

App: Panel: Phase #1

Date: Apr 2d, 2023

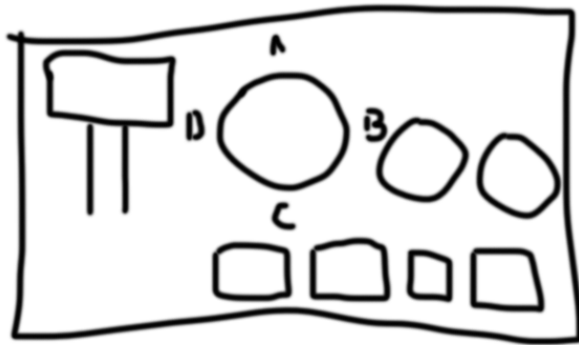
Domain: <https://panel.brickmmo.com>

GitHub: <https://github.com/codeadamca/brickmmo-panel>

Application Purpose:

This application will provide a physical dashboard to control the BrickMMO Smart City.

The end result will be a physical control panel with a series of buttons and panels to provide the city with an many settings as possible:



Note: The above schema is just a rough draft.

Front-End:

Front end facing application will include the following features:

- A visualization of the physical panel and the current settings

Back-End:

Application will include a control panel to achieve the following:

- A place to login and make comments as to what each setting does
- List of settings will not change
- Possibly add hooks to each setting (a hook is an API call to initiate when a setting is changed)

API:

Application API will include the following API calls:

Method	Endpoint	Description
GET	/api/complete	<p>A JSON export of all current settings</p> <p>Parameters: None</p> <p>Returns: A list of all settings in all modes.</p> <p>Sample JSON:</p> <pre>{ "master": "on", "mode": "a", "data": { "a": { "leftDial": "0", "rightDial": "360", "buttonA": "on", "buttonB": "on", "buttonC": "off", "buttonD": "off" }, "b": { "leftDial": "0", "rightDial": "360", "buttonA": "on", "buttonB": "on", "buttonC": "off", "buttonD": "off" }, "c": { "leftDial": "0", "rightDial": "360", "buttonA": "on", "buttonB": "on", "buttonC": "off", "buttonD": "off" }, "d": { "leftDial": "0", "rightDial": "360", "buttonA": "on", "buttonB": "on", "buttonC": "off", "buttonD": "off" } } }</pre>

		<pre> } } } </pre>
GET	/api/status/{actuator}	<p>A JSON export of one current setting</p> <p>Parameters: actuator (required): the panel item of the desired status, for example: data.d.buttonA, master, mode</p> <p>Returns: A single value of the current actuator status.</p> <p>Sample JSON:</p> <pre> { "actuator": "data.d.buttonA", "name": "buttonA", "status": "on", "mode": "d", "lastEdited": "1680440926" } </pre>