**IJM Web Service**

define("SUCCESS", "200"); // successfully

define("MISSING\_PARAMETER", "100"); // Parameter missing

define("SERVER\_INTERNAL\_ERROR", "401"); // server process error

# - Web Service Call form

[http://{server\_address }/process/{action](http://localhost/phonebook/index.php?r=process/action)}

# - add Product

http://7d94698f.ngrok.io/process/addProduct?name=111&category=222&desc=good&thumbnail=|www.bing.com|www.outlook.com|

{"retcode":"200","content":{"name":"111","desc":"good","category":"222","id":6},"error\_msg":""}

# - update Product

http://7d94698f.ngrok.io/process/updateProduct?product\_id=6&name=222&category=222&desc=good&thumbnail=|www.333.com|www.666.com|

{"retcode":"200","content":{"id":6,"name":"222","desc":"good","category":"222"},"error\_msg":""}

# - delete Product

http://7d94698f.ngrok.io/process/deleteProduct?product\_id=1

{"retcode":"200","content":[],"error\_msg":""}

# - get Product List

http://7d94698f.ngrok.io/process/getProductList

{"retcode":"200","content":[{"id":3,"name":"111","desc":"good","category":"222","thumbnail":[{"id":1,"thumbnail":"123"}]},{"id":4,"name":"111","desc":"good","category":"222","thumbnail":[{"id":2,"thumbnail":"123"},{"id":3,"thumbnail":"234"}]},{"id":6,"name":"222","desc":"good","category":"222","thumbnail":[{"id":12,"thumbnail":"www.333.com"},{"id":13,"thumbnail":"www.666.com"}]},{"id":7,"name":"111","desc":"good","category":"222","thumbnail":[{"id":14,"thumbnail":"www.bing.com"},{"id":15,"thumbnail":"www.outlook.com"}]},{"id":8,"name":"111","desc":"good","category":"222","thumbnail":[{"id":16,"thumbnail":"www.bing.com"},{"id":17,"thumbnail":"www.outlook.com"}]}],"error\_msg":""}