

Unit Testing Your Web Application

Moshe Zadka – <https://cobordism.com>

Acknowledgement of Country

Belmont (in San Francisco Bay Area Peninsula)
Ancestral homeland of the Ramaytush Ohlone people

Static Value

```
def empty(request):  
    return pyramid.response.Response(  
        json.dumps({}).encode("ascii"),  
        content_type="application/json",  
    )  
  
with pyramid.config.Configurator() as config:  
    config.add_route("root", "/")  
    config.add_view(empty, route_name="root")  
    app = config.make_wsgi_app()
```

Static View Retrieval

```
request = client.get("/")  
request.json()  
  
{}
```

JSON View

```
def json(request):  
    return {}  
  
with pyramid.config.Configurator() as config:  
    config.add_route("root", "/")  
    config.add_view(empty, route_name="root")  
    config.add_route("json", "/json")  
    config.add_view(json, route_name="json", render  
app = config.make_wsgi_app()
```

JSON View Retrieval

```
request = client.get("/json")  
request.json()
```

```
{}
```

Parameter View

```
def params(request):  
    return dict(thing=request.params[" thing" ])   
with pyramid.config.Configurator() as config:  
    config.add_route(" root", "/" )  
    config.add_view(empty, route_name=" root" )  
    config.add_route(" json", "/json" )  
    config.add_view(json, route_name=" json", render  
    config.add_route(" params", "/params" )  
    config.add_view(params, route_name=" params", re  
app = config.make_wsgi_app()
```

Parameter View Retrieval

```
request = client.get("/params?thing=hello")  
request.json()
```

```
{ 'thing ': 'hello ' }
```


Parameter View

```
def matches(request):  
    return dict(name=request.matchdict["name"])  
with pyramid.config.Configurator() as config:  
    config.add_route("root", "/")  
    config.add_view(empty, route_name="root")  
    config.add_route("json", "/json")  
    config.add_view(json, route_name="json", render  
    config.add_route("params", "/params")  
    config.add_view(params, route_name="params", re  
    config.add_route("matches", "/matches/{name}")  
    config.add_view(matches, route_name="matches",  
    app = config.make_wsgi_app()
```

Parameter View Retrieval

```
request = client.get("/matches/hello")  
request.json()
```

```
{ 'name': 'hello ' }
```

Body View

```
def body(request):  
    return dict(field=request.json_body["field"])  
with pyramid.config.Configurator() as config:  
    config.add_route("root", "/")  
    config.add_view(empty, route_name="root")  
    config.add_route("json", "/json")  
    config.add_view(json, route_name="json", render=json)   
    config.add_route("params", "/params")  
    config.add_view(params, route_name="params", render=json)   
    config.add_route("matches", "/matches/{name}")  
    config.add_view(matches, route_name="matches", render=json)   
    config.add_route("body", "/body")  
    config.add_view(body, route_name="body", render=json)   
app = config.make_wsgi_app()
```

Body View Retrieval

```
request = client.post("/body", json=dict(field="hello"))  
request.json()
```

```
{'field': 'hello'}
```