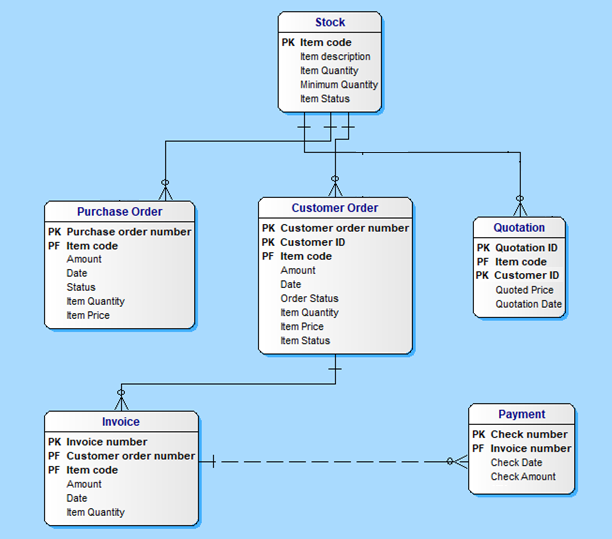
**Supply and Distribution Management System**

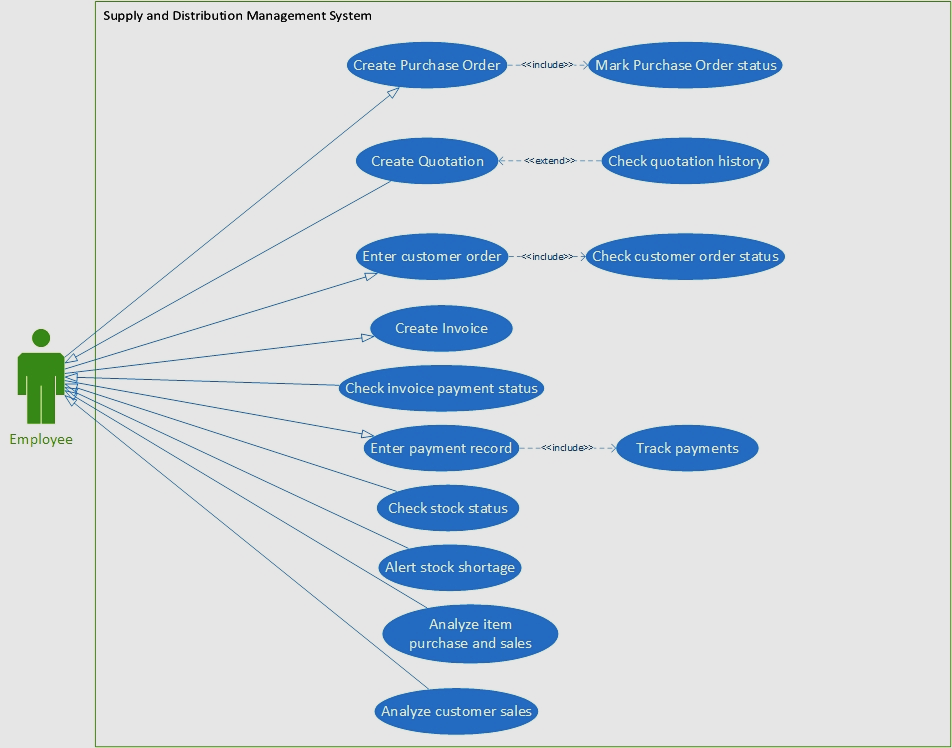
**Design Documentation**

|  |  |
| --- | --- |
| **Roll No.** | **Name** |
| **CS-062** | **Sachin Karmani** |
| **CS-023** | **Ruhail Mangi** |
| **CS-067** | **Deepak Kumar** |

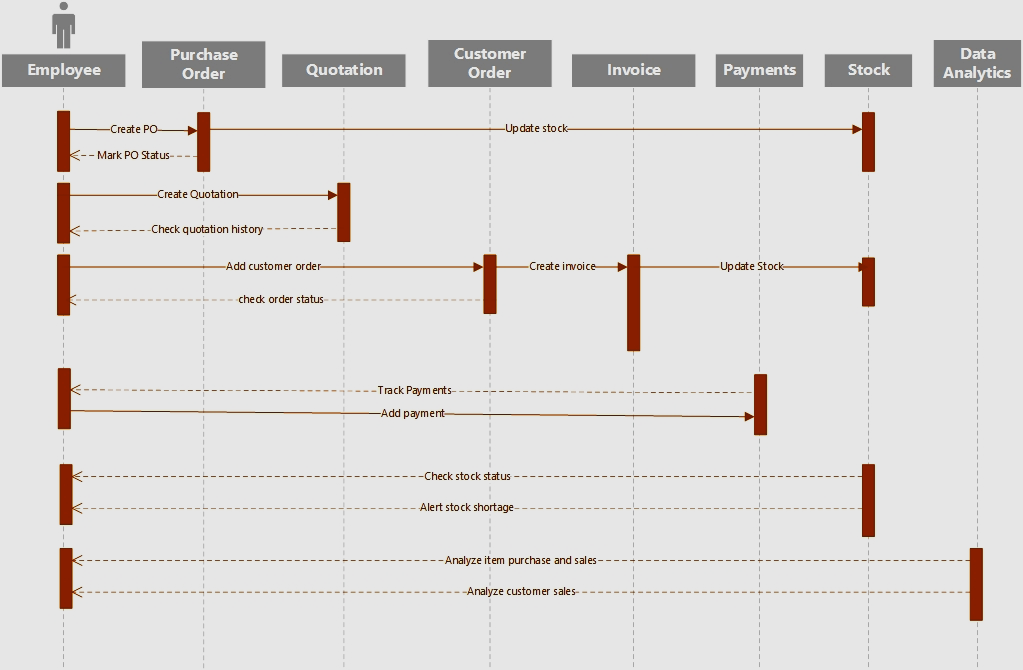
**Entity Relationship Diagram:**



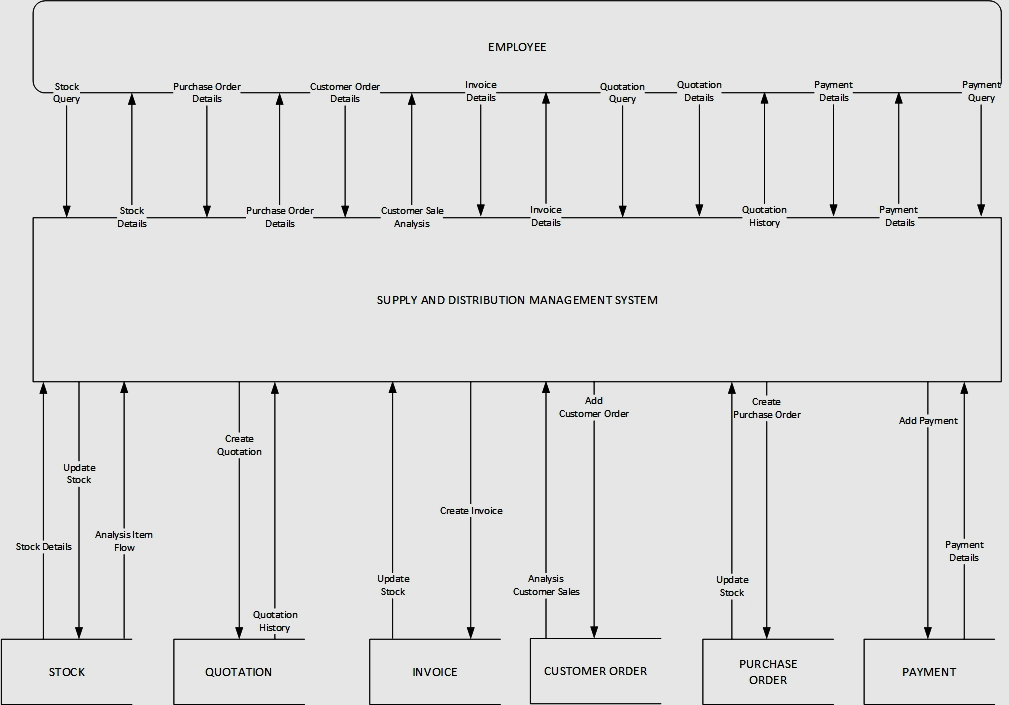
**Use Case Diagram:**

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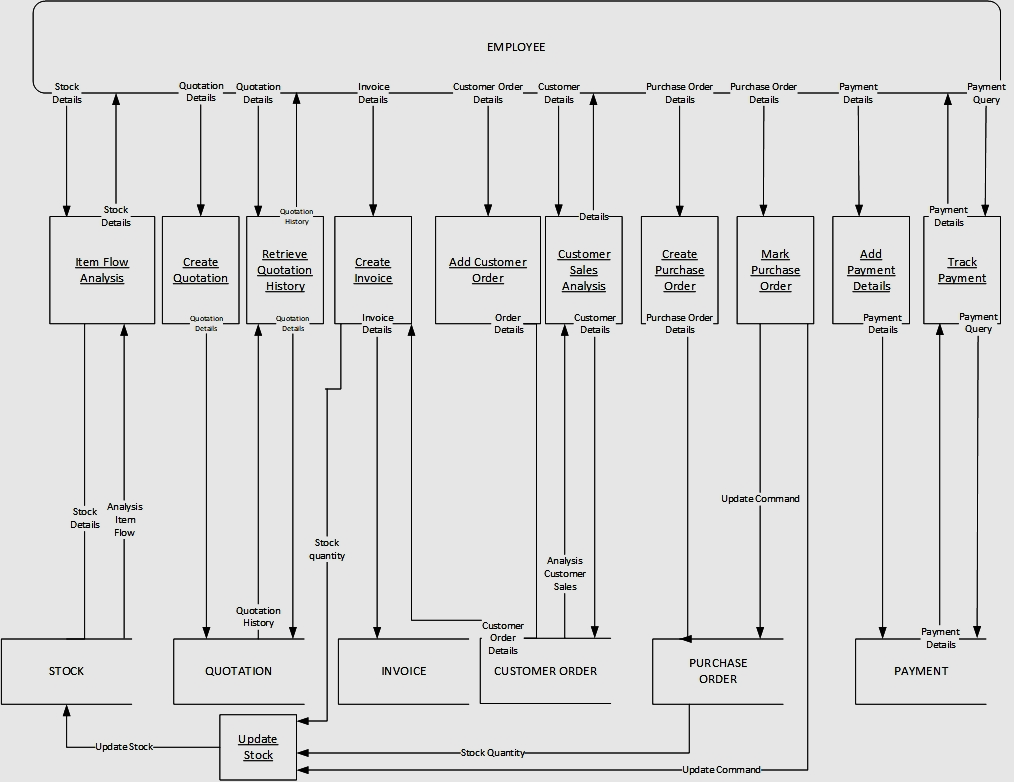
**Sequence Diagram:**

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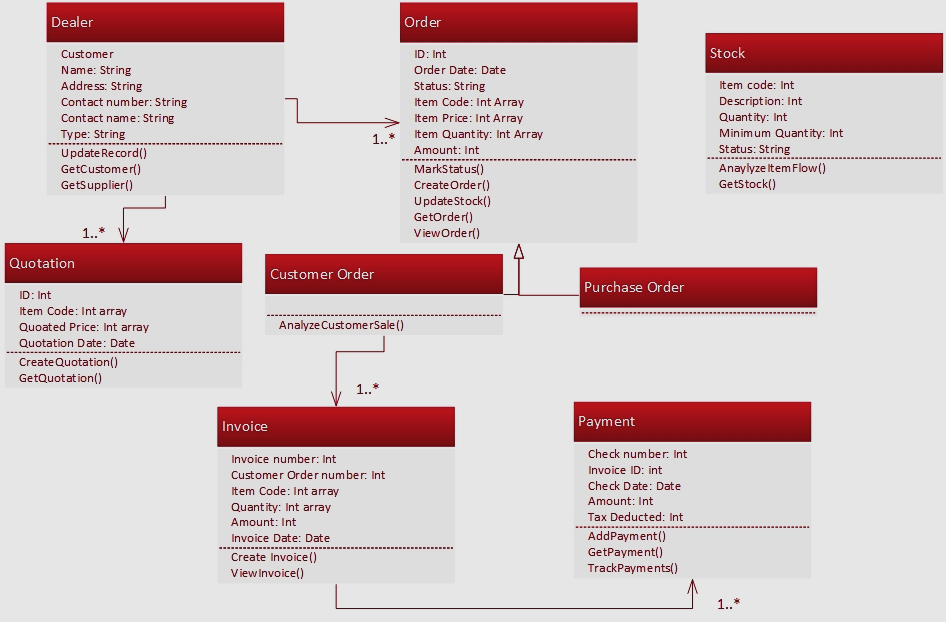
**Data Flow Diagram Level 0:**

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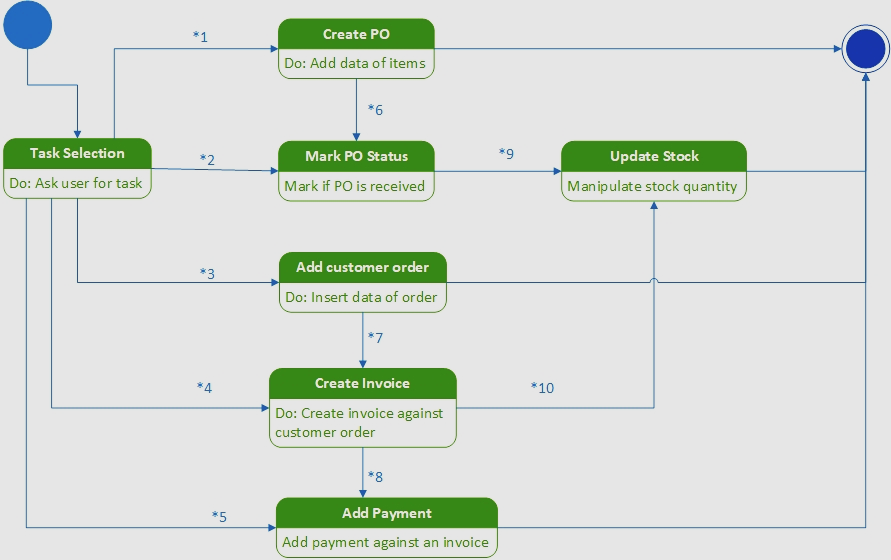
**Data Flow Diagram Level 1:**

****

**Class Diagram:**

****

**State Transition Diagram:**

****

|  |  |
| --- | --- |
| State Transition Reference Table | |
| Index | Description |
| \*1 | Select ‘Create PO’ |
| \*2 | Select ‘Mark PO Status’ |
| \*3 | Select ‘Add Customer Order’ |
| \*4 | Select ‘Create Invoice’ |
| \*5 | Select ‘Add Payment’ |
| \*6 | Mark if PO item received at time of creation of PO |
| \*7 | Create invoice at the time of adding customer order |
| \*8 | Add payment if receiver at time of creating invoice |
| \*9 | Add stock if PO received |
| \*10 | Reduce stock when items (in invoice) dispatched |