* **Load Device Shape**:

The Recipe Editor Standalone application uses Device shape to populate various fields. The Device shapes are different with respect to different system. Operations are associated with Configuration file. The .cfg file has the information for actions, criteria and value. For creating and opening an operation configuration file must be selected.

GetDeviceShapeObject api shall be used for fetching the configuration file.

**API Definition**

|  |  |  |  |
| --- | --- | --- | --- |
| **API** | **Description** | **Definition** | **Class Name** |
| getDeviceShapeObjects | Api shall be used for fetching the configuration file objects. | JSON object of data | DeviceShape |

**Scope**

Predefined JSON data object for valve control and open action.

Refer DS specification for the JSON structure. <http://dfwpjajira01.sial.com:8080/browse/BIOPPROGM-340>

* **Recipe Editor**:

**Recipe Editor UI:**

The Recipe Editor shall be a Table with 250 rows and 8 columns. The table shall have one action to be populated.

One action to be selected based on the device shape configuration provided.

**Scope**

**Action Group**:

The table current implementation shall have one Action Group being “Valve Control”.

**Action:**

The Action Group shall have one Action Description. The Action Description is going to “XV201 Inlet S1.1 Open”.

**Label:**

The label dropdown shall be displayed as a dropdown based on the Action for the Operation available. The range for the label shall be from 1-20.

**Criteria1 and Criteria2:**

A criteria Dialog box shall be available with content of Criteria description dropdown, Operator dropdown, Input label for value, Operation step input, Criteria 1 &2 Input, Action Input and Ok and cancel button.

The criteria definition for this operation shall be “Total Time” and “FLC001 Pump1 Control Stable". Each of the Criteria definition shall have Operator and Value enabled or disabled based on the Criteria Description.

The Operator shall have dropdown with values “None,=,>=,<=”.

The value input shall display a dialog box for entering the values. The Value for the Criteria has Range-Lo and Range-Hi values. The value shall be validated for the range of Range-Lo and Range-Hi values.

The EGU for the value also shall be available.

The step label is based on the operation step

The Criteria is based on the Criteria 1 or 2 selected.

**Value :**

The value in the table shall populate the Action Value corresponding to the Action from the Device shape file.

**Bool:**

The value for the Boolean shall be populated based on the Critera1 and Criteria2 defined. The Bool shall have the OR and AND in the dropdown.

**Comment:**

The comment shall display a dialog box to enter the comments. The comments bind on to the table on clicking ok.