Node Red Clue System Installation and Usage

STEP 1:

Install node.js from here
https://nodejs.org/en/download/

STEP 2:

Install node-red from instructions here:
https://nodered.org/docs/getting-started/local

Following the instructions here:
Installing with npm
- To install Node-RED you can use the npm command that comes with node.js:
- open a command prompt in windows (hit windows key and type cmd then hit enter)
- run the command:
- `npm install -g --unsafe-perm node-red`
- That command will install Node-RED as a global module along with its dependencies.

STEP 3:

Run node red (this is also how you start the server for the clue system once it is all installed)
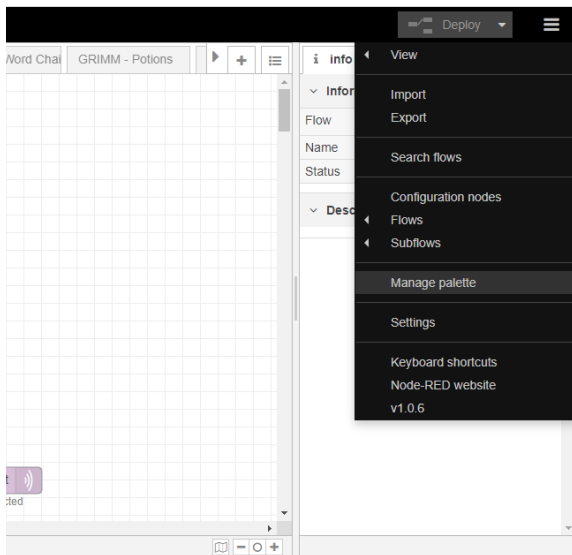Open a command prompt and type the command:
`Node-red`

STEP 4:

Wait until it has finished loading and then
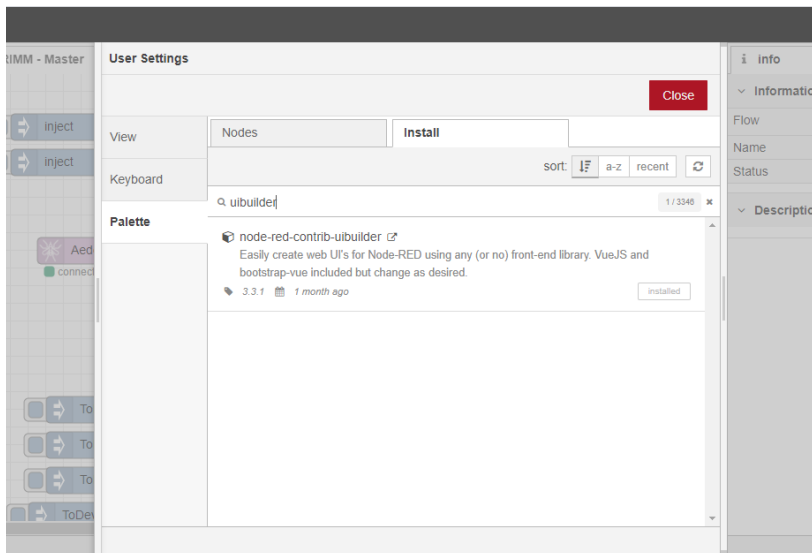Go to http://localhost:1880

STEP 5:

Install additional node-red modules:
In the node-red dashboard click on the 'burger menu' and select 'Manage Palette'
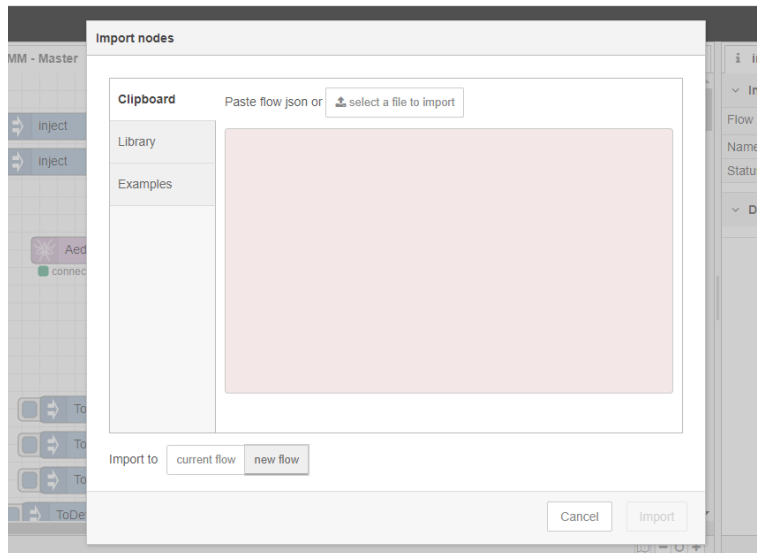
Click on the 'Install' tab and search for 'uibuilder' then click the install button for 'node-red-contrib-uibuilder'

Repeat this step for the following modules:
'node-red-dashboard'
Then hit the "DEPLOY" button in the top right.

STEP 6:

Installing the flow
Use the burger menu to select 'Import'

Select 'import from file'
Then select the json file (downloaded from dropbox) for the 'generic-blank' flow
Make sure the 'New Flow' button is selected at the bottom of the import window.

STEP 7: (this can be done later if needed)

Setting up images:
save all images to the folder `username/.nodered/uibuilder/common/images/`
image file names MUST NOT CONTAIN SPACES

Setting up videos:
save all videos to the folder `username/.nodered/uibuilder/common/videos/`
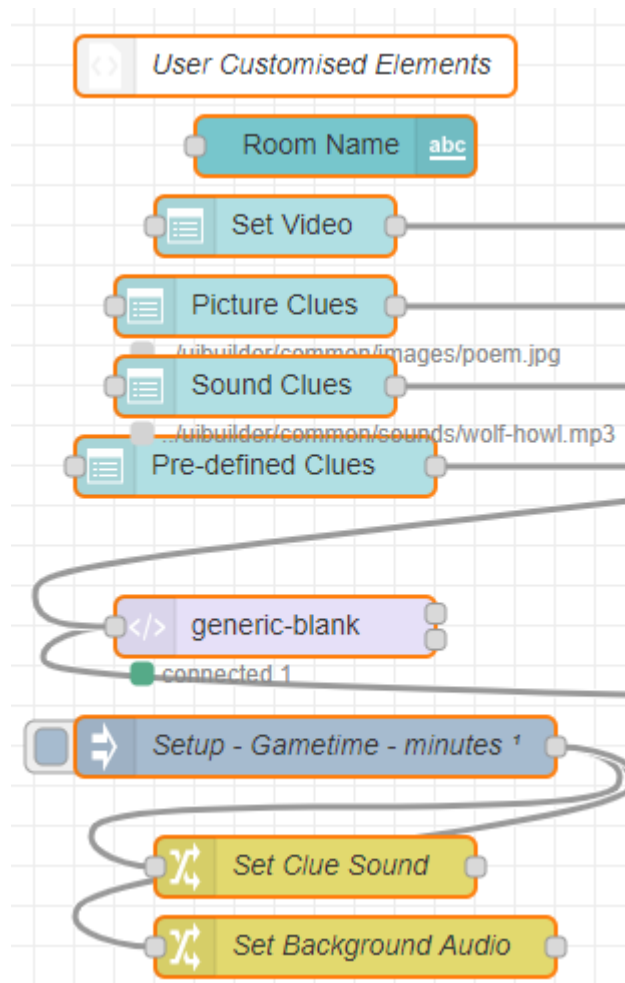video file names MUST NOT CONTAIN SPACES

Setting up sounds:
save all sounds (including bg music) to the folder
`username/.nodered/uibuilder/common/sounds/`
sound file names MUST NOT CONTAIN SPACES

STEP 8:

In the node-red dashboard
All of the nodes you need to edit are listed under the 'User Customised Elements'

START HERE

Generic-blank: double click to edit

The name of this node is the main webpage which the clues are delivered on

 - change name to something short and related to the room like the name of the room (no spaces)

Hit DEPLOY

 - web address for the clue screen will then be

 - `http://ipaddressofnoderedmachine:1880/roomname`

 - e.g. `http://192.168.0.15:1880/heist`

 - it will create a new folder on the node-red computer in

`.nodered/uibuilder/roomname`

 - **You will then need to copy the files from dropbox 'generic-blank' folder into this new folder**

Set Video:

 - set path to video file to play on the clue screen

 - video paths should have the form

`../uibuilder/common/video/nameofvideofile.mp4`

 - http:// links to video files are also valid

Picture Clues:

- set path and short name for picture clues
- image paths should have the form
`../uibuilder/common/images/nameofimage.jpg`
- .png .gif and other file types are also valid

Predefined Clues:

- set list of short names and full text clues

Setup Gametime:

- enter the length of the game in minutes here (default is 60)

Set Clue Sound:

- enter path to sound file to play when picture/text clues are shown
- path should be `../uibuilder/common/sounds/soundfile.mp3`
- e.g.
- `../uibuilder/common/sounds/nostramo.mp3`