

Node-RED: More on GUI

APPLICATION INTERFACE CONTROLLER

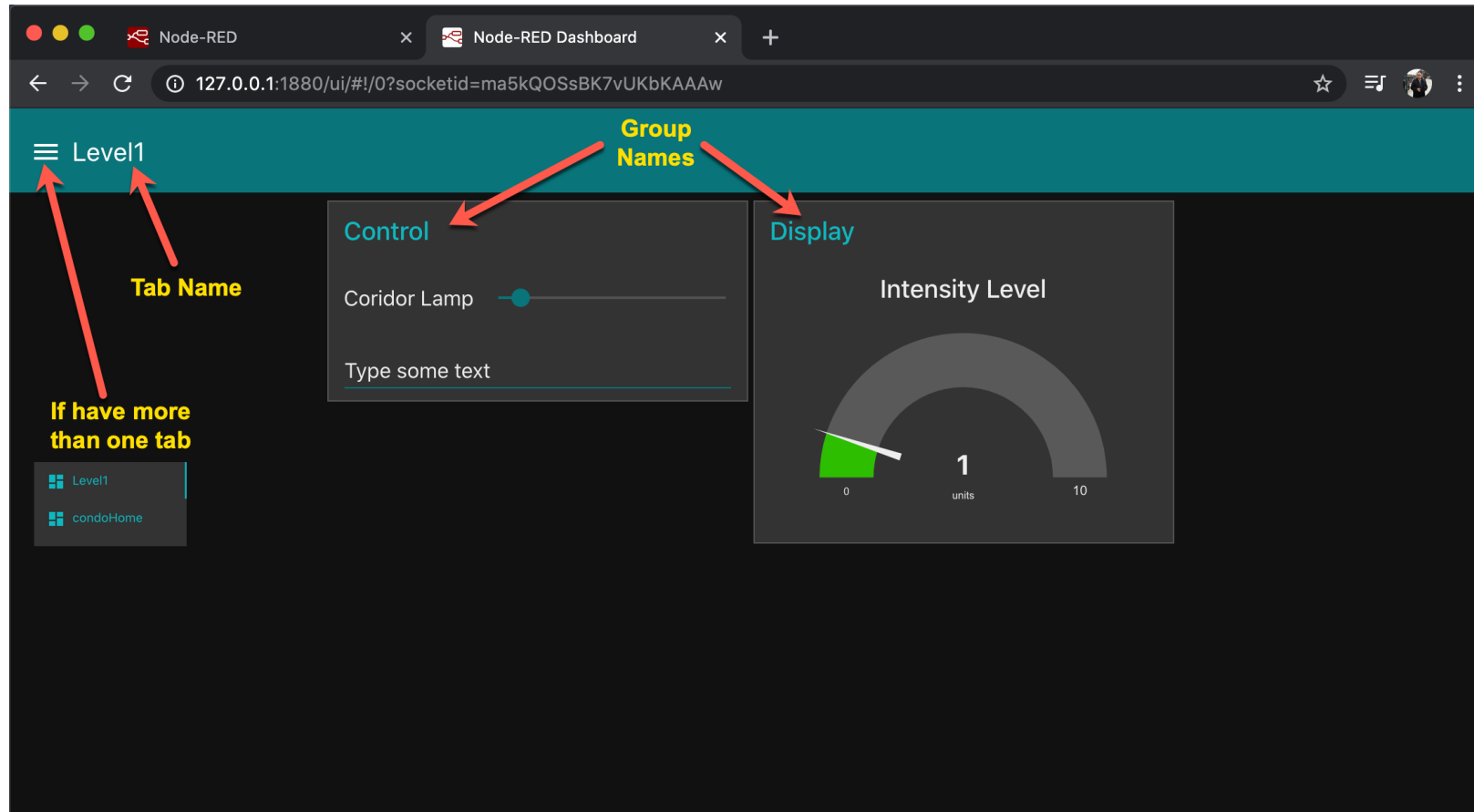
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Another exercise of UI dashboard.



You may have more than one display called **tab(s)** with different name(s).

Things to consider:

- Tab Name
→ the project name
- Group Name
→ group(s) under the tab name
- Label
→ the name on the dashboard
- Name
→ the name in the flow workspace

The screenshot shows the 'Edit slider node' dialog box with the following fields and annotations:

- Delete** button (top left), **Cancel** button (top right), **Done** button (top right).
- Properties** tab (top left).
- Select proper Tab i.e., [Level1]** (purple text annotation above the Group field).
- Group** field: [Level1] Control (with a dropdown arrow and an edit icon). A red arrow points to the dropdown arrow with the text 'Click edit to add new group'.
- Size** field: auto.
- Label** field: Coridor Lamp (with a red arrow pointing to it and the text 'Name on dashboard').
- Tooltip** field: optional tooltip.
- Range** field: min 0, max 10, step 1.
- Output** field: continuously while sliding (with a dropdown arrow).
- If msg arrives on input, set slider to new payload value:** ☒.
- When changed, send:**
 - Payload**: Current value
 - Topic**: (empty field)
- Name** field: Main Slider (with a red arrow pointing to it and the text 'Name in Flow').
- Enabled** checkbox (bottom left).

More on UI: Controlling the UI Dashboard Layout

Edit slider node

Delete Cancel Done

Properties

Select proper Tab i.e., [Level1]

Group [Level1] Control

Size auto

Label Corridor Lamp

Tooltip optional tooltip

Range min 0 max 10 step 1

Output continuously while sliding

If msg arrives on input, set slider to new payload value: ☒

When changed, send:

Payload Current value

Topic

Name Main Slider

Enabled

Edit slider node > Edit dashboard group node

Delete Cancel Update

Properties

Name Control

Tab Level1

Width 6

☒ Display group name

☐ Allow group to be collapsed

Enabled 4 nodes use this config On all flows

Edit slider node > Edit dashboard group node > Edit dashboard tab node

Delete Cancel Update

Properties

Name Level1

Icon dashboard

State ☒ Enabled

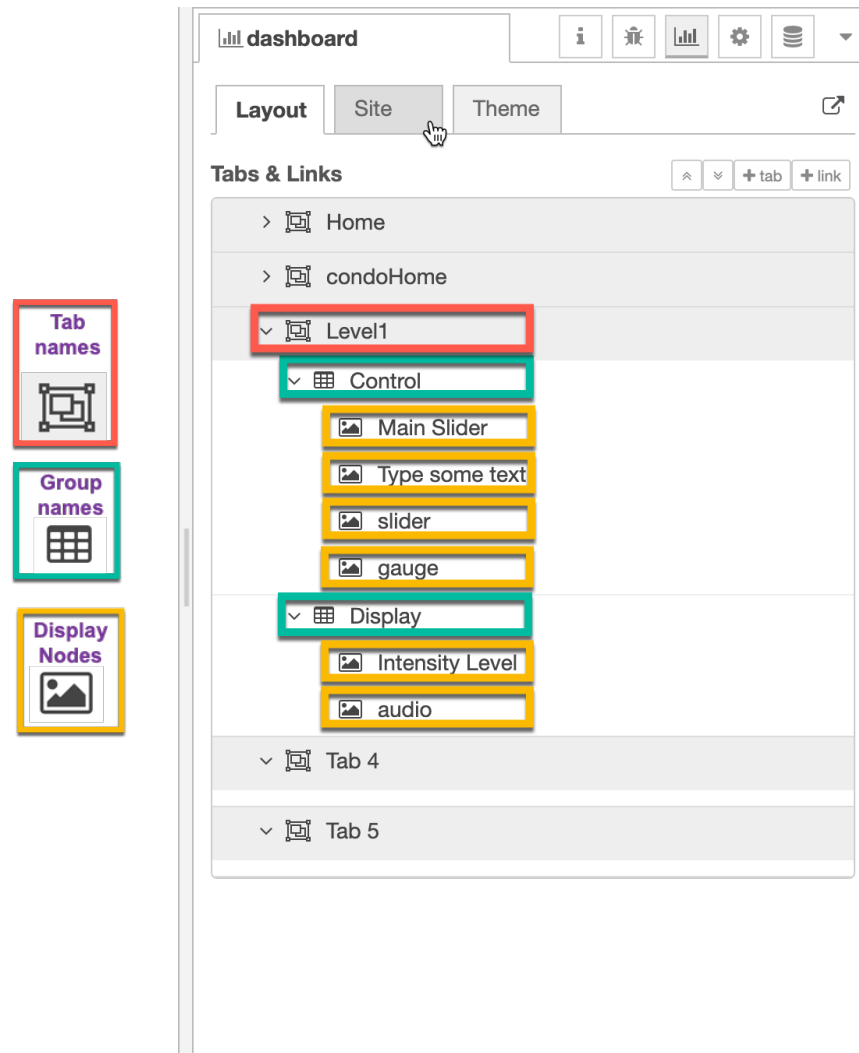
Nav. Menu ☒ Visible

The **Icon** field can be either a Material Design icon (e.g. 'check', 'close') or a Font Awesome icon (e.g. 'fa-fire'), or a Weather icon (e.g. 'wi-wu-sunny').

You can use the full set of google material icons if you add 'mi-' to the icon name. e.g. 'mi-videogame_asset'.

Enabled 3 nodes use this config On all flows

More on UI: Controlling the UI Dashboard Layout

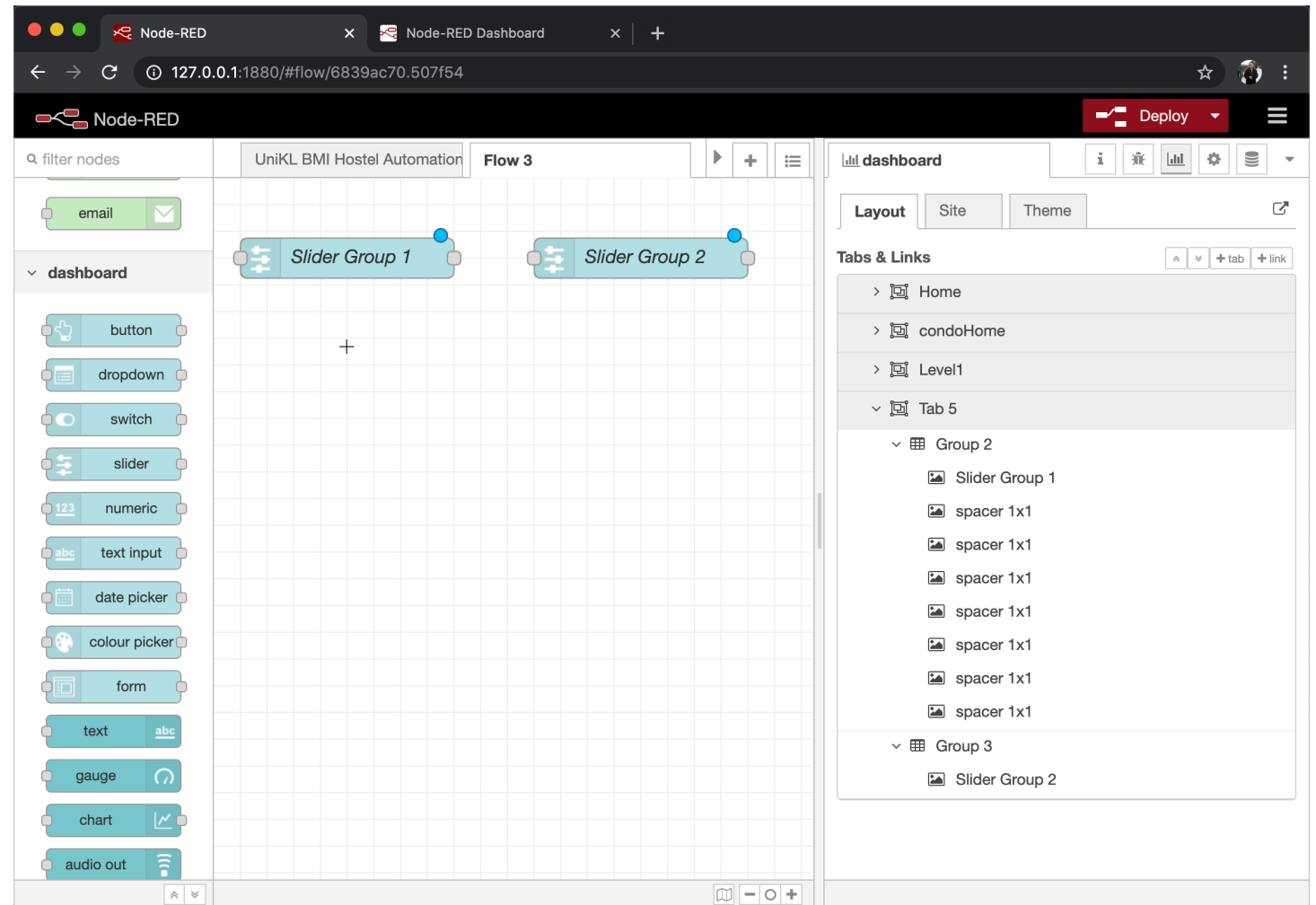


More on UI: Controlling the UI Dashboard Layout

Example 1:

Hopefully you know what to do...

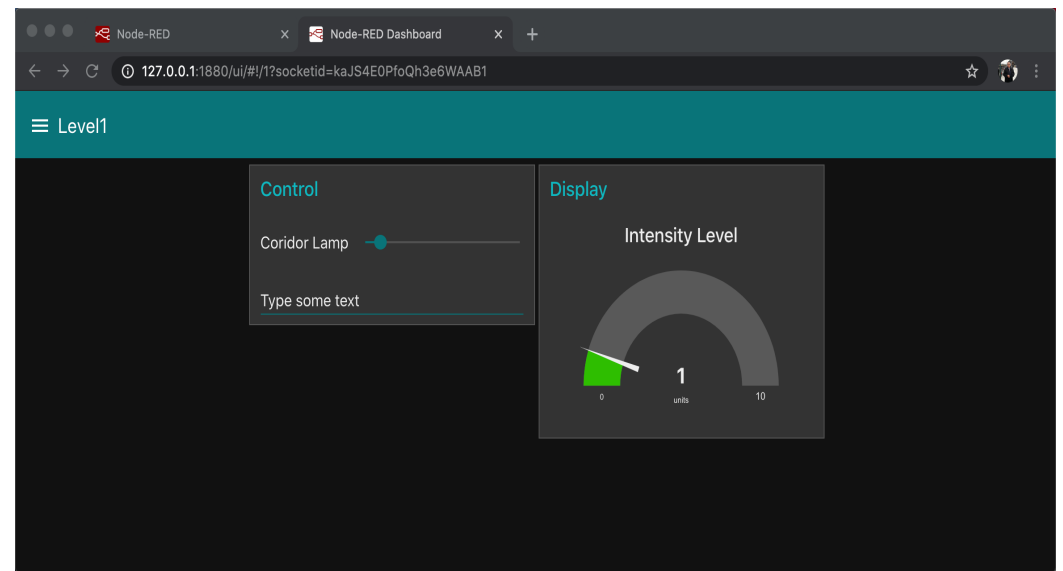
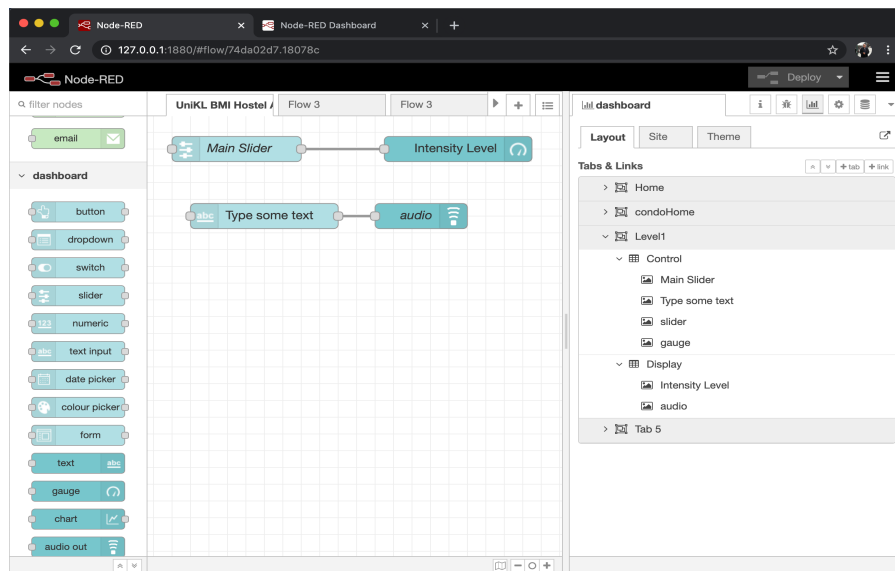
```
[{"id":"6839ac70.507f54","type":"tab","label":"Flow 3","disabled":false,"info":"","id":"45590238.47b11c","type":"ui_slider","z":"6839ac70.507f54","name":"Slider Group 1","label":"slider","tooltip":"","group":"7e11b40.f03364c","order":5,"width":0,"height":0,"passthru":false,"outs":"all","topic":"","min":0,"max":10,"step":1,"x":100,"y":60,"wires":[[]]},{id":"a1326168.b25a6","type":"ui_slider","z":"6839ac70.507f54","name":"Slider Group 2","label":"slider","tooltip":"","group":"dcb348aa.078308","order":0,"width":0,"height":0,"passthru":true,"outs":"all","topic":"","min":0,"max":10,"step":1,"x":320,"y":60,"wires":[[]]},{id":"7e11b40.f03364c","type":"ui_group","z":"","name":"Group 2","tab":"ec401695.8169b8","order":2,"disp":true,"width":6,"collapse":false},{id":"dcb348aa.078308","type":"ui_group","name":"Group 3","tab":"ec401695.8169b8","order":3,"disp":true,"width":6},{id":"ec401695.8169b8","type":"ui_tab","name":"Tab 5","icon":"dashboard","order":5}]
```



More on UI: Controlling the UI Dashboard Layout

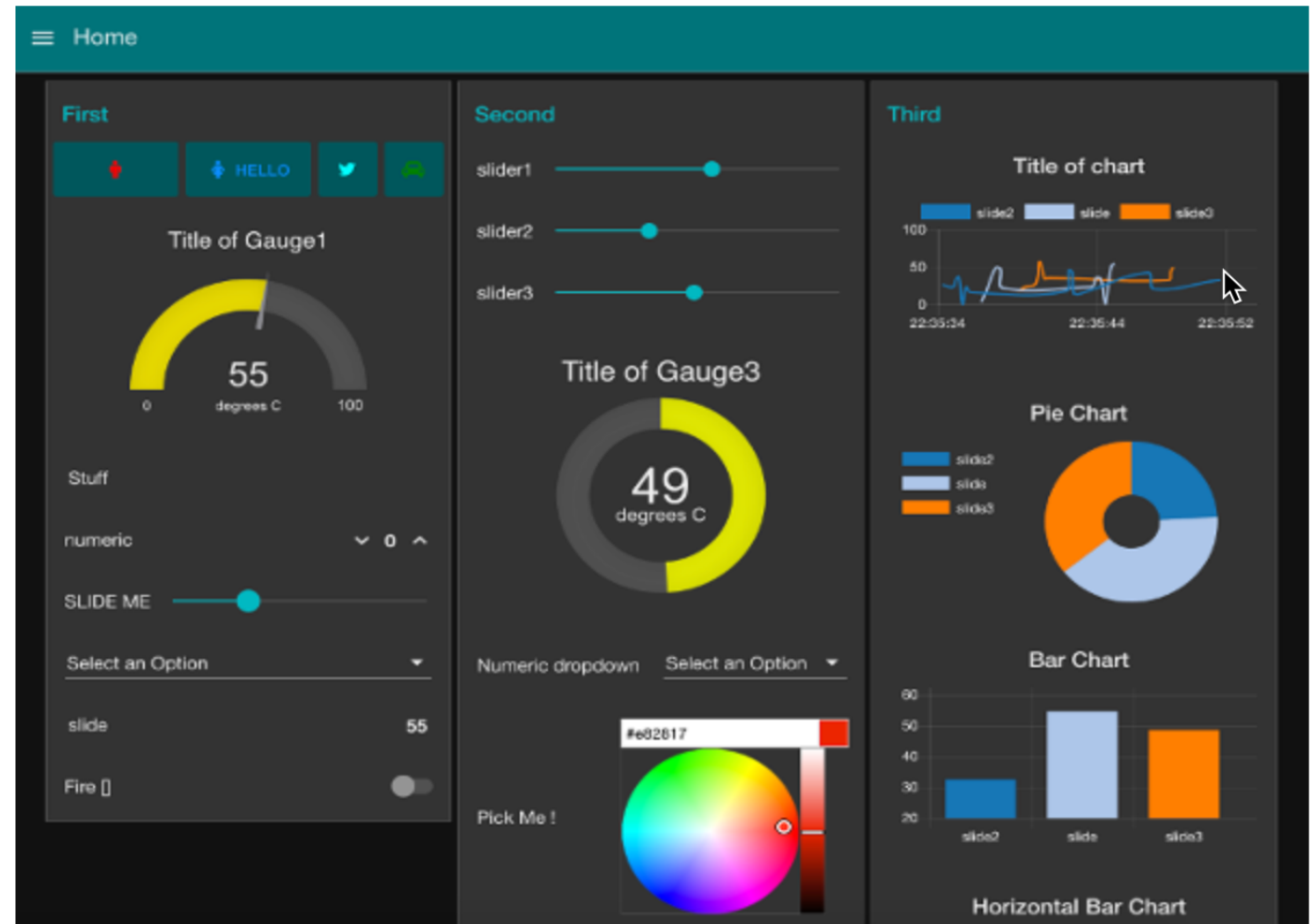
Exercise i.

Create a UI that will control Level1 activities. It must have 2 groups; Control & Display. The control element are a at the Control group, while the display and sound are at the Display group.



Exercise ii.

Produce the followings:



QnA

END