Documentation/My Project Log:

Language: C++  
Libraries: curl, nlohmann (for json pasrsing) in vcpkg

Steps:   
  
Before starting the project, created a account on test.deribit.com.   
Created a new API key from the API section of the test site (not production)

Now to start the project:   
  
To access the API, used curl library.

Deribit uses access token for authentication:   
 Using Client ID (API KEY) and Client secret (API Secret) we get the access token from the API, by which we can perform operations.   
The responses are in JSON format.

Tried vcpkg package from github for jsoncpp library (unsuccessful – needed pkg-config updated, which needed to bypass certificates tldr too much work).

Used nlohmann in vcpkg instead (success thus far).

JSON format needed for auth to get access token.

Got Access Token successfully.

Day 1 End.

PlaceOrder function: successful - needs accesstoken, symbol(currency), amount, type(“market” or “limit” etc. and ordertype(buy or sell).

getOrderBook function: successful – needs symbol. To check current market trends.

getCurrentPositions function: successful – needs accessToken to see all buy and sell orders. But cannot see the orderIds.

Made an simple HTML CSS layout for the gui of the app.

Ditched the GUI idea (takes too much effort) – need to make a simple HTML, CSS form and Write a js script to connect the cpp file to the form. Used crow library for server connection.

Focusing on basic given functionalities.

Used simple console for user input.

Place Order, View Order book, view current positions, view all orders done successfully.

Day 2 End.

Cancel and modify order functions can only function if the order placed is still open. If the order is executed fully(filled) then we cannot cancel or modify it.   
Implemented cancel and modify functions.

If orders are not open, show users that the order is not open and cannot be cancelled/modified.

Modifying order adds it again to the orders vector for logging.

All the basic functions completed and working with low latency.

Debugging started----