Elektrise – NX (Production)

Production

A. **Creation of Product/ Item / Vehicle / Model Wise Bill Of Material (BOM)**
B. **Work Order Generation**
C. **Work Order Assigning to Stores**
D. **Store Approval of the Work Order and Allotment of Raw Materials / Components**
E. **Updating WIP Inventory**
F. **Finished Goods Testing**
G. **Tracking of Line Rejection of Components**
H. **Updating the Rejected Components into Rejected / Dead Stock Inventory**
I. **Updating the Finished Goods Inventory**
J. **Reports & Dashboards**

The Project MIS will have the **Production** user to manage the Purchase and Procurement related tasks.

The **Production** user will have the following modules:

- **Home – Dashboard**
- **Products**
- **Assembly**
- **Bill of Materials (BOM)**
- **Work Orders**
- **Inventory**

Note: Backend and Frontend both resources are required to work on the required changes/additions.

Home

A new dashboard will required to be created for **Production** as –

- **Charts / Graphs** – The Charts and Graphs will have the actions to switch to table view and back to the graphical view.
- Each chart will be expandable at a pop-up table or should be redirected to a new page.
- The User should be able to email or download the reports or tabular data in the PDF / Excel file format.
- The Charts can be clickable to redirect the user to the related module / page.

Vehicles

The Vehicles module will have the tables/tabs as –

- There will be two sections/tables on the users page as:

- **Register Vehicles**
- **Manage vehicles**

Register Vehicles

Register Vehicles – The Register Products table/section will have the fields as:

- **Segment** – This should be a dropdown having the list as:
  - **Two Wheeler**
  - **Three Wheeler**
  - **Four Wheeler**
  - **Bus etc.**
- **Model** – This should be an input field to enter model name s as:
  - **Shine 125**
  - **Pulsar 150**
  - **Karizma etc.**
- **Variant** – This should be an input field
  - **SP 125**
  - **SP 150**
  - **DTS-i**
  - **Smart-I etc.**
- **Type**
  - **Sports**
  - **SUV**
  - **Hatchback**
- **Category** – This should be a dropdown list mapped with Vehicle segment as:
  - **Standard**
  - **Non-Standard etc.**
- **Vehicle Description** – This should be an input box.
- **Add/Remove Icon**
- **Bulk upload section**
- **Submit button**
- **Cancel button**

The added Vehicle will move to the new table – 'Manage Vehicles'

Manage Vehicles

The Manage Vehicles table/section will have the search fields as:

- **Search field** - It should be an input field and should filter out the data as per the entered text from the table.

- **Refresh button** – This should be a button placed at the table, when OEM Admin clicks on the refresh button the data at the table should get updated.
- **Export button** – User should be able to Email or download (PDF/Excel) the table data from the 'Export' button.

The Manage Vehicles table/section will have the filter fields as:

- **Segment - Dropdown**
- **Model - Dropdown**
- **Variant - Dropdown**
- **Type - Dropdown**
- **Category – Dropdown**
- **Apply button**
- **Reset button**

The Manage Vehicles table/section will have the Columns as:

- **SN –** This column should have the serial numbers of the table rows
- **Segment -** This column should have the vehicle segment
- **Model -** This column should have the vehicle model name
- **Variant -** This column should have the vehicle variant
- **Type -** This column should have the vehicle type
- **Category –** This column should have the vehicle category
- **Added on** - This column should have the Date and Time of creation
- **Status –** This column should have the status as:
    - **Active**
    - **Discontinued**
    - **Deleted**
    - **Restored/Reactivated**
- **Reason-** This column should have the reason for the actions.
- **Action –**
    - **Edit – Edit pop-up having the fields as:**
        - **Segment -** This column should have the vehicle segment
        - **Model -** This column should have the vehicle model name
        - **Variant -** This column should have the vehicle variant
        - **Type -** This column should have the vehicle type
        - **Category –** This column should have the vehicle category
        - **Submit button**
        - **Cancel button**
    - **Discontinue –** A pop-up should appear having the 'Reason' and 'Description' fields along with 'Submit' and 'Cancel' buttons.
        - **Reason –** A dropdown field having the list of Discontinue reasons

        - **Description –** A text field. This should appear once the user selects the reason as “Others”.
        - **Submit** button
        - **Cancel** button
    - **Delete -** A pop-up should appear having the ‘Reason’ and ‘Description’ fields along with ‘Submit’ and ‘Cancel’ buttons.
        - **Reason –** A dropdown field having the list of Delete reasons
        - **Description –** A text field. This should appear once the user selects the reason as “Others”.
        - **Submit** button
        - **Cancel** button
    - **Restore/Reactivate -** A pop-up should appear having the ‘Reason’ and ‘Description’ fields along with ‘Submit’ and ‘Cancel’ buttons.
        - **Reason –** A dropdown field having the list of Restore/Reactivate reasons
        - **Description –** A text field. This should appear once the user selects the reason as “Others”.
        - **Submit** button
        - **Cancel** button
- **Pagination –** Pagination needed to be applied on the table

Assembly

The Assembly module will have the tabs as –

There will be two sections/tables on the Assembly page as:

- **Add Assembly**
- **Manage Assembly**

Add Assembly

Add Assembly –The Add Assembly table will have the fields as:

- **Assembly Type – Dropdown list having the values as:**
    - **Main Assembly**
    - **Sub-Assembly**
- **Assembly Name –** Input field to enter the name of Main Assembly
- **Add Service –** A pop-up should appear having Input field as ‘Add Service’ to enter the service name.
- **Add Icon/button**
- **Remove Icon/button**
- **Bulk Upload**
- **Submit** button

- **Cancel** button

Manage Assembly

The **Manage Assembly** table should have the search fields as:

  - **Search field** - It should be an input field and should filter out the data as per the entered text from the table.
  - **Refresh button** – This should be a button placed at the table, when OEM Admin clicks on the refresh button the data at the table should get updated.
  - **Export button** – User should be able to Email or download (PDF/Excel) the table data from the 'Export' button.

The **Manage Assembly** table should have the filter fields as:

- **Assembly Type –** Dropdown field having the values as**:**
  - **Main Assembly**
  - **Sub Assembly**
- **Main Assembly Name -** Dropdown field having the names of Main Assemblies
- **Sub-Assembly Name -** Dropdown field having the names of Sub-Assemblies
- **Services -** Dropdown field having the list of Assembly Services as:
  - **Conveyor Belt**
  - **Flooring**
  - **Safety Equipment**
  - **Hot Melt Adhesive Applicators etc.**
- **Status –**
  - **Active**
  - **Discontinued**
  - **Reactivated**
  - **Deleted**
- **Apply button**
- **Reset button**

The **Manage Assembly** table should have the Columns as:

- **SN –** This column should have the serial numbers of the table rows
- **Assembly Type -** This column should have the type of assembly as Main or Sub-Assembly
- **Assembly Name -** This column should have the name of Assembly
- **Services –** Link text to show the list of services at a pop-up
- **Status –**
  - **Active –** Default status of an active assembly
  - **Discontinued**
  - **Reactivated**
  - **Deleted**

- **Reason-** This column should have the reason for the actions
- **Created by –** This column should have the creator details as – user@mail.com (Production)
- **Creation Date -** This column should have the date & time of creation of the assembly.
- **Action –**
    - **Edit-**
        - **A new pop-up should appear having the fields as:**
            - **Assembly Type –** Prefilled and Editable dropdown
            - **Assembly Name -** Prefilled and Editable Input field
            - **Sub-Assembly Name (Optional) -** Prefilled and Editable Input field, placeholder text in case of only main assembly or not data added earlier.
            - **Note: The Sub-Assembly name should be mandatory, if already added**
            - If no sub-assembly added then the column should have the hyphen icon in the column
            - **Services –** Link text to show the list of services at a pop-up, having the services names with check boxes along with **'Save' and 'Back' button as:**
            - **Check box –Service 1 –Prefilled & Editable Input – Remove field Icon**
            - **Checkbox – Service 2 – Prefilled & Editable Input - Remove field Icon**
            - **Checkbox – Service 3 – Prefilled & Editable Input - Remove field Icon**
            - **Checkbox – Service 4 – Prefilled & Editable Input - Add field Icon**
            - **Save button**
            - **Cancel button**
    - **Discontinue- A** pop-up should appear having the 'Reason' and 'Description' fields along with 'Submit' and 'Cancel' buttons.
        - **Reason –** A dropdown field having the list of Discontinue reasons
        - **Description –** A text field. This should appear once the user selects the reason as "Others".
        - **Submit** button
        - **Cancel** button
    - **Enable/Continue -** A pop-up should appear having the 'Reason' and 'Description' fields along with 'Submit' and 'Cancel' buttons.
        - **Reason –** A dropdown field having the list of Restore/Reactivate reasons
        - **Description –** A text field. This should appear once the user selects the reason as "Others".
        - **Submit** button
        - **Cancel** button
    - **Delete -** A pop-up should appear having the 'Reason' and 'Description' fields along with 'Submit' and 'Cancel' buttons.
        - **Reason –** A dropdown field having the list of Delete reasons
        - **Description –** A text field. This should appear once the user selects the reason as "Others".

        - **Submit** button
        - **Cancel** button
- **Pagination –** The pagination needed to be applied on the table

Bill of Materials (BOM)

The BOM module will have the tabs as –

- There will be two sections/tabs on the BOM page as:
    - **Create BOM**
    - **Manage BOM**

Create BOM

Create BOM –The Create BOM table should have the fields as:

- **Location –** Location of the Production Plant
- **BOM Type –** Dropdown list having the values as**:**
    - **New BOM**
    - **Alternative BOM**
- **BOM Version –** Input field to enter the version of BOM
- **BOM Level –** Dropdown list having the values as**:**
    - **Multi-Level BOM**
    - **Single Level BOM**
- **Vehicle Model –** Dropdown field to select the Vehicle Model
- **Vehicle Variant -** Dropdown field to select the Vehicle Variant
- **Sub Row - Components –**
    - **Component Name –** Dropdown having list of available components
    - **Component SKU Code –** Auto-fetch field mapped with Component Name
    - **Component Description -**
    - **Category -** Auto-fetch field mapped with Component Name
    - **Sub-category -** Auto-fetch field mapped with Component Name
    - **Specifications –** Click field to view the component specifications at a pop up.
    - **Required Quantity –** Input field to enter the quantity of component units
    - **Add Icon/button**
    - **Remove Icon button**
- **Total Count -**
- **Sub Row - Labor –**
    - **Labor Type –** Dropdown having list values as:
        - **Unskilled**
        - **Skilled**
        - **Professionals**
    - **Required Workers –** Input field

    - **Total Duration (Hrs. / Days)**
    - **Add Icon/button**
    - **Remove Icon/button**
- **Sub Row - Assembly Type –** Dropdown list having the values as:
        - **Main Assembly**
        - **Sub Assembly**
    - **Assembly Name –** Input field to enter the name of Main Assembly
    - **Required Services –** Multi-select Dropdown field to select the service(s)
    - **Total Duration (Hrs. / Days)**
    - **Add icon/button**
    - **Remove Icon/button**
- **Generate BOM –** To generate the production BOM
- **Preview button:** A Summary page should get open having the details as**:**
    - **Labels –** 'BOM Type:', 'BOM Version', 'BOM Level', 'Vehicle Model', 'Vehicle Variant'
    - **Components Section –** This section should have the list of required components along with quantity.
    - **Labor Section -** This section should have the list of required labor along with head count.
    - **Assembly Section -** This section should have the list of required Assemblies along with services.
    - **Export button**
    - **Done/Close button**
- **Save as Draft button – The BOM should get saved as draft at Manage BOM table**
- **Submit BOM button**
- **Export button**
- **Share button – To be share with**
- **Back button**

Manage BOM

Manage BOM –The Manage BOM table should have the fields as:

- **Search field** - It should be an input field and should filter out the data as per the entered text from the table.
- **Refresh button** – This should be a button placed at the table, when OEM Admin clicks on the refresh button the data at the table should get updated.
- **Export button** – User should be able to Email or download (PDF/Excel) the table data from the 'Export' button.

The Manage BOM table should have the filter fields as:

- **Location –** The Location of the production plant / mill/ Factory

- **BOM Type –** Dropdown list having the values as**:**
  - **New BOM**
  - **Alternative BOM**
- **BOM Version –** Input field to enter the version of BOM
- **BOM Level –** Dropdown list having the values as**:**
  - **Multi-Level BOM**
  - **Single Level BOM**
- **Vehicle Model –** Dropdown field to select the Vehicle Model
- **Vehicle Variant -** Dropdown field to select the Vehicle Variant
- **Creation Date & Time –**Date & Time Picker field
- **Created By –** Dropdown field
- **Apply button**
- **Reset button**

The Manage BOM table should have the columns as:

- **SN –** This column should have the serial numbers of the table rows.
- **Location –** This column should have Location of Production plant
- **BOM ID –** This column should have BOM ID, it will appear once the BOM is approved from the management.
- **BOM Type –** This column should have the BOM type
- **BOM Version –** This column should have the BOM Version
- **BOM Level –** This column should have the BOM Level
- **Vehicle Model –** This column should have the Vehicle Model
- **Vehicle Variant -** This column should have the Vehicle Variant
- **Components –** Link Text to view the list of components along with specifications
- **Labor –** Link Text to view the list of required labor
- **Assembly Type –** Link Text to view the list of required Assemblies
- **Created By –** Email id of the creator user
- **Creation Date –** Date & Time of creation
- **Status –**
  - **Saved as Draft –** This status should be displayed once the production user saves the BOM as draft to be reviewed and submitted later.
  - **Pending with Procurement –** This status appears once the BOM is shared with procurement.
  - **Pending with Management –** This status should appear once Procurement has sent the BOM to Management for approval, after adding the costing.
  - **Approved -** Once approved by management
  - **Active –** Approved BOM should have Active status after a few hours of approval
  - **Discontinued –** When the BOM in use is deactivated
  - **Reactivated -** When the Deactivated BOM is used is reactivated

- **Deleted -** When the BOM is deleted.

- **Action –**
  - **Edit –**
    - Edit fields for BOM Editing
  - **Share –** A Pop up having fields as
    - **User Type – Multi-select Dropdown field having list of User Types as:**
      - **Inventory**
      - **Procurement**
      - **Management**
    - **Email ID –** Dropdown list having email ids mapped with user types.
    - **Share** button
    - **Cancel** button
  - **Preview and Submit –** This action should be displayed against the draft version of the BOM document
    - **Discontinue –** Reason pop-up. Reasons are: 'No **Longer needed', 'Production Halted due to technical issues and Others**
    - **Reactivate -** Reason pop-up. 'Activity Resumes', **'Technical issues resolved' and Others**
    - **Delete -** Reason pop-up. Reason – 'Not Required' and Others.
- **Pagination –** Pagination needed to be applied on the table.

Work Orders

The Work Orders module will have the tabs as –

There will be three tabs on the Work Orders page as:

- **Create Work Orders**
- **Manage Work Orders**
- **Work Order History**
- **Manage ADD-ON Requests**

Create Work Orders

Note: BOM ID - Will be assigned after approval once approved by the Management, notifications should be sent

Create Work Orders –The Create & Assign Work Orders table/section will be having the fields as:

- **BOM ID –** Dropdown field to select the BOM ID
- **Location – Auto-fetch from BOM**
- **BOM Name – Auto-fetch from BOM**
- **Vehicle Model & Variant – Auto-fetch from BOM**
- **Shop Floor Manager –** Dropdown field to select the Shop Floor Manager name
- **Shop Floor Email ID -** Dropdown field to select the Shop Floor Manager Email ID

- **Work Type –** Dropdown field having the values as:
    - **Production**
    - **Customized**
- **Work Timeline –** Date & Time picker field to select the Start and End of Work schedule
- **Production Quantity –** Input field to enter the number of vehicles to be produced / assembled
- **User should be able to view the BOM Components, Labor and Assembly Services data on the next page, as a table, after entering the production quantity**
- **"Next" button to view the required BOM Components, Labor and Assembly services.**
    - **Table fields on Next page –**
        - **Label As: BOM ID**
        - **Label as: BOM Name**
        - **Label as: Location**
        - **Label as: Vehicle Model & Variant**
        - **Label - WO ID**
        - **Label – WO Type**
        - **Label – Production Quantity**
        - **Export button/Icon**
    - **Filters for the table:**
        - **Component Name –** Dropdown field
        - **Component SKU Code –** Dropdown field/Auto-fetch field mapped with component name.
        - **Labor Type –** Dropdown field
        - **Assembly Name –** Dropdown field
        - **Apply** button
        - **Reset** button
            - **Data on the table:**
    - **Components – Components Quantity to be displayed here, not total units.**
        - **Label 'Total BOM Components' –** This Label should be having the number of total components required for one vehicle, not the unit quantity.
        - **Component Name**
        - **Component SKU Code**
        - **Category**
        - **Sub-Category**
        - **BOM Quantity –** This field should display the component unit quantity for one vehicle
        - **Required Quantity -** This field should display the component unit quantity for number of vehicles added
- **Labor – US-10, S-5, P-3**
    - **Labor Type**
    - **Unskilled / Skilled / Professional**
    - **BOM Count / Unit**

    - **BOM Duration**
    - **Production Count / Unit**
    - **Production Duration**
- **Assembly - Main 1 – 10, Main-2 -5, Sub 1 – 5, Sub 2 – 3**
    - **Assembly Type**
    - **Assembly Name**
    - **Service Name**
    - **BOM Quantity**
    - **BOM Duration**
    - **Production Quantity**
    - **Production Duration**
- **Create button –** To create the Work Order**.**
    - Once the user creates the work order successfully, the same should be notified to the related Shop Floor manager.
    - And to the Inventory - Only Components related data to be displayed for him.
- **Cancel button**

Manage Work Orders

Manage Work Orders - The Manage Work Orders table should have the fields as:

- **Search field** - It should be an input field and should filter out the data as per the entered text from the table.
- **Refresh button** – This should be a button placed at the table, when OEM Admin clicks on the refresh button the data at the table should get updated.
- **Export button** – User should be able to Email or download (PDF/Excel) the table data from the 'Export' button.

Manage Work Orders - The Manage Work Orders table should have filter fields such as:

- **BOM ID – This should be a dropdown field**
- **Location – Dropdown to select** Location of the Production Plant / Factory
- **BOM Name –** Dropdown to select the BOM Name
- **Vehicle Model & Variant -** Dropdown field to select Vehicle Model& Variant
- **WO ID –** The dropdown list to select the work order ID
- **WO Type –** The dropdown list to select the WO type
- **Shop Floor Email ID -** The dropdown list to select the Shop Floor Manager Email ID
- **Apply button**
- **Reset button**

Manage Work Orders - The Manage Work Orders table should have columns as:

- **BOM ID –** This column should have the BOM ID
- **Location –** This column should have the Location of Production Plant / Factory

- **BOM Name –** Clickable link to view the production BOM
- **Shop Floor Manager -** This column should have Shop Floor Manager name
- **Shop Floor Email ID -** This column should have shop floor manager email id
- **WO ID -** This column should have the WO ID
- **WO Type -** This column should have the Work Order type
- **Work Timeline –** This column should have a Work schedule i.e., Allocated time for Work completion
- **Production Quantity –** This column should have the Quantity to be produced.
- **Created By -** This column should have the email id of the production
- **Creation Date -** This column should have the WO creation date
- **Components –** Click field to view required components details. A label should be displayed at the pop up section and the
- **Labor –** This column should have clickable text to view required labor details
- **Assembly -** This column should have required assembly details
- **Status –**
    - **Assigned**
    - **Accepted**
    - **Not Accepted**
- **Non-Acceptation Reason -** This column should have the reason of non-acceptance of Work Order as: 'Insufficient Inventory', 'Technical Issue' and Others etc.
- **Action –**
    - **In Case of Assigned -**
        - **Change Assignment –** New pop-up having field as
            - **BOM ID –** Prefilled and Non-Editable
            - **Location –** Prefilled and Editable
            - **WO ID -** Prefilled
            - **WO Type -** Prefilled
            - **WO Timeline -** Prefilled
            - **Shop Floor Manager Name –** Dropdown field
            - **Shop Floor Email ID -** Dropdown field
            - **Submit** button**–** Confirmation pop-up with alert text and 'Confirm' and 'Back' button
            - **Cancel** button
        - **Edit** –
            - Edit fields of Work Order
    - **In Case of Accepted -**
        - **Edit** –
            - Edit fields of Work Order
        - **Change Assignment –** New pop-up having field as
            - **BOM ID –** Prefilled and Non-Editable
            - **Location –** Prefilled and Editable

- **WO ID -** Prefilled
- **WO Type -** Prefilled
- **WO Timeline -** Prefilled
- **Shop Floor Manager Name –** Dropdown field
- **Shop Floor Email ID -** Dropdown field
- **Submit** button– Confirmation pop-up with alert text and 'Confirm' and 'Back' button
- **Cancel** button

- **In Case of Not Accepted -**
  - **Change Assignment –** New pop-up having field as
    - **BOM ID –** Prefilled and Non-Editable
    - **Location –** Prefilled and Editable
    - **WO ID -** Prefilled
    - **WO Type -** Prefilled
    - **WO Timeline -** Prefilled
    - **Shop Floor Manager Name –** Dropdown field
    - **Shop Floor Email ID -** Dropdown field
    - **Submit** button– Confirmation pop-up with alert text and 'Confirm' and 'Back' button
    - **Cancel** button
  - **Edit** –
    - Edit fields of Work Order
  - **Re-Assign –** A confirmation pop up should be displayed having the **'**Confirmation message – Are you sure to re-assign the task to same Shop Floor Manager?**'**
  - **Confirm** button
  - **Cancel** button

- **Pagination –** Pagination needed to be added to the table

Manage ADD-ON Requests

Manage ADD-ON Requests - The Manage ADD-ON Requests table should have the fields as:

- **Search field** - It should be an input field and should filter out the data as per the entered text from the table.
- **Refresh button** – This should be a button placed at the table, when OEM Admin clicks on the refresh button the data at the table should get updated.
- **Export button** – User should be able to Email or download (PDF/Excel) the table data from the 'Export' button.

Manage ADD-ON Requests - The Manage ADD-ON Requests table should have filter fields such as:

- **BOM ID –** Dropdown field having list of BOM IDs
- **Location –** Location of the Production Plant / Factory
- **BOM Name –** Dropdown to select the BOM Name
- **WO ID –** The dropdown list to select the work order ID
- **WO Type –** The dropdown list to select the WO type
- **Vehicle Model & Variant -** Dropdown field to select Vehicle Model
- **Request Type –** Dropdown field having the list as:
    - **Components**
    - **Labor**
    - **Assembly**
    - **Replacement**
- **Shop Floor Email ID -** The dropdown list to select the Shop Floor Manager Email ID
- **Apply button**
- **Reset button**

Manage ADD-ON Requests - The Manage ADD-ON Requests table should have columns such as:

- **WO ID -** This column should have the WO ID
- **WO Type -** This column should have the Work Order type
- **BOM ID -** This column should have the BOM ID
- **Location –** This column should have the Location of Production Plant / Factory
- **BOM Name –** Clickable link to view the production BOM
- **Request ID –** System Generated ID of the request
- **Requested By -** This column should have the email id of the shop floor manager
- **Request Date -** This column should have the WO creation date
- **Request Type -** This column should have **the request type as:**
    - **Components**
    - **Labor**
    - **Assembly**
    - **Replacement**
- **Required Components –** Click field to view required components details.
- **Required Labor –** This column should have clickable text to view required labor details
- **Required Assembly -** This column should have required assembly details
- **Status –**
    - **Pending**
    - **Approved**
    - **On Hold**
    - **Rejected**
- **Non-Approval Reason -** This column should have the reason of non-approval of BOM Request as: 'Insufficient Inventory', 'Technical Issue' and Others etc.
- **Replacement Reason -** This column should have the reason of replacement as:

    - **In-compatible Part**
    - **Unskilled Labor**
    - **Engineer on leave**
    - **Assembly service not working etc.**
- **Action –**
    - **In Case of Pending –**
        - **Put On Hold -** A confirmation pop up with alert text - 'Are you sure to put this request 'On Hold'?' along with '**Confirm**' and '**Cancel**' buttons should appear by clicking on the action.
        - **Approve –** A confirmation pop up with alert text - 'Are you sure to approve the request?' along with 'Confirm' and 'Cancel' buttons should appear by clicking on the action.
        - **Reject -** A confirmation pop up with alert text - 'Are you sure to 'Reject' this request '?' along with '**Confirm**' and '**Cancel**' buttons should appear by clicking on the action.
    - **In Case of Approved –**
        - **Edit –**
            - **Update Status –** Dropdown field to update the status as**:**
                - **Put on Hold**
                - **Reject**
                - **Submit** button
                - **Cancel** button
    - **In Case of Hold –**
        - **Approve –** A confirmation pop up with alert text - 'Are you sure to approve the request?' along with 'Confirm' and 'Cancel' buttons should appear by clicking on the action.
        - **Reject -** A confirmation pop up with alert text - 'Are you sure to 'Reject' this request '?' along with '**Confirm**' and '**Cancel**' buttons should appear by clicking on the action.
    - **In Case of Rejected–**
        - **Edit –**
            - **Update Status –** Dropdown field to update the status as**:**
                - **Approve**
                - **Put on Hold**
                - **Submit** button
                - **Cancel** button
- **Pagination –** Pagination needed to be added to the table

Inventory

The Inventory module will have the tabs as –

There will be tabs on the Inventory page as:

- **WIP Inventory**
- **Finished Goods Status**
- **Finished Goods Inventory**
- **Return /Damaged Inventory**

WIP Inventory

The **WIP Inventory** table should have the fields as:

- **Search field** - It should be an input field and should filter out the data as per the entered text from the table.
- **Refresh button** – This should be a button placed at the table, when OEM Admin clicks on the refresh button the data at the table should get updated.
- **Export button** – User should be able to Email or download (PDF/Excel) the table data from the 'Export' button.

The **WIP Inventory** table should have the filter fields such as:

- **WO ID –** The dropdown list to select the work order ID
- **WO Type –** The dropdown list to select the WO type
- **BOM ID –** This should be a dropdown field
- **Location –** Dropdown to select Location of the Production Plant / Factory
- **BOM Name –** Dropdown to select the BOM Name
- **Status – Dropdown having values as:**
  - **Full Addition**
  - **Partial Addition**
- **WIP Inventory Date –** Date Picker field
- **Apply** button
- **Reset** button

The **WIP Inventory** table should have the columns as:

- **WO ID -** This column should have the WO ID
- **WO Type -** This column should have the Work Order type
- **BOM ID –** This column should have the BOM ID
- **Location –** This column should have the Location of Production Plant / Factory
- **BOM Name –** Clickable link to view the production BOM
- **Shop Floor Manager -** This column should have Shop Floor Manager name
- **Shop Floor Email ID -** This column should have shop floor manager email id
- **Work Timeline –** This column should have a Work schedule i.e., Allocated time for Work completion
- **Production Quantity –** This column should have the Quantity to be produced.

- **Added By -** This column should have the email id of the **Shop Floor Manager**
- **Addition Date -** This column should have the WIP Addition date
- **Added Components –** Click field to view the added components details. The Added components should be displayed as checked and the not added components should be displayed as unchecked in the rows. Serial number of each received component should be displayed on a pop-up.
- **Status –**
    - **Full Addition**
    - **Partial Addition**
- **Pagination –** Pagination needed to be added to the table

Finished Goods Status

The **Finished Goods Status** tab will be having the table as **Finished Goods Status**

The **Finished Goods Status** table should have the columns as:

- **WO ID –** Dropdown field to select the Work Order ID. Once the Order ID is selected the be low **fields** should appear:
- **Label - WO ID - Value**
- **Label - WO Type - Value**
- **Label – BOM ID - Value**
- **Label - BOM Name - Value**
- **Label – WO Timeline - Value**
- **Label – Production Quantity - Value**
- **Label – Actual Production – Quantity Value**
- **Label – Today's Production – Value**
- **Columns -**
- **SN**
- **Shop Floor Manager –** This column should have the Shop Floor Manager name
- **Shop Floor Email ID -** This column should have the Shop Floor Manager Email Id
- **Segment – 2 Wheeler**
- **Model - Karizma**
- **Variant -NX**
- **Type - Sports**
- **Category - Standard**
- **VIN / Vehicle SN – HN897797979**
- **Battery Type – Li-Ion**
- **BIN – JB00987**
- **Battery Capacity – 12 KWh**
- **Nominal Voltage – 48 Volts**
- **Verification Date – Date & Time Value**

- **Status –**
    - **Pending for Verification**
    - **Verification Passed**
    - **Failed in Verification**
- **Failure Reason / Issue –** Issue(s) found while verification
- **Pagination –** Pagination is required at the table

Finished Goods Inventory

The **Finished Goods Inventory** table should have the fields as:

- **Search field** - It should be an input field and should filter out the data as per the entered text from the table.
- **Refresh button** – This should be a button placed at the table, when OEM Admin clicks on the refresh button the data at the table should get updated.
- **Export button** – User should be able to Email or download (PDF/Excel) the table data from the 'Export' button.

The **Finished Goods Inventory** table should have the filter fields such as:

- **Vehicle Model -** Dropdown list of Vehicle Model names
- **Vehicle Variant –** Dropdown list of Vehicle Variant names
- **VIN (Vehicle Identification No.) –** Dropdown field
- **BIN (Battery Identification No.) –** Dropdown field
- **Added By –** Dropdown field having the Shop Floor Manager name & Email ID
- **Inventory Date –** Date picker field to select the inventory addition date
- **Apply** button
- **Reset** button

The **Finished Goods Inventory** table should have the columns as:

- **Label – Total Inventory -**
- **SN –** Serial Number of table rows
- **WO ID –Clickable WO ID**
- **BOM ID –Clickable BOM ID**
- **Location - Location**
- **Segment – 2 Wheeler**
- **Model - Karizma**
- **Variant -NX**
- **Type - Sports**
- **Category - Standard**
- **VIN / Vehicle SN – HN897797979**
- **Battery Type – Li-Ion**

- **BIN – JB00987**
- **Battery Capacity – 12 KWh**
- **Nominal Voltage – 48 Volts**
- **Added By –** This column should have the name & Email ID of the Shop Floor Manager
- **Inventory Date –** The Date on which the vehicle is added to Inventory
- **Pagination –** Pagination needed to be added to the table

Return /Damaged Inventory

The **Return /Damaged Inventory** table should have the fields as:

- **Search field** - It should be an input field and should filter out the data as per the entered text from the table.
- **Refresh button** – This should be a button placed at the table, when OEM Admin clicks on the refresh button the data at the table should get updated.
- **Export button** – User should be able to Email or download (PDF/Excel) the table data from the 'Export' button.

The **Return /Damaged Inventory** table should have the filter fields such as:

- **WO ID –** The dropdown list to select the work order ID
- **BOM ID –** This should be a dropdown field
- **Component Name –** Dropdown field having the list of components
- **Returned By –** Dropdown list to select the Name of Production user
- **Returned Date –** Date picker to select the date & Time of Inventory
- **Reason –** Dropdown field to select the Return / Rejection reason.
- **Apply** button
- **Reset** button

The **Return /Damaged Inventory** table should have the columns as:

- **WO ID -** This column should have the WO ID
- **WO Type -** This column should have the Work Order type
- **BOM ID –** This column should have the BOM ID
- **Component Name -** This column should have the name of Component
- **Returned Quantity –** This column should have the returned quantity number
- **Component Serial Nos. –** This column should have the Serial Numbers of the Component
- **Return Reason –** This column should have the reason of returning the component
- **Returned By -** This column should have production user name & email ID
- **Returned Date -** This column should have the Date of addition to the Rejected Inventory
- **Pagination –** Pagination needed to be added to the table