# Place an order use case

**Basic flow:**

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| --- | --- | --- |
| # | Doer | Action |
| 1 | Customer | Request to place an order |
| 2 | Software | Check inventory quantity |
| 3 | Software | Request user to set up delivery information |
| 4 | Customer | Fill in delivery information |
| 5 | Customer | Pay the order |
| 6 | Software | Confirm the transaction |
| 7 | Software | Confirm the order |

**Alternative flow 1:**

|  |  |  |
| --- | --- | --- |
| # | Doer | Action |
| 1 | Customer | Request to place an order |
| 2 | Software | Check inventory quantity |
| 3 | Software | Request the customer to update the cart, due to insufficient resources. |
| 4 | Customer | Update the cart |
| 5 | Software | Check inventory quantity |
| 6 | Customer | Fill in delivery information |
| 7 | Customer | Pay the order |
| 8 | Software | Confirm the transaction |
| 9 | Software | Confirm the order |

**Alternative flow 2:**

|  |  |  |
| --- | --- | --- |
| # | Doer | Action |
| 1 | Customer | Request to place an order |
| 2 | Software | Check inventory quantity |
| 3 | Software | Request user to set up delivery information |
| 4 | Customer | Fill in delivery information |
| 5 | Customer | Select rush hour delivery |
| 6 | Software | Check for feasibility of rush hour delivery |
| 7 | Software | Request user to add more information for rush hour delivery |
| 8 | Customer | Fill in additional information |
| 9 | Customer | Pay the order |
| 10 | Software | Confirm the transaction |
| 11 | Software | Confirm the order |