

```
    "error": {
      "code": 400,
      "message": "Failed to publish item"
    }
  }
}
```

REVIEW ITEMS

```
{
  "operationID": "seller_reviewItems",
  "endpoint": "seller/reviewItems",
  "method": "POST",
  "request": {
    "sellerID": 12345,
    "isPublished": "true",
    "isFrozen": "false",
    "isArchived": "false"
  },
  "response": {
    "success": {
      "code": 200,
      "message": "Items retrieved successfully",
      "data": {
        "Items": [
          {
            "name": "Antique Lamp",
            "ItemId": "001",
            "description": "A beautiful antique lamp.",
            "initial_price": 150.00,
            "images": "base64EncodedImageBlob",
            "startDate": "2024-10-06T12:00:00Z",
            "endDate": "2024-10-13T12:00:00Z",
            "isPublished": "true",
            "isFrozen": "false",
            "isArchived": "false",
            "isComplete": "false",
            "isFailed": "false",
            "biddingHistory": [
```

```

        {"BidId": "123", "BuyerId": "1111", "ItemID": "001",
        "BidAmount": 250},
        {"BidId": "124", "BuyerId": "2222", "ItemID": "001",
        "BidAmount": 200}
    ]
}
]
},
"error": {
    "code": 400,
    "message": "Failed to retrieve items"
}
}
}

```

Fullfill ITEMS

```

{
    "operationID": "seller_fulfillItem",
    "endpoint": "seller/fulfillItem",
    "method": "POST",
    "request": {
        "buyerID": 12345,
        "itemID": 67890,
        "sellerID": 54321
    },
    "response": {
        "success": {
            "code": 200,
            "message": "Item fulfilled successfully. Funds transferred.",
            "data": {
                "buyerID": 12345,
                "itemID": 67890,
                "sellerID": 54321,
                "sellerfunds": 180.00,
                "isArchived": "true"
            }
        },
        "error": {
            "code": 400,

```



```
    "message": "Failed to fulfill item"
  }
}
```

Unpublish ITEMS

```
{
  "operationID": "seller_unpublishItem",
  "endpoint": "seller/unpublishItem",
  "method": "POST",
  "request": {
    "sellerID": 12345,
    "itemID": 67890
  },
  "response": {
    "success": {
      "code": 200,
      "message": "Item unpublished successfully",
      "data": {
        "sellerID": 12345,
        "itemID": 67890,
        "type": {
          "isActive": false
        }
      }
    },
    "error": {
      "code": 400,
      "message": "Failed to unpublish item"
    }
  }
}
```

Archive ITEMS

```
{
  "operationID": "seller_archiveItem",
```

```
"endpoint": "seller/archiveItem",
"method": "POST",
"request": {
  "sellerID": 12345,
  "itemID": 67890
},
"response": {
  "success": {
    "code": 200,
    "message": "Item archived successfully",
    "data": {
      "sellerID": 12345,
      "itemID": 67890,
      "type": {
        "isActive": false,
        "isArchived": true,
      }
    }
  },
  "error": {
    "code": 400,
    "message": "Failed to archive item"
  }
}
}
```

Request Unfreeze Account

```
{
  "operationID": "seller_requestUnfreeze",
  "endpoint": "seller/requestUnfreeze",
  "method": "POST",
  "request": {
    "sellerID": 12345
  },
  "response": {
    "pending": {
      "code": 200,
      "message": "Unfreeze request is pending review",
      "data": {
```

```
        "sellerID": 12345,
        "requestDate": "2024-10-06"
    },
    "error": {
        "code": 400,
        "message": "Failed to request unfreeze"
    }
}
```

Request Unfreeze ITEMS

```
{
  "operationID": "seller_requestUnfreezeItem",
  "endpoint": "seller/requestUnfreezeItem",
  "method": "POST",
  "request": {
    "sellerID": 12345,
    "itemID": 67890
  },
  "response": {
    "pending": {
      "code": 200,
      "message": "Unfreeze request for item is pending review",
      "data": {
        "itemID": 67890,
        "requestDate": "2024-10-06"
      }
    },
    "error": {
      "code": 400,
      "message": "Failed to request unfreeze for item"
    }
  }
}
```

Buyer Json

OPEN ACCOUNT

```
{
  "operationID": "buyer_createAccount",
  "endpoint": "buyer/createAccount",
  "method": "POST",
  "request": {
    "username": "buyerName",
    "password": "password123"
  },
  "response": {
    "success": {
      "buyerID": 12345
      "code": 200,
      "message": "Buyer account created successfully"
    }
    "error": [{
      "code": 400,
      "message": "Buyer Account Cannot be created"
    },
    {
      "code": 401,
      "message": "Username Exists"
    }
  ]
}
```

CLOSE ACCOUNT

```
{
  "operationID": "buyer_closeAccount",
  "endpoint": "buyer/closeAccount",
  "method": "POST",
  "request": {
    "buyerID": 12345
  },
  "response": {
    "success": {
```

```
"code": 200,
"message": "Buyer account closed successfully"
}
"error": {
  "code": 400,
  "message": "Buyer Account Cannot be closed"
}
}
```

LOGIN ACCOUNT

```
{
  "operationID": "buyer_loginAccount",
  "endpoint": "buyer/login",
  "method": "POST",
  "request": {
    "username": "buyer12345",
    "password": "password123"
  },
  "response": {
    "success": {
      "code": 200,
      "message": "Login successful",
      "data": {
        "buyerID": buyer12345,
        "isFrozen": false,
        "isClosed": false,
        "Items": [{
          "ItemId": 001,
          "name": "Antique Lamp",
          "description": "A beautiful antique lamp.",
          "initial_price": 150.00,
          "images": "base64EncodedImageBlob",
          "startDate": "2024-10-06T12:00:00Z",
          "endDate": "2024-10-13T12:00:00Z",
          "isPublished": "true",
          "isFrozen": "false",
          "isArchived": "false",
          "isComplete": "false",
          "isFailed": "false",
          "biddingHistory": [
```

```

        {"BidId": "123", "BuyerId": "1111", "ItemID": "001",
        "BidAmount": 250},
        {"BidId": "124", "BuyerId": "2222", "ItemID": "001",
        "BidAmount": 200}
    ],
    },
    {
        "ItemId": 002,
        "name": "Laptop",
        "description": "Laptop with touchscreen.",
        "initial_price": 850.00,
        "images": "base64EncodedImageBlob",
        "startDate": "2024-10-06T12:00:00Z",
        "endDate": "2024-10-13T12:00:00Z",
        "isPublished": "true",
        "isFrozen": "false",
        "isArchived": "false",
        "isComplete": "false",
        "isFailed": "false",
        "biddingHistory": [
            {"BidId": "123", "BuyerId": "1111", "ItemID": "002",
            "BidAmount": 950},
            {"BidId": "124", "BuyerId": "2222", "ItemID": "002",
            "BidAmount": 1000}
        ]
    }
],
"Funds": 0

}
"error": {
"code": 400,
"message": "Account is closed and cannot be logged in"
}
}
}

```

ADD Funds

```

{
    "operationID": "buyer_addFunds",

```

```
"endpoint": "buyer/addFunds",
"method": "POST",
"request": {
  "buyerID": 12345,
  "funds" : 1000
},
"response": {
  "success": {
    "data":{
      "total_funds" : 1100
    }
  },
  "code": 200,
  "message": "Funds added successfully in Buyer's account"
},
"error": {
  "code": 400,
  "message": "Failed to add funds"
}
}
}
```

Search Recently Sold

```
{
  "operationID": "buyer_searchSoldItem",
  "endpoint": "buyer/searchSoldItem",
  "method": "POST",
  "request": {
    "isActive": "True",
    "isComplete": "True",
    "isFrozen": "True",
    "isPurchased": "False",
    "minPrice": 0,
    "maxPrice":1000000,
    "searchQuery": "laptop with i3 processor",
    "currentTime" : "2024-10-06T12:00:00Z"
  },
  "response": {
    "success": {
      "code": 200,
      "Items": [{
```

```

        "ItemId": 001,
        "name": "Antique Lamp",
        "description": "A beautiful antique lamp.",
        "initial_price": 150.00,
        "images": "base64EncodedImageBlob",
        "startDate": "2024-10-06T12:00:00Z",
        "endDate": "2024-10-13T12:00:00Z",
        "isPublished": "true",
        "isFrozen": "false",
        "isArchived": "false",
        "isComplete": "false",
        "isFailed": "false",
        "biddingHistory": [
            {"BidId": "123", "BuyerId": "1111", "ItemID": "001",
            "BidAmount": 250},
            {"BidId": "124", "BuyerId": "2222", "ItemID": "001",
            "BidAmount": 200}
        ]
    }],
    "message": "search successfully"
},
"error": {
    "code": 400,
    "message": "Failed to search Items"
}
}
}

```

Sort Recently Sold

```

{
    "operationID": "buyer_sortSoldItem",
    "endpoint": "buyer/sortSoldItem",
    "method": "POST",
    "request": {
        "sortBy": "Price",
        "order": "ascending"
    },
    "response": {
        "success":

```



```

"code": 200,
  "recentlySoldItems": [{
    "ItemId": 001,
    "name": "Antique Lamp",
    "description": "A beautiful antique lamp.",
    "initial_price": 150.00,
    "images": "base64EncodedImageBlob",
    "startDate": "2024-10-06T12:00:00Z",
    "endDate": "2024-10-13T12:00:00Z",
    "isPublished": "true",
    "isFrozen": "false",
    "isArchived": "false",
    "isComplete": "true",
    "isFailed": "false",
    "biddingHistory": [
      {"BidId": "123", "BuyerId": "1111", "ItemID": "001",
      "BidAmount": 250},
      {"BidId": "124", "BuyerId": "2222", "ItemID": "001",
      "BidAmount": 200}
    ]
  }],
  "message": "sort successfully"
},
"error": {
  "code": 400,
  "message": "Failed to search Items"
}
}
}

```

REVIEW ITEMS

```

{
  "operationID": "buyer_viewItem",
  "endpoint": "buyer/viewItem",
  "method": "POST",
  "request": {
    "buyerID": 12345,
    "isComplete": "true",
    "isActive": "true",
    "isFrozen": "false"
  }
}

```

```

},
"response": {
  "success": {
    "code": 200,
    "Items": [{
      "ItemId": 001,
      "name": "Antique Lamp",
      "description": "A beautiful antique lamp.",
      "initial_price": 150.00,
      "images": "base64EncodedImageBlob",
      "startDate": "2024-10-06T12:00:00Z",
      "endDate": "2024-10-13T12:00:00Z",
      "isPublished": "true",
      "isFrozen": "false",
      "isArchived": "false",
      "isComplete": "false",
      "isFailed": "false",
      "biddingHistory": [
        {"BidId": "123", "BuyerId": "1111", "ItemID": "001",
        "BidAmount": 250},
        {"BidId": "124", "BuyerId": "2222", "ItemID": "001",
        "BidAmount": 200}
      ]
    }],
    "message": "Items retrieved successfully"
  },
  "error": {
    "code": 400,
    "message": "Failed to search Items"
  }
}
}

```

PLACE BID

```

{
  "operationID": "buyer_placeBid",
  "endpoint": "buyer/placeBid",

```

```

"method": "POST",
"request": {
  "buyerID": 1111,
  "itemID" : 111,
  "bidAmount" : 666
},
"response": "success": {
  "code": 200,
  "BidValue":666,
  "AvailableFunds": 400
  "message": "Bid on Item 111 posted successfully"
},
"error": [{
  "code": 400,
  "message": "Failed to bid on Item"
},
{
  "code": 401,
  "message": "Insufficient Funds"
}
]
}
}

```

Review Active Bids

```

{
  "operationID": "buyer_review_active_bids",
  "endpoint": "buyer/review_active_bids",
  "method": "POST",
  "request": {
    "buyerID": 12345,
  },
  "response": {
    "success": {
      "code": 200,
      "message": "Review active bids successfully",
      "active_bids": [{
        "ItemId": 001,
        "name": "Antique Lamp",
        "description": "A beautiful antique lamp.",

```

```
"initial_price": 150.00,
"images": "base64EncodedImageBlob",
"startDate": "2024-10-06T12:00:00Z",
"endDate": "2024-10-13T12:00:00Z",
"isPublished": "true",
"isFrozen": "false",
"isArchived": "false",
"isComplete": "false",
"isFailed": "false",
"biddingHistory": [
  {"BidId": "123", "BuyerId": "1111", "ItemID": "001",
"BidAmount": 250},
  {"BidId": "124", "BuyerId": "2222", "ItemID": "001",
"BidAmount": 200}
],
},
{
  "ItemId": 002,
  "name": "Laptop",
  "description": "Laptop with touchscreen.",
  "initial_price": 850.00,
  "images": "base64EncodedImageBlob",
  "startDate": "2024-10-06T12:00:00Z",
  "endDate": "2024-10-13T12:00:00Z",
  "isPublished": "true",
  "isFrozen": "false",
  "isArchived": "false",
  "isComplete": "false",
  "isFailed": "false",
  "biddingHistory": [
    {"BidId": "123", "BuyerId": "1111", "ItemID": "002",
"BidAmount": 950},
    {"BidId": "124", "BuyerId": "2222", "ItemID": "002",
"BidAmount": 1000}
  ]

}],
"Funds": 200
},
"error": {
  "code": 400,
  "message": "Failed to find bid"
}
}
```

```
    }  
  },  
}
```

Review Purchases

```
{  
  "operationID": "buyer_review_purchases",  
  "endpoint": "buyer/review_purchases",  
  "method": "POST",  
  "request": {  
    "buyerID": 12345  
  },  
  "response": {  
    "success": {  
      "code": 200,  
      "message": "Review purchases successfully",  
      "purchases": [{  
        "ItemId": 001,  
        "name": "Antique Lamp",  
        "description": "A beautiful antique lamp.",  
        "purchase_Price": 150.00,  
        "images": "base64EncodedImageBlob"  
      }  
    ],  
    },  
    {  
      "ItemId": 002,  
      "name": "Laptop",  
      "description": "Laptop with touchscreen.",  
      "purchase_price": 850.00,  
      "images": "base64EncodedImageBlob"  
    }  
  ]  
},  
  "error": {  
    "code": 400,  
    "message": "Failed to find purchases"  
  }  
}  
},
```

Request Unfreeze

```
{
  "operationID": "buyer_request_unfreeze",
  "endpoint": "buyer/request_unfreeze",
  "method": "POST",
  "request": {
    "buyerID": 12345,
  },
  "response": {
    "success": {
      "code": 200,
      "message": "Request unfreeze successfully",
    },
    "error": {
      "code": 400,
      "message": "Failed to request unfreeze"
    }
  }
},
```

Admin Json

Freeze/Unfreeze Buyer

```
{
  "operationID": "admin_freeze_unfreeze_buyer",
  "endpoint": "admin/freeze_unfreeze_buyer",
  "method": "POST",
  "request": {
    "freeze": "false",
    "buyerID": 12345,
    "admin_credential": "credential"
  },
  "response": {
    "success": {
      "code": 200,
      "message": "Buyer account {freeze/unfreeze} successfully",
    },
    "error": {
      "code": 400,
      "message": "Failed to freeze buyer account"
    }
  }
},
```

Freeze/Unfreeze Seller

```
{
  "operationID": "admin_freeze_unfreeze_seller",
  "endpoint": "admin/freeze_unfreeze_seller",
  "method": "POST",
  "request": {
    "freeze": "false",
    "sellerID": 67890,
    "admin_credential": "credential"
  },
  "response": {
    "success": {
      "code": 200,
      "message": "Seller account {freeze/unfreeze} successfully",
    },
  },
}
```

```
    "error": {
      "code": 400,
      "message": "Failed to freeze seller account"
    }
  },
},
```

Freeze/Unfreeze ITEMS

```
{
  "operationID": "admin_freeze_unfreeze_item",
  "endpoint": "admin/freeze_unfreeze_item",
  "method": "POST",
  "request": {
    "freeze": "false",
    "itemID": 12345,
    "admin_credential": "credential"
  },
  "response": {
    "success": {
      "code": 200,
      "message": "Item {freeze/unfreeze} successfully",
    },
    "error": {
      "code": 400,
      "message": "Failed to freeze item"
    }
  }
},
```

Generate Auction Report

```
{
  "operationID": "admin_generate_auction_report",
  "endpoint": "admin/generate_auction_report",
  "method": "POST",
  "request": {
    "itemID": 12345,
    "admin_credential": "credential"
  },
}
```



```

"response": {
  "success": {
    "code": 200,
    "item": {
      "name": "Antique Lamp",
      "ItemId": 12345,
      "description": "A beautiful antique lamp.",
      "initial_price": 150.00,
      "images": "base64EncodedImageBlob",
      "startDate": "2024-10-06T12:00:00Z",
      "endDate": "2024-10-13T12:00:00Z",
      "isPublished": "true",
      "isFrozen": "false",
      "isArchived": "false",
      "biddingHistory": [
        {"BidId": "123", "BuyerId": "1111", "ItemID":
12345, "BidAmount": 250},
        {"BidId": "124", "BuyerId": "2222", "ItemID":
12345, "BidAmount": 200}
      ],
      "purchase_price": 250,
      "profit": 12.50,
      "message": "Auction Report generate successfully",
    },
    "error": {
      "code": 400,
      "message": "Failed to generate auction report"
    }
  }
},

```

Generate Forensics Report

```

{
  "operationID": "admin_generate_forensics_report",
  "endpoint": "admin/generate_forensics_report",
  "method": "POST",
  "request": {
    "admin_credential": "credential"
  },

```

```
"response": {
  "success": {
    "code": 200,
    "item_list": [{
      "name": "Antique Lamp",
      "ItemId": 12345,
      "purchase_price": 250,
      "profit": 12.50
    },
    {
      "name": "Antique Lamp",
      "ItemId": 12346,
      "purchase_price": 200,
      "profit": 10.00
    },
    {
      "name": "Antique Lamp",
      "ItemId": 12347,
      "purchase_price": 150,
      "profit": 7.50
    }
  ],
  "Total_profit": 30.00,
  "message": "Forensics Report generate successfully",
},
"error": {
  "code": 400,
  "message": "Failed to generate forensics report"
}
},
},
```

Customer Json

Search Items

```
{
  "operationID": "customer_searchItems",
  "endpoint": "customer/searchItems",
  "method": "GET",
  "request": {
    "searchKeyword": "vintage",
    "minPrice": 100,
    "maxPrice": 500
  },
  "response": {
    "success": {
      "code": 200,
      "message": "Items found successfully",
      "data": [
        {
          "itemID": "item001",
          "name": "Vintage Watch",
          "price": 300,
          "itemImage": "base64EncodedImageBlob"
          "start": "2024-10-01T00:00:00Z",
          "end": "2024-10-08T23:59:59Z"
        },
        {
          "itemID": "item002",
          "name": "Antique Lamp",
          "price": 150,
          "itemImage": "base64EncodedImageBlob"
          "start": "2024-10-02T00:00:00Z",
          "end": "2024-10-09T23:59:59Z"
        }
      ]
    },
    "error": {
      "code": 404,
      "message": "No items found matching the search criteria"
    }
  }
},
```

Sort Items

```
{
  "operationID": "customer_sortItems",
  "endpoint": "customer/sortItems",
  "method": "GET",
  "request": {
    "sortBy": "price",
    "order": "ascending"
  },
  "response": {
    "success": {
      "code": 200,
      "message": "Items sorted successfully",
      "data": [
        {
          "itemID": "item002",
          "name": "Antique Lamp",
          "price": 150,
          "itemImage": "base64EncodedImageBlob"
          "start": "2024-10-02T00:00:00Z",
          "end": "2024-10-09T23:59:59Z"
        },
        {
          "itemID": "item001",
          "name": "Vintage Watch",
          "price": 300,
          "start": "2024-10-01T00:00:00Z",
          "end": "2024-10-08T23:59:59Z"
        }
      ]
    },
    "error": {
      "code": 400,
      "message": "Failed to sort items"
    }
  }
},
```

View Item

```
{
  "operationID": "customer_viewItem",
  "endpoint": "customer/viewItem",
  "method": "GET",
  "request": {
    "itemID": "item001"
  },
  "response": {
    "success": {
      "code": 200,
      "message": "Item details retrieved successfully",
      "data": {
        "name": "Vintage Watch",
        "description": "A classic watch from the 1950s.",
        "images": ["image1.png", "image2.png"],
        "highestBid": 300,
        "startDate": "2024-10-06T12:00:00Z",
        "endDate": "2024-10-13T12:00:00Z",
      }
    },
    "error": {
      "code": 404,
      "message": "Item not found or inactive"
    }
  }
}
```