

Delivery App Simulator



Acknowledgement

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Project Guide

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Technology Stack: Java, Spring Boot, Maven, Rest APIs, Git

INTRODUCTION:

The **Delivery App Simulator** is a Spring Boot–based application designed to emulate the core functionality of a real-world delivery platform. It enables customers to place orders, track delivery status, and view order history while ensuring accurate order processing and delivery management.

The system leverages **RESTful APIs** for modular and scalable backend design, enabling easy integration with frontend applications or third-party services. For data persistence, it supports **MongoDB** or relational databases, storing detailed order and delivery information for quick retrieval and historical analysis.

For development workflow, the project uses **Git for version control**, allowing collaborative development, code tracking, and rollback if necessary. **Postman collections** are included for API testing, ensuring that endpoints function correctly and meet expected requirements.

OBJECTIVES:

Customer Order Management:

Enable customers to easily place, update, and cancel delivery orders through a user-friendly interface. The system ensures smooth order handling and efficient processing.

Real-Time Delivery Tracking:

Provide live updates on the status of deliveries(PENDING, IN_TRANSIT, DELIVERED) so that customers and administrators can monitor orders at any time.

Order and Delivery History:

Maintain a comprehensive history of all orders and deliveries, allowing users to review past transactions and track repeat orders.

Modular API Design with Spring Boot:

Use Spring Boot to build modular, scalable, and maintainable APIs. The architecture follows clean coding principles and ensures easy integration with other systems.

Development and Testing Support:

Leverage Git for version control and Postman collections for testing APIs. This ensures collaborative development, efficient debugging, and reliable deployment.

KEY FEATURES:

- **Order Management** – Place, update, cancel, and view orders.
- **Delivery Tracking** – Track delivery status in real time.
- **Item Management** – Add, update, and fetch delivery items with pricing.
- **Order History** – Retrieve complete order history for any customer.
- **Modular API Design** – Built with Spring Boot REST APIs following OOP principles.
- **Database Persistence** – Store and retrieve orders, deliveries, and items reliably.
- **Development Tools** – Uses Maven for build lifecycle, Git for version control, and Postman for testing.

TOOLS AND TECHNOLOGIES:

SpringBoot :

Used for building the RESTful backend API with modular, scalable architecture.

MongoDB / Relational Database:

Stores order, delivery, and user information with efficient retrieval and query support.

Postman:

For API testing and validation of endpoints, including GET, PUT, and POST requests.

Git :

Version control system for code management, collaboration, and maintaining project history.

Maven / Gradle :

Build tools for dependency management and project automation.

Spring Data JPA / Spring Data MongoDB:

Simplifies data access and repository implementation.

Code Implementation:

Entity class:

Item.java:

```
package com.delivery.entity;

import org.springframework.data.annotation.Id;
import org.springframework.data.mongodb.core.mapping.Document;

@Document(collection = "items")
public class Item {

    @Id
    private String id;
    private String name;
    private Double price;

    public Item() { }

    public Item(String id, String name, Double price) {
        super();
        this.id = id;
        this.name = name;
        this.price = price;
    }

    public String getId() { return id; }
    public void setId(String id) { this.id = id; }
    public String getName() { return name; }
    public void setName(String name) { this.name = name; }
    public Double getPrice() { return price; }
    public void setPrice(Double price) { this.price = price; }
}
```

Order.java:

```
package com.delivery.entity;

import java.time.LocalDateTime;

import java.util.List;

import org.springframework.data.annotation.Id;

import org.springframework.data.mongodb.core.mapping.Document;

import com.fasterxml.jackson.annotation.JsonProperty;

@Document(collection = "orders")

public class Order {

    @Id

    private String id;

    @JsonProperty("userId")

    private String customerId;

    private String address;

    private Double price;

    private String status; // NEW, PROCESSING, DELIVERED, CANCELLED

    private LocalDateTime createdAt = LocalDateTime.now();

    private LocalDateTime updatedAt = LocalDateTime.now();

    private List<String> itemIds;

    public Order() {}

    public List<String> getItemIds() { return itemIds; }

    public void setItemIds(List<String> itemIds) { this.itemIds = itemIds; }

    public String getId() { return id; }

    public void setId(String id) { this.id = id; }

    public String getCustomerId() { return customerId; }

    public void setCustomerId(String customerId) { this.customerId = customerId; }

    public String getAddress() { return address; }
```

```

public void setAddress(String address) { this.address = address; }

public Double getPrice() { return price; }

public void setPrice(Double price) { this.price = price; }

public String getStatus() { return status; }

public void setStatus(String status) { this.status = status; }

public LocalDateTime getCreatedAt() { return createdAt; }

public void setCreatedAt(LocalDateTime createdAt) { this.createdAt = createdAt; }

public LocalDateTime getUpdatedAt() { return updatedAt; }

public void setUpdatedAt(LocalDateTime updatedAt) { this.updatedAt = updatedAt; }
}

```

Delivery.java

```

package com.delivery.entity;

import java.time.LocalDateTime;

import org.springframework.data.annotation.Id;

import org.springframework.data.mongodb.core.mapping.Document;

@Document(collection = "deliveries")

public class Delivery {

    @Id

    private String id;

    private String orderId;

    private String status; // PENDING, IN_TRANSIT, DELIVERED

    private LocalDateTime createdAt = LocalDateTime.now();

    private LocalDateTime updatedAt = LocalDateTime.now();


    public Delivery() { }

    public Delivery(String id, String orderId, String status, LocalDateTime createdAt,
LocalDateTime updatedAt) {

        this.id = id;

        this.orderId = orderId;

        this.status = status;

```

```

        this.createdAt = createdAt;

        this.updatedAt = updatedAt; }

    public String getId() {        return id; }

    public void setId(String id) { this.id = id; }

    public String getOrderId() { return orderId; }

    public void setOrderId(String orderId) { this.orderId = orderId; }

    public String getStatus() {    return status; }

    public void setStatus(String status) { this.status = status; }

    public LocalDateTime getCreatedAt() {    return createdAt; }

    public void setCreatedAt(LocalDateTime createdAt) {

        this.createdAt = createdAt; }

    public LocalDateTime getUpdatedAt() {    return updatedAt; }

    public void setUpdatedAt(LocalDateTime updatedAt) {    this.updatedAt =
updatedAt;

    }

}

```

Repository Layer:

ItemRepository.java:

```

package com.delivery.repository;

import org.springframework.data.mongodb.repository.MongoRepository;
import org.springframework.stereotype.Repository;
import com.delivery.entity.Item;

@Repository

public interface ItemRepository extends MongoRepository<Item,String>{

}

```

OrderRepository.java:

```
package com.delivery.repository;  
  
import java.util.List;  
  
import org.springframework.data.mongodb.repository.MongoRepository;  
import org.springframework.stereotype.Repository;  
import com.delivery.entity.Order;
```

@Repository

```
public interface OrderRepository extends MongoRepository<Order, String> {  
    List<Order> findByCustomerId(String customerId);  
  
}
```

DeliveryRepository.java:

```
package com.delivery.repository;  
  
import org.springframework.data.mongodb.repository.MongoRepository;  
import org.springframework.stereotype.Repository;  
import com.delivery.entity.Delivery;  
  
@Repository  
  
public interface DeliveryRepository extends MongoRepository<Delivery, String> {  
    Delivery findByOrderId(String orderId);  
  
}
```


Service Layer:

ItemService:

```
package com.delivery.service;

import java.util.List;

import org.springframework.stereotype.Service;

import com.delivery.entity.Item;

import com.delivery.repository.ItemRepository;
```

@Service

```
public class ItemService {

    private final ItemRepository itemRepo;

    public ItemService(ItemRepository itemRepo) {

        this.itemRepo = itemRepo;    }

    public List<Item> getAllItems() {

        return itemRepo.findAll();

    }

    public Item addItem(Item item) {

        return itemRepo.save(item);

    }

    public Item updateItem(String id, Item updated) {

        if(itemRepo.findById(id) != null) {

            System.out.println("Item found");

        }else {

            System.out.println("Item not found::");

        }

        return itemRepo.save(updated);

    }

}
```

OrderService.java:

```
package com.delivery.service;

import java.time.LocalDateTime;
import java.util.List;
import java.util.Optional;
import org.springframework.stereotype.Service;
import com.delivery.entity.Item;
import com.delivery.entity.Order;
import com.delivery.repository.ItemRepository;
import com.delivery.repository.OrderRepository;

@Service
public class OrderService {

    private final OrderRepository orderRepo;
    private final ItemRepository itemRepo;

    public OrderService(OrderRepository orderRepo, ItemRepository itemRepo) {
        this.orderRepo = orderRepo;
        this.itemRepo = itemRepo;
    }

    public Order placeOrder(Order order) {
        double totalPrice = 0.0;
        if (order.getItemIds() != null && !order.getItemIds().isEmpty()) {
            for (int i = 0; i < order.getItemIds().size(); i++) {
                String itemId = order.getItemIds().get(i);
                Optional<Item> itemOpt = itemRepo.findById(itemId);
                if (itemOpt.isPresent()) {
                    Item item = itemOpt.get();
                    if (item.getPrice() != null) {
                        totalPrice += item.getPrice();
                    }
                }
            }
        }
    }
}
```

```

        } else {
            System.out.println("⚠ Item price is null for: " + itemId);
        }
    } else {
        System.out.println("⚠ Item not found: " + itemId);
    }
}

} else {
    System.out.println("⚠ No item IDs provided!");
}

order.setPrice(totalPrice);
order.setStatus("NEW");
order.setCreatedAt(LocalDate.now());
order.setUpdatedAt(LocalDate.now());
return orderRepo.save(order);
}

public Order updateOrder(String id, Order updated) {
    Optional<Order> existingOpt = orderRepo.findById(id);
    if (!existingOpt.isPresent()) {
        throw new RuntimeException("Order not found: " + id);
    }

    Order existing = existingOpt.get();
    if (updated.getAddress() != null) {
        existing.setAddress(updated.getAddress());
    }

    if (updated.getItemIds() != null && !updated.getItemIds().isEmpty()) {
        existing.setItemIds(updated.getItemIds());
        double totalPrice = 0.0;
        for (int i = 0; i < updated.getItemIds().size(); i++) {
            String itemId = updated.getItemIds().get(i);

```

```

Optional<Item> itemOpt = itemRepo.findById(itemId);
if (itemOpt.isPresent()) {
    Item item = itemOpt.get();
    if (item.getPrice() != null) {
        totalPrice += item.getPrice();
    } else {
        System.out.println("⚠ Item price is null for: " + itemId);
    }
} else {
    System.out.println("⚠ Item not found: " + itemId);
}
}
existing.setPrice(totalPrice);
}
existing.setUpdatedAt(LocalDate.now());
return orderRepo.save(existing);
}

public void cancelOrder(String id) {
    orderRepo.deleteById(id);
}

public List<Order> getOrder(String id) {
    return orderRepo.findAll();
}

public List<Order> getHistory(String customerId) {
    return orderRepo.findByCustomerId(customerId);
}
}

```

DeliveryService:

```
package com.delivery.service;

import java.time.LocalDateTime;
import org.springframework.stereotype.Service;
import com.delivery.entity.Delivery;
import com.delivery.repository.DeliveryRepository;

@Service
public class DeliveryService {

    private final DeliveryRepository deliveryRepo;

    public DeliveryService(DeliveryRepository deliveryRepo) {
        this.deliveryRepo = deliveryRepo;
    }

    public Delivery getStatus(String orderId) {
        return deliveryRepo.findById(orderId);
    }

    public Delivery updateStatus(String orderId, String status) {
        Delivery delivery = deliveryRepo.findById(orderId);
        if (delivery == null) {
            delivery = new Delivery();
            delivery.setOrderId(orderId);
        }
        delivery.setStatus(status);
        delivery.setUpdatedAt(LocalDateTime.now());
        return deliveryRepo.save(delivery);
    }
}
```

Controller Layer:

ItemController.java:

```
package com.delivery.controller;

import java.util.List;
import java.util.Map;

import org.springframework.http.ResponseEntity;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.PostMapping;
import org.springframework.web.bind.annotation.PutMapping;
import org.springframework.web.bind.annotation.RequestBody;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RestController;
import com.delivery.entity.Item;
import com.delivery.service.ItemService;

@RestController
@RequestMapping("/items")
public class ItemController {

    private final ItemService itemService;

    public ItemController(ItemService itemService) {

        this.itemService = itemService;
    }

    @GetMapping
    public List<Item> getItems() {

        return itemService.getAllItems();
    }

    @PostMapping("/add")
    public ResponseEntity<Object> addItem(@RequestBody Item item) {
```

```

        Item saved = itemService.addItem(item);

        return ResponseEntity.ok(Map.of("message", "Item added successfully", "data", saved));
    }

    @PutMapping("/{id}")
    public ResponseEntity<Object> updateItem(@PathVariable String id, @RequestBody Item
item) {

        Item updated = itemService.updateItem(id, item);

        return ResponseEntity.ok(Map.of("message", "Item updated successfully", "data",
updated));
    }
}

```

OrderController.java:

```

package com.delivery.controller;

import java.util.List;
import java.util.Map;
import org.springframework.http.ResponseEntity;
import org.springframework.web.bind.annotation.DeleteMapping;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.PostMapping;
import org.springframework.web.bind.annotation.PutMapping;
import org.springframework.web.bind.annotation.RequestBody;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RestController;
import com.delivery.entity.Order;
import com.delivery.service.OrderService;

@RestController
@RequestMapping("/orders")
public class OrderController {

    private final OrderService orderService;

    public OrderController(OrderService orderService) {

```

```

        this.orderService = orderService;
    }

    @PostMapping("/add")
    public ResponseEntity<Object> placeOrder(@RequestBody Order order) {
        Order saved = orderService.placeOrder(order);
        return ResponseEntity.ok(Map.of("message", "Order placed successfully", "data",
saved));
    }

    @GetMapping("/{id}")
    public List<Order> getOrder(@PathVariable String id) {
        return orderService.getOrder(id);
    }

    @PutMapping("/{id}")
    public Order updateOrder(@PathVariable String id, @RequestBody Order order) {
        return orderService.updateOrder(id, order);
    }

    @DeleteMapping("/{id}")
    public void cancelOrder(@PathVariable String id) {
        orderService.cancelOrder(id);
    }

    @GetMapping("/history/{userId}")
    public List<Order> getHistory(@PathVariable String userId) {
        return orderService.getHistory(userId);
    }
}

```

DeliveryController.java:

```

package com.delivery.controller;

import java.util.Map;

import org.springframework.http.ResponseEntity;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;

```



```

import org.springframework.web.bind.annotation.PutMapping;
import org.springframework.web.bind.annotation.RequestBody;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RestController;
import com.delivery.entity.Delivery;
import com.delivery.service.DeliveryService;

@RestController
@RequestMapping("/delivery")
public class DeliveryController {
    private final DeliveryService deliveryService;

    public DeliveryController(DeliveryService deliveryService) {
        this.deliveryService = deliveryService;
    }

    @GetMapping("/{orderId}/status")
    public ResponseEntity<Object> getStatus(@PathVariable String orderId) {
        Delivery deliver = deliveryService.getStatus(orderId);
        return ResponseEntity.ok(Map.of(
            "message", "Delivery status fetched successfully",
            "data", deliver
        ));
    }

    @PutMapping("/{orderId}/cancel")
    public ResponseEntity<Object> cancelOrder(@PathVariable String orderId) {
        Delivery deliver = deliveryService.getStatus(orderId);
        if (deliver == null) {
            return ResponseEntity.notFound().build();
        }
        String status = deliver.getStatus() != null ? deliver.getStatus().toUpperCase() : "";
        if ("DELIVERED".equals(status)) {
            return ResponseEntity

```

```

        .badRequest()
        .body(Map.of("message", "Order already delivered, cannot cancel", "data",
deliver));
    }
    if ("CANCELLED".equals(status)) {
        return ResponseEntity
            .badRequest()
            .body(Map.of("message", "Order already cancelled", "data", deliver));
    }
    Delivery updated = deliveryService.updateStatus(orderId, "CANCELLED");
    return ResponseEntity.ok(Map.of("message", "Order cancelled successfully", "data",
updated));
}

@PutMapping("/{orderId}/update")
public ResponseEntity<Object> updateStatus(@PathVariable String orderId,
    @RequestBody Delivery request) {
    Delivery updated = deliveryService.updateStatus(orderId, request.getStatus());
    return ResponseEntity.ok(Map.of(
        "message", "Delivery status updated successfully",
        "data", updated
    ));
}

```

OutPut Format:

Items List:

1.POST Request (Add New Item):

- **Method:** POST
- **URL:** http://localhost:8080/items/add

POST ▼ http://localhost:8080/items/add

Params Authorization Headers (9) **Body** ● Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▼

```
1 {
2   "name": "samsung",
3   "price": "15000"
4 }
5
```

Body Cookies Headers (5) Test Results ↺

{} JSON ▼ ▶ Preview 🖼 Visualization

```
1 {
2   "data": {
3     "id": "68d15a10f5c880f6ce786fb6",
4     "name": "samsung",
5     "price": 15000.0
6   },
7   "message": "Item added successfully"
8 }
```

POST ▼ http://localhost:8080/items/add

Params Authorization Headers (9) **Body** ● Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▼

```
1 {
2   "name": "Nokia",
3   "price": "5000"
4 }
```

Body Cookies Headers (5) Test Results ↺

{} JSON ▼ ▶ Preview 🖼 Visualization

```
1 {
2   "data": {
3     "id": "68d15a51f5c880f6ce786fb7",
4     "name": "Nokia",
5     "price": 5000.0
6   },
7   "message": "Item added successfully"
8 }
```

POST http://localhost:8080/items/add

Params Authorization Headers (9) **Body** Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▾

```
1 {
2   "name": "Corbon",
3   "price": "3000"
4 }
```

Body Cookies Headers (5) Test Results ↻

{ } JSON ▾ ▶ Preview 🖼 Visualization

```
1 {
2   "data": {
3     "id": "68d15a81f5c880f6ce786fb8",
4     "name": "Corbon",
5     "price": 3000.0
6   },
7   "message": "Item added successfully"
8 }
```

2. GET Request (Retrieve All Items)

- **Method:** GET
- **URL:** http://localhost:8080/items

GET http://localhost:8080/items

Params Authorization Headers (9) **Body** Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▾

```
1 {
2   "name": "Corbon",
3   "price": "3000"
4 }
```

Body Cookies Headers (5) Test Results ↻

{ } JSON ▾ ▶ Preview 🖼 Visualization

```
1 [
2   {
3     "id": "68d15a10f5c880f6ce786fb6",
4     "name": "samsung",
5     "price": 15000.0
6   },
7   {
8     "id": "68d15a51f5c880f6ce786fb7",
9     "name": "Nokia",
10    "price": 5000.0
11  },
12  {
13    "id": "68d15a81f5c880f6ce786fb8",
14    "name": "Corbon",
15    "price": 3000.0
16  }
17 ]
```

3. PUT Request (Update Existing Item)

- **Method:** PUT
- **URL:** `http://localhost:8080/items/{id}`

PUT

http://localhost:8080/items/68d15a10f5c880f6ce786fb6

Params

Authorization

Headers (9)

Body

Scripts

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

```
1 {
2   "name": "One Plus",
3   "price": "25000"
4 }
```

Body

Cookies

Headers (5)

Test Results

{ } JSON

Preview

Visualization

```
1 {
2   "data": {
3     "id": "68d15b6cf5c880f6ce786fb9",
4     "name": "One Plus",
5     "price": 25000.0
6   },
7   "message": "Item updated successfully"
8 }
```

GET

http://localhost:8080/items

Params

Authorization

Headers (9)

Body

Scripts

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

```
1 {
2   "name": "One Plus",
3   "price": "25000"
4 }
5
```

Body

Cookies

Headers (5)

Test Results

{ } JSON

Preview

Visualization

```
5   "price": 15000.0
6 },
7 {
8   "id": "68d15a51f5c880f6ce786fb7",
9   "name": "Nokia",
10  "price": 5000.0
11 },
12 {
13   "id": "68d15a81f5c880f6ce786fb8",
14   "name": "Corbon",
15   "price": 3000.0
16 },
17 {
18   "id": "68d15b6cf5c880f6ce786fb9",
19   "name": "One Plus",
20   "price": 25000.0
21 }
22 ]
```

Order List:

1.POST Request (Add New Item):

- Method: POST
- URL: http://localhost:8080/orders/adds

POST

http://localhost:8080/orders/add

ParamsAuthorizationHeaders (9)Body ●ScriptsSettings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

```
1  {
2    "userId": "user123",
3    "address": "Addanki",
4    "itemIds": ["68d15a51f5c880f6ce786fb7", "68d15a81f5c880f6ce786fb8", "68d15b6cf5c880f6ce786fb9"]
5  }
```

BodyCookiesHeaders (5)Test Results

{ } JSON

PreviewVisualization

```
1  {
2    "data": {
3      "id": "68d15c6bf5c880f6ce786fba",
4      "address": "Addanki",
5      "price": 33000.0,
6      "status": "NEW",
7      "createdAt": "2025-09-22T19:55:47.6073137",
8      "updatedAt": "2025-09-22T19:55:47.6073137",
9      "itemIds": [
10       "68d15a51f5c880f6ce786fb7",
11       "68d15a81f5c880f6ce786fb8",
12       "68d15b6cf5c880f6ce786fb9"
13     ],
14     "userId": "user123"
15   },
16   "message": "Order placed successfully"
17 }
```

POST

http://localhost:8080/orders/add

ParamsAuthorizationHeaders (9)Body ●ScriptsSettings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

```
1  {
2    "userId": "user345",
3    "address": "hyd",
4    "itemIds": ["68d15a51f5c880f6ce786fb7", "68d15a81f5c880f6ce786fb8"]
5  }
```

BodyCookiesHeaders (5)Test Results

{ } JSON

PreviewVisualization

```
1  {
2    "data": {
3      "id": "68d15cb9f5c880f6ce786fbb",
4      "address": "hyd",
5      "price": 8000.0,
6      "status": "NEW",
7      "createdAt": "2025-09-22T19:57:05.1351486",
8      "updatedAt": "2025-09-22T19:57:05.1351486",
9      "itemIds": [
10       "68d15a51f5c880f6ce786fb7",
11       "68d15a81f5c880f6ce786fb8"
12     ],
13     "userId": "user345"
14   },
15   "message": "Order placed successfully"
16 }
```

2. Get Order by Id

- **Method:** POST
- **URL:** `http://localhost:8080/orders/{id}`

GET `http://localhost:8080/orders/68d15c6bf5c880f6ce786fba`

Params Authorization Headers (9) **Body** Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▾

```
1 {
2   "userId": "user345",
3   "address": "hyd",
4   "itemIds": ["68d15a51f5c880f6ce786fb7", "68d15a81f5c880f6ce786fb8"]
5 }
```

Body Cookies Headers (5) Test Results ↻

{ } JSON ▾ ▶ Preview 🖼 Visualization

```
1 [
2   {
3     "id": "68d15c6bf5c880f6ce786fba",
4     "address": "Addanki",
5     "price": 33000.0,
6     "status": "NEW",
7     "createdAt": "2025-09-22T19:55:47.607",
8     "updatedAt": "2025-09-22T19:55:47.607",
9     "itemIds": [
10      "68d15a51f5c880f6ce786fb7",
11      "68d15a81f5c880f6ce786fb8",
12      "68d15b6cf5c880f6ce786fb9"
13    ],
14     "userId": "user123"
15   },
16 ]
```

3. Get Order History by User

- **Method:** Get
- **URL:** `http://localhost:8080/orders/history/{userId}`

GET `http://localhost:8080/orders/history/user123`

Params Authorization Headers (9) **Body** Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON**

```
1 {
2   "userId": "user345",
3   "address": "hyd",
4   "itemIds": ["68d15a51f5c880f6ce786fb7", "68d15a81f5c880f6ce786fb8"]
5 }
```


Body Cookies Headers (5) Test Results ↻


{ } JSON ▾ ▶ Preview 🖼 Visualization


```
1 [
2   {
3     "id": "68d15c6bf5c880f6ce786fba",
4     "address": "Addanki",
5     "price": 33000.0,
6     "status": "NEW",
7     "createdAt": "2025-09-22T19:55:47.607",
8     "updatedAt": "2025-09-22T19:55:47.607",
9     "itemIds": [
10      "68d15a51f5c880f6ce786fb7",
11      "68d15a81f5c880f6ce786fb8",
12      "68d15b6cf5c880f6ce786fb9"
13    ],
14     "userId": "user123"
15   },
16 ]
```

4.Update Order


- **Method:** put
- **URL:** http://localhost:8080/orders/{id}




PUT  http://localhost:8080/orders/68d12180628263a87c05f7b9

Params Authorization Headers (9) **Body**  Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** 

```
1  {
2      "id": "68d12180628263a87c05f7b9",
3      "address": "Nellore",
4      "price": 850.0,
5      "status": "NEW",
6      "createdAt": "2025-09-22T15:44:24.709",
7      "updatedAt": "2025-09-22T15:44:24.709",
8      "itemIds": [
9          "1",
10         "2"
11     ],
12     "userId": "U12"
13 }
```


Body Cookies Headers (5) Test Results 


{ } JSON   Preview  Visualization


```
1  {
2      "id": "68d12180628263a87c05f7b9",
3      "address": "Nellore",
4      "price": 850.0,
5      "status": "NEW",
6      "createdAt": "2025-09-22T15:44:24.709",
7      "updatedAt": "2025-09-22T15:52:59.1933613",
8      "itemIds": [
9          "1",
10         "2"
11     ]
12 }
```

5.Delete Order


- **Method:** Delete
- **URL:** http://localhost:8080/orders/{id}





DELETE  http://localhost:8080/orders/68d15cb9f5c880f6ce786fbb

Params Authorization Headers (9) **Body**  Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** 

```
1  {
2      "userId": "user345",
3      "address": "hyd",
4      "itemIds": ["68d15a51f5c880f6ce786fb7", "68d15a81f5c880f6ce786fb8"]
5  }
```

Body Cookies Headers (5) Test Results 

 **Raw**   Preview  Visualization

```
1  Order with ID 68d15cb9f5c880f6ce786fbb has been cancelled successfully.
```


6. Get Delivery Status

- **Method:** GET
- **URL:** `http://localhost:8080/delivery/{orderId}/status`

GET `http://localhost:8080/delivery/68d15c6bf5c880f6ce786fba/status`

Params Authorization Headers (9) **Body** Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▾

```
{
  "userId": "user1345",
}
```

Body Cookies Headers (5) Test Results ↻

{} JSON ▾ ▶ Preview 🖼 Visualization

```
1 {
2   "message": "Delivery not found for Order ID 68d15c6bf5c880f6ce786fba"
3 }
```

7. Update Delivery Status

- **Method:** PUT
- **URL:** `http://localhost:8080/delivery/{orderId}/update`

PUT `http://localhost:8080/delivery/68d15c6bf5c880f6ce786fba/update`

Params Authorization Headers (9) **Body** Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▾

```
1 {
2   "status": "DELIVERED"
3 }
```

Body Cookies Headers (5) Test Results ↻

{} JSON ▾ ▶ Preview 🖼 Visualization

```
1 {
2   "data": {
3     "id": "68d160b78faa6e050c931068",
4     "orderId": "68d15c6bf5c880f6ce786fba",
5     "status": "DELIVERED",
6     "createdAt": "2025-09-22T20:14:07.2929952",
7     "updatedAt": "2025-09-22T20:14:07.2929952"
8   },
9   "message": "Delivery status updated successfully"
10 }
```

8.Cancel Order:

- **Method:**PUT
- **URL:** http://localhost:8080/delivery/{orderId}/cancel

PUT ▼ http://localhost:8080/delivery/68d15c6bf5c880f6ce786fba/cancel

Params Authorization Headers (9) **Body** ● Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▼

```
1 {
2   "status": "DELIVERED"
3 }
```

Body Cookies Headers (4) Test Results ↺

{} JSON ▼ ▶ Preview 🖼 Visualization

```
1 {
2   "data": {
3     "id": "68d160b78faa6e050c931068",
4     "orderId": "68d15c6bf5c880f6ce786fba",
5     "status": "DELIVERED",
6     "createdAt": "2025-09-22T20:14:07.292",
7     "updatedAt": "2025-09-22T20:14:07.292"
8   },
9   "message": "Order already delivered, cannot cancel"
10 }
```

9.Update Delivery Status

- **Method:** PUT
- **URL:** http://localhost:8080/delivery/{orderId}/update

PUT ▼ http://localhost:8080/delivery/68d15c6bf5c880f6ce786fba/update

Params Authorization Headers (9) **Body** ● Scripts Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▼

```
1 {
2   "status": "CANCELLED"
3 }
```

Body Cookies Headers (5) Test Results ↺

{} JSON ▼ ▶ Preview 🖼 Visualization

```
1 {
2   "data": {
3     "id": "68d160b78faa6e050c931068",
4     "orderId": "68d15c6bf5c880f6ce786fba",
5     "status": "CANCELLED",
6     "createdAt": "2025-09-22T20:14:07.292",
7     "updatedAt": "2025-09-22T20:17:37.5863668"
8   },
9   "message": "Delivery status updated successfully"
10 }
```

10.Cancel Order:

- **Method:** PUT
- **URL:** http://localhost:8080/delivery/{orderId}/cancel

PUT

▼

http://localhost:8080/delivery/68d15c6bf5c880f6ce786fba/cancel

Params

Authorization

Headers (9)

Body ●

Scripts

Settings

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ GraphQL

JSON ▼

```
1  {
2    "status": "CANCELLED"
3  }
```

Body

Cookies

Headers (4)

Test Results

↺

{ } JSON ▼

▶ Preview

🖼 Visualization

```
1  {
2    "data": {
3      "id": "68d160b78faa6e050c931068",
4      "orderId": "68d15c6bf5c880f6ce786fba",
5      "status": "CANCELLED",
6      "createdAt": "2025-09-22T20:14:07.292",
7      "updatedAt": "2025-09-22T20:17:37.586"
8    },
9    "message": "Order already cancelled"
10 }
```