# Workflows

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| Process Order |
| Overview | Process an order from the website. |
| Steps | ***Iteration 18***1. **[Calculate Price of Products](#_Calculate_Price_of)**
2. **[Calculate Tax](#_Calculate_Tax)**
3. **[Calculate Shipping](#_Calculate_Shipping)**
4. [**Save Processed Order**](#_Save_Processed_Order)

*Process ends here* |

# Commands

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| Calculate Price of Products |
| Overview | Calculates the total price of all products in and order (before tax and shipping charges). |
| Details | Total Price = sum of price of each product on the order |

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| Calculate Tax |
| Overview | Calculates the tax on an order. |
| Details | Tax is calculated based on state the order is being shipped to. Can ship to US states only (including DC).Tax Rate = * If order is shipped to Ohio - 7%
* If order is shipped to Michigan - 6.5%
* If order is shipped to any other state (including DC) - 0%

Tax Amount = Total Price (without shipping) \* Tax Rate |

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| Calculate Shipping |
| Overview | Calculates the shipping charge on an order. |
| Details | Shipping Charges =* If Total Price (without tax) >= $25, shipping is free
* Otherwise, shipping = $5
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| Save Processed Order |
| Overview | Saves an order. |
| Details | Save the following information to the database:* Products in the order (save current prices in case the price of a product changes after the order has been processed)
* Tax Amount
* Shipping Charges
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