This document provides an overview of the implementation details for plugins:  
  
1. **OrderLinePLugin** : this is used to calculate subtotal, total discount and total in rupees

2. **OrderHeaderPlugin** : this is used to recalculate orderheader to calculate subtotal,total discount percentage, total discount and total, after everytime any new orderline is created under this orderheader

**Plugin Registration Details:**

|  |  |  |
| --- | --- | --- |
| Plugin name | OrderLinePlugin | OrderheaderPlugin |
| CRM Entity | ws\_orderline | ws\_orderline |
| Message | Create | Create |
| Stage | Pre-operation | Post-operation |
| Execution Mode | synchronous | synchronous |

Please Note:  
1. OrderHeaderPlugin is executed in post-operation stage on creation of Order Line record, so that order line subtotal, total discount and total gets updated before we use these values in this plugin

2. In OrderLinePlugin we are using early binding class Entities.cs, which was generated using XRMtoolbox early bound generator tool

**Calculation Logic:**

Order Line Calculation Logic:

|  |  |
| --- | --- |
| Field Name | Calculation |
| Subtotal | [Price] \* [Quantity] |
| Total Disocunt | [Subtotal] \* [Discount% / 100] |
| Total | [Subtotal]- [Total Discount] |

Order Header Calculation Logic:

|  |  |
| --- | --- |
| Field Name | Calculation |
| Subtotal | SUM(OrderLine[Subtotal]) |
| Disount(%) | ([TotalDiscount]/[SubTotal])\*100 |
| Total Discount | SUM(OrderLine([TotalDiscount]) |
| Total | SUM(OrderLine[Total]) |