

Test definitions

Test Data:

- A small data set with 2 orders, and some skis assigned to these orders. The data set also contained some customers, shipments and shippers.

Unit test cases

Successful Operations

- Retrieve a ski by production number - 1 ski should be retrieved - the input is checked so it matches the production number of the retrieved ski
- Retrieve ski types by grip system - an array of skis should be retrieved - check the first ski retrieved that their grip system matches your input.
- Retrieve all skis - no filter all skis should be returned. Expected ski count is 10.
- Retrieve an order by order number - 1 order should be retrieved - the input is checked so it matches the order number of the retrieved order
- Cancel order by order number - run a getOrder on the order with the same order number as the one you canceled - check if the state on the retrieved order matches the input
- Update order state by order number, see if the state has been updated.
- Add new ski by type - See in the database if a ski of the input ski type exists. The added ski type is of a ski type not already in the database, to ensure that it is not a false positive
- Get a shipment by its shipment_number, check if the retrieved shipment has the same order number as the requested order number.
- Add transition history, check if it exists.

Failed operations

- If the production number of a ski is not an int, or is not in the database
- If the grip system does not exist for any of the ski types, or there are no ski of that grip system in the database
- If the order number is not an int, or is not in the database
- If the order being canceled does not exist
- If the input of the ski being added is not an int

API test cases

Successful Operations

- Retrieve all orders with customer id = 10, 2 orders should be received, and the order numbers should be 1 and 428.
- Add an order with a body
- Cancel an order

Failed Operations

- If the customer id or the order number is not valid, it should fail
- Should also fail when the body sent is invalid.