**Instructions: How to run this Project**

To run this project following software should be install in your system

1. Eclipse
2. Maven
3. TestNG
4. JDK

API requires:

1. Rest-Assured
2. Json
3. Jackson
4. TestNG

Setup requires:

Endpoint URL must be set in **config.properties**

For Ex. URL=**{host URL}/v1/orders**

Where **{host URL}**=your host url

How to Run place Present and Future json payload from **config.properties**

#Please Enter "present" for 3 stops and more than 3 stops for Order place in Present

JsonFileReaderfor3stops=present

#Please Enter "future" for 3 stops and more than 3 stops for Order place in future

JsonFileReaderforMoreThan3stops=future

**Scenarios:**

* Place Order
* Fetch Order Details
* Driver to Take the Order
* Driver to Complete the Order
* Cancel Order

1. **(i) Place the Order for present:**

**Scenario 1**: Order is successfully placed with 201 status code

1. **(ii) Place the Order for Future:**

**Scenario 1**: Order is successfully placed with 201 status code

1. **Fetch the Order details for present and future:**
2. Fetch all data from newly created Order:

**Scenario 1**: Fetch the Order details with 200 status code

**Scenario 3:** verify amount should be 30HKD if time is in between 9PM to 5AM

**Scenario 4:** Verify after 2KM, 5HKD should be charged if distance is greater than 200meters

**Scenario 5:** verify after 2KM, 8HKD should be charged if distance is greater than 200meters and timing should be at night (from 9PM to 5AM)

**Scenario 6:** Verify distance between two stops should be in meter.

**Scenario 7:** Verify order should be successful only if we are sending correct payload, else server will give 400 status code.

**Scenario 8:** Verify user should get different created id if sending the same package.

**Scenario 9:** Cancel the order just after assign and verify status code and all details

1. Assigning->cancelled: cancel the newly created Order

**Scenario 1:** Verify successful cancelling status code 200

**Scenario 2:** Verify status of the Order

1. **Driver to Take the Order:**

**Scenario 1:** Verify user should get successful response from server with 200 status code

**Scenario 2:** Verify status should be changed from Assigning to Ongoing.

**Scenario 3:** Verify user should get HTTP 404 status code if the Order does not Exit’s

**Scenario 4:** Verify HTTP 422 status code with custom message if we want to access same data.

1. **Driver to Complete the Order**
2. Assigning->Ongoing-> complete: Complete the Newly created Order

**Scenario 1:** Verify successful completed status code 200

**Scenario 2:** Verify completed status code of order

1. Assigning->Ongoing-> complete->complete

**Scenario 1:** Verify custom error status code 422

**Scenario 2:** Verify Error message “Order is already completed”

1. **Assigning->Ongoing-> complete->cancel**

**Scenario 1:** Verify custom error status code 422

**Scenario 2:** Verify Error message “Order is already completed”

1. **Driver to Cancel the Order**
2. Assigning->Ongoing->cancel: Cancel the newly placed Order

**Scenario 1:** Verify user should get 200 for successful cancelling the order

**Scenario 2:** Verify Status of the Order

1. Assigning->Ongoing-> cancel->cancel (Failed in all expects): Cancel the order which **Scenario 1:** Verify custom error status code 422

**Scenario 2:** Verify Error message “Order is already cancelled”

Execution success means giving 200 but it should give 422 error with message

Error Message should be:

{

"message": "Order is already Cancelled";

}

1. Assigning->Ongoing-> cancel->completed (Error message is not as expected): complete the newly created order which is already cancelled

**Scenario 1:** Verify custom error status code 422

**Scenario 2:** Verify Error message “Order is already cancelled”

Customize Error Message is wrong:

**BUG->**Actual:

{

"message": "Order status is not ONGOING"

}

But it should be:

Expected:

{

"message": "Order is already Cancelled"

}

**Note:BUG->** Same Order cancelling multiple time

1. **Sending wrong Order id :**

**Scenario 1:** Verify order not found status code 404 get by user

**Scenario 2:** Verify Error message “Order doesn’t exit”

1. **Place Order in past or with wrong body:**

**Scenario 1:** Verify user should not create new order with status code 400

1. Place order with all stops are in the same position

**Scenario 1:** Verify user should create new order

**Scenario 2:** Verify user should get Zero distance with Zero price

**Note**: User are able to create an order one than a year from today’s date, Is it correct Scenario?