

API Documentation

1- To List all devices

Request type - GET

API endpoint - */controller/list_devices/*

Input – empty

Output -

```
{  
  "fridge": "111.0.0.9:9000",  
  "table": "90.09.9.9:9000"  
}
```

2- To add new device

Request type – POST

API endpoint - */controller/add_device/*

Input - Body

```
{'name': <string value>,  
  'ip': <url>}
```

ex - {'name': 'fridge', 'ip': '192.76.98.56:9000'}

Output -

case 1 – when device is successfully added

```
{  
  "status": "device added"  
}
```

case 2 – when device is not successfully added

```
{  
  "error": "Error in recieving device configuration"  
}
```

3- To remove a device

Request type – DELETE

API endpoint - /controller/remove_device/

Input – Params

{‘name’:<string>}

ex - {‘name’:’table’}

Output -

case 1 – when device is successfully removed

```
{  
  "status": "device removed"  
}
```

case 2 – when device to be removed is not added

```
{  
  "status": "device not added"  
}
```

case 3 – when input parameter has an error

```
{  
  "error": "name required"  
}
```

4- To perform a task using the added device

Request type – POST

API pointing - /controller/do_task/

Input – Body

{‘name’: <added device name, string>,

‘task’: <string> }

ex - {‘name’:’fridge’,
 ‘task’: ‘open’}

Output -

case 1 – when task is completed successfully

```
{  
  "status": "task completed"
```

```
}  
    case 2 – when called device is not present  
    {  
        "error": "called device is not added to network"  
    }  
}
```