**STABILITY CHAMBER MODULE**

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| **S.No** | **Task Head** | **Dev Hours** | **Testing Hours** | **Status** |
| 1 | DB Design/Migration Creation | 9 |  |  |
| 2. | Adding the Stability Order | 80 | 9 |  |
| 3. | Editing the Stability Order | 24 | 3 |  |
| 4. | Listing the Stability Order | 24 | 3 |  |
| 5. | Notification about taking off the Sample from Chamber | 18 | 9 |  |
| 6. | PDF Report Format | 18 | 4 |  |
| 7. | Overall Module Testing | 27 | 27 |  |
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***Content:***

* ***Task Detail***
* ***Process Flow***

**TASK Detail**

For adding a Stability Order, it required the following steps:

1. Customer Detail using Sample Receiving Code
2. Sample Detail
3. Prototype Detail

1. Customer Detail: Will have same information as current module.

2. Sample Detail: Will have same information, as current module except booking date will be Prototype Date.

3. Prototype Detail: It include the following steps:

* Date range : From and To Date-picker
* Label Option for each date range.
* Stability condition:
  + Long Term
  + Real Time
  + Accelerated
* Test Parameter Detail: Its selection will be based on Stability condition.
* Sample Qty: It will based on Stability option. Each Stability option has its own sample Qty.

**Notes:**

* Prototype can be editable as long as its order has not been created.
* If user want to edit the prototype, then first he has to update the related product test master and then added prototype and then the added orders.
* Number of Order will be based on number of Stability condition for each prototype.
* Shooting a mail after adding an initial Parent Prototype Detail.
* Booking of Children Order (Orders based on added Prototypes) based on user confirmation. I.e. After taking out the sample from the Chamber, user will confirm, and then the next phase prototype order will be booked by the system automatically.
* Tracking of sample Qty consumed during the testing process.
* After booking, Order Process Stage of Stability Order will be same as the current process. i.e. From Scheduling to Dispatching.

**Process-Flow**

**A) Setting of Stability Order:**

1. Under Sales->Stability Orders
2. DB Design
3. Migration Creation

**B)** **Adding the Stability Order:**

**STEP-1:** Sample Receiving: Same as current module information.

**STEP-2:** On Selecting, the Sample Receiving Code from Dropdown, below section will display:

1) Customer Detail: It will be auto populated from customer master with respect to sample receiving-

* + 1. Sample Received No.
    2. Customer Name
    3. Customer Location
    4. Customer Mfg. Lic No.
    5. Sale Executive
    6. Discount Type
    7. Discount Value
    8. Billing Type
    9. Invoicing Type

2) Sample Detail:-the User will enter below Information-

* + 1. Prototype Date\*
    2. Sample Name\*
    3. Batch No.\*
    4. Sample Qty.\*
    5. Brand\*
    6. Sample Priority\*
    7. Sealed/Unsealed\*
    8. Signed/Unsigned\*
    9. Packing Mode\*
    10. Submission Type\*
    11. Letter Reference No.
    12. Letter Reference Date
    13. Date of Mfg.
    14. Date of Expiry
    15. Batch Size
    16. Supplied By
    17. Manufactured By
    18. Remark
    19. PI Reference(if any)
    20. Sampling Date
    21. Quotation No.
    22. Actual Submission Type
    23. Extra Amount

3) Adding of Prototype Detail (\*):-

It includes the following:

* 1. **Date range**:
* From and To Date-picker and
* It will be unique for each Prototypes.
  1. **Label Option for each date range**.
* It should depend upon the From Date month Name.
* User can modify it.
* Example:

-01-Jan-2018 to 30-Jan-2018, then the label will be 01-Month

-01-Feb-2018 to 28-Feb-2018, then the label will be 02-Month like this.

* 1. **Stability condition**:
     1. Long Term
     2. Real Time
     3. Accelerated
* Each Stability condition is a separate order.
* Actually Stability count will be equal to the number of order involves in an each Prototype.
  1. **Test Parameter Detail**:
* It will be populated from Selecting the already added Test Master.
* Its selection will be based on Stability condition. Each Stability option has its own Test Parameters.
* Selection will be using checkbox.
* In a tabular format, left side will be Test Parameter Master Detail listing, and rest side will the stability options with checkbox for selection.
  1. **Sample Qty**:
* It will be separate for each Stability condition. However, should not be greater than the actual sample Qty entered in its Initial Prototype Qty Detail.

**For Example:** Total Sample Qty is 100 and all has been consumed, then if user will enter one more sample Qty at the time of creating the Prototype/at the time of Testing, then system will display an error message. In addition, will not allow user to add as long as user will not update the initial Parent sample Qty amount.

* We should also track the no of time the Initial Sample Qty has been updated. This will be used at the time of displaying the summary report of particular stability Order.

It involves the listed steps:

* + Maintaining the Prototype Sample Qty in a separate table if any user updated it.

**STEP-3:** After completing all the points of Step-1, all the information will be saved in a separate table. This information will be the source of all the orders booked in this Stability Modules. In addition, all the Samples received by the Sample Receiver will be shifted to the Chamber.

**STEP-4:** A mail will be send to the Customer having all the initial Detail such as Customer Detail, Sample Detail and Prototypes Detail.

**STEP-5:** Respective Prototype order will be booked after the manual confirmation of User. **Confirmation Process**:

* User will be notified by the system two days before the particular Prototype End Date(To-date defined at the time of creating a prototype)
* When user take off the Sample from a Chamber, then user will provide the confirmation by click a button.
* On Clicking the Button, the respective Prototype order will be automatically booked by the System having Same Sample Receiving Code.
* An Order will be ready for processing the current Order Process Stages.

**STEP-6:** After that, rest orders of the respective prototypes will be booked by following the Step-5 process.

**STEP-7:** After booking any Stability order, the order process flow will be same as current module from scheduling to Dispatching.

**C) Editing the Stability Order:**

**STEP-1:** Stability order can be edited only if it is in booking Stage.

**STEP-2:** If Order is in booking Stage, then user first update its related test master.

**STEP-3:**

1. After the test master updation, Implementation of editing provision for the user so that user will change the related Prototype of a particular Stability Order.
2. Editing of all the information of Step-2 of Point-B) Adding the Stability Order:

* Customer Detail
* Sample Detail
* Prototype Detail

**STEP-4:** And then finally, user can update the Order detail of any particular Stability Order.

**D) Listing the Stability Order:**

**STEP-1:** Listing of Initial/Parent Stability order with its Prototype Detail.

**STEP-2:** Order listing will be in same window like current window having a Colum of its Parent Order No. (Format)

**E) Notification about taking off the Sample from Chamber:**

**STEP-1:** User will be notified on a dashboard for taking off the Sample from a chamber two days before the end date of particular Prototype(To date will be end-date of the testing of a sample of each date range provided in a particular prototype).

**STEP-2:** User will also notified through a mail two days before.

**F) PDF Report Format:**

**STEP-1:** Test Report format will be same as the current report format for corresponding department.

**STEP-2:** PDF Creation: Implementation of New Summary Report Format Provided by the Client.

**G) Testing:** Complete Testing of each Modules.

**Note:** It will follow the Current Master Creation Process Module and the Current Sample Receiving Module.

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