1. Create an Order Quote

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| **Use Case Name** | Create a quote for an order | |
| **Scenario** | Sales Representative creates a new quote for an order | |
| **Triggering Event** | Customer requests a quote for an order. | |
| **Brief Description** | Customer requests a quote for an order. Sales Representative creates a quote based on the order. The quote is created by the system based on the base price for the assay plus the average price for similar compounds. If the compound has never been used before, then the price will be given based on the maximum labor cost plus the base price for the assay plus a margin for materials. | |
| **Actors** | Sales Representative | |
| **Related Use Cases** | Created an order | |
| **Stakeholders** | Management, Sales, Customer, Lab | |
| **Preconditions** | None | |
| **Postconditions** | Sales Rep can proceed with creation of order at customers request | |
| **Flow of Events** | **Actor** | **System** |
| 1. Sales Representative starts a new order quote 2. Sales Representative enters assay types and quantity 3. Sales Representative finishes the order quote 4. Sales Representative enters contact info | * 1. prompt user to select assay type   2. calculates the average price of items   3. prompt the user to finish the order quote   4. Prompt user for customer contact info   5. System emails quote to customer   6. System saves quote and contact info to business lead |
| **Exception Conditions** | 3.1 User does not want to give contact info. In this case don’t save the quote | |

1. Create an Order

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| **Use Case Name** | Create an order | |
| **Scenario** | Sales Representative creates a new order | |
| **Triggering Event** | Customer contacts Sales Representative with order information to create an order | |
| **Brief Description** | Sales Representative creates a new order for a customer. | |
| **Actors** | Sales Representative | |
| **Related Use Cases** | Create an order quote | |
| **Stakeholders** | Management, Sales, Customer, Lab | |
| **Preconditions** | Customer needs to have an account | |
| **Postconditions** | Lab workers are able to schedule assay for completion. | |
| **Flow of Events** | **Actor** | **System** |
| 1. Sales Representative starts a new order 2. Sales Representative enters assay types and quantity 3. Sales Representative finishes the order | 1.1 prompt user to select assay type  2.1 prompt the user to finish the order  3.1 System authorizes order and sends to be scheduled |
| **Exception Conditions** | 2.1 Customer wants to cancel order and Sales Representative cancels the order | |

1. Update Hourly Charge Rate
2. Update Assay Work Order Status
3. Read Assay Work Order Status
4. Send Compound Receipt Confirmation
5. Create Test Sample Spreadsheet
6. Update Test Sample Spreadsheet
7. Create Further Test Recommendation
8. View Further Test Recommendation
9. Approve Further Test Recommendation
10. View Completed Reports
11. View Individual Assay Completion Time
12. Create Profitability Reports
13. Create Ad-Hoc Report
14. Create Assay Summary Report
15. Compile All Report Data