

Services API – XML Optional

Important note: All the services should be created by using XML as the response format.

General Response Format

All the requests will follow a simple basic format for the errors and another one for the success.

In the case where there was an error from the server side, the return will be:

```
<?xml version="1.0" encoding="UTF-8" ?>
<success>false</success>
<error_code>XXX</error_code>
<errmsg>ERROR_MESSAGE</errmsg>
```

Then, if everything is working fine the return will be one of two possible results, the following is presented in the case where the service will return just one element (find by id).

```
<?xml version="1.0" encoding="UTF-8" ?>
<MODEL>
  <ATTR1>1</ ATTR1>
  <ATTR2>Somewhere over the rainbow</ ATTR2>
  ...
</MODEL>
<success>true</success>
```

Finally, the following element will present the object that will be returned in the case where the request is for getting a list of elements

```
<?xml version="1.0" encoding="UTF-8" ?>
<PLURAL_MODEL>
  <ATTR1>1</ ATTR1>
  <ATTR2>Somewhere over the rainbow</ ATTR2>
  ...
</ PLURAL_MODEL >
<success>true</success>
<total_elements>2</total_elements>
```

Service Error Responses

All the responses for the errors have the following format.

```
<?xml version="1.0" encoding="UTF-8" ?>
```

```
<success>false</success>
```

```
<error_code>111</error_code>
```

```
<errmsg>ERROR_MESSAGE</errmsg>
```

Also, the list of all the error codes and messages are:

400 - Bad request

404 - Record not found

500 - Server Error

Services description

List all stores

Request Method	GET
Path	/services/stores
Parameters	None
Sample request	Load all the stores that are stored in the Database.
Response	<pre><?xml version="1.0" encoding="UTF-8" ?> <stores> <id>1</id> <address>Somewhere over the rainbow</address> <name>Super Store</name> </stores> ... <success>true</success> <total_elements>2</total_elements></pre>
Errors	None

List all the articles

Request Method	GET
Path	/services/articles
Parameters	None
Sample request	Load all the articles that are in the Database.
Response	<pre><?xml version="1.0" encoding="UTF-8" ?> <articles> <id>1</id> <description>The best quality of shoes in a green color</description> <name>green shoes</name></pre>

	<pre> <price>20.15</price> <total_in_shelf>25</total_in_shelf> <total_in_vault>40</total_in_vault> <store_name>Super Store</store_name> </articles> ... <success>true</success> <total_elements>2</total_elements> </pre>
Errors	None

List all the articles that are in a specific store

Request Method	GET
Path	/services/articles/stores/:id
Parameters	id: a numeric value of the ID of the store
Sample request	Load all the articles from a specific store that are in the Database.
Response	<pre> <?xml version="1.0" encoding="UTF-8" ?> <articles> <id>1</id> <description>The best quality of shoes in a green color</description> <name>green shoes</name> <price>20.15</price> <total_in_shelf>25</total_in_shelf> <total_in_vault>40</total_in_vault> <store_name>Super Store</store_name> </articles> ... <success>true</success> <total_elements>2</total_elements> </pre>
Errors	<p>Wrong parameters (id is not a number)</p> <pre> <?xml version="1.0" encoding="UTF-8" ?> <success>false</success> <error_code>400</error_code> <errmsg> Bad Request </errmsg> </pre> <p>No store with that ID</p> <pre> <?xml version="1.0" encoding="UTF-8" ?> <success>false</success> <error_code>404</error_code> <errmsg> Record not Found</errmsg> </pre>