

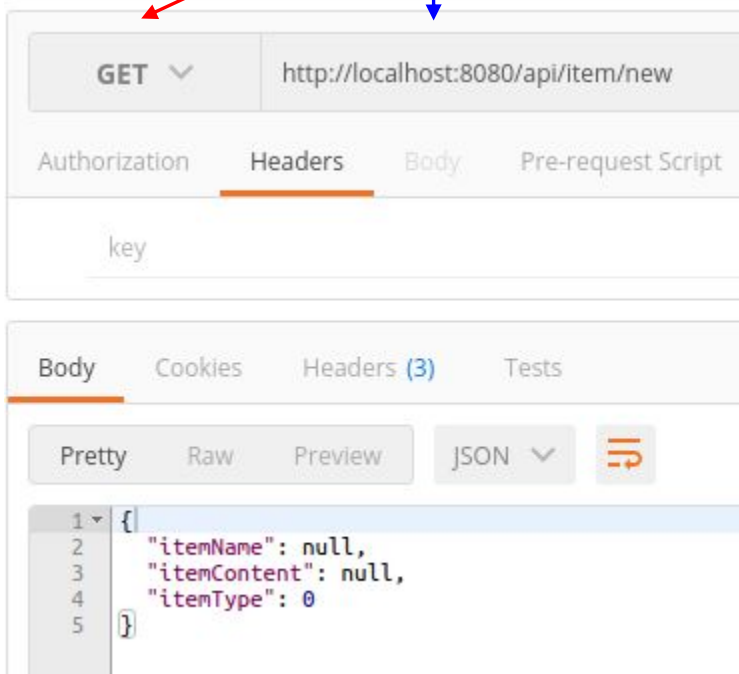
## Manual

### 1. Programming

- a) Language : Java 7 + maven
- b) Framework : Spring boot 1.4
- c) Webserver : Tomcat 7
- d) Package : war
- e) Tester : Postman ( chrome addon )

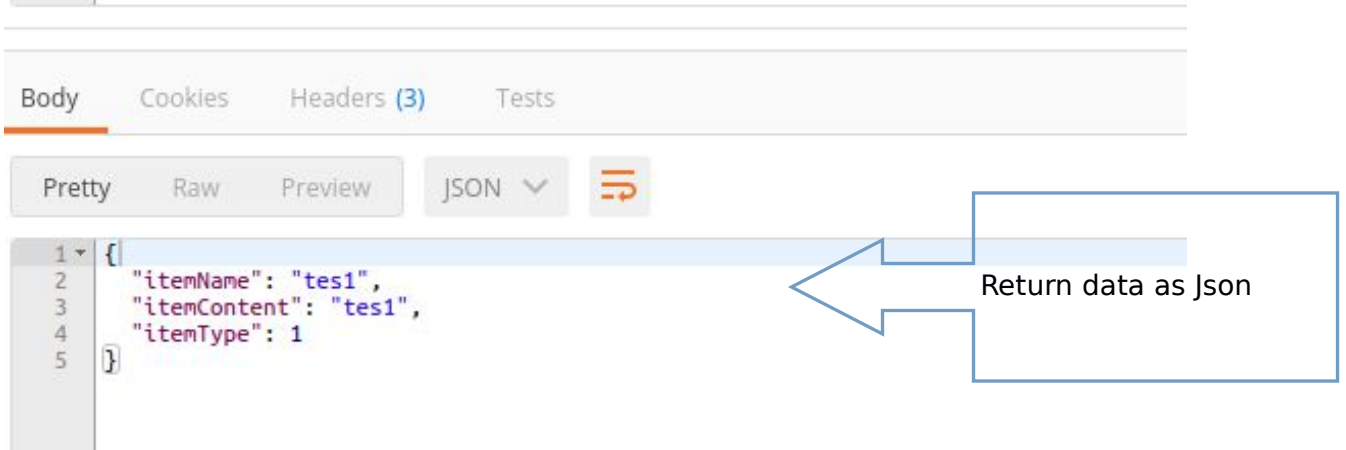
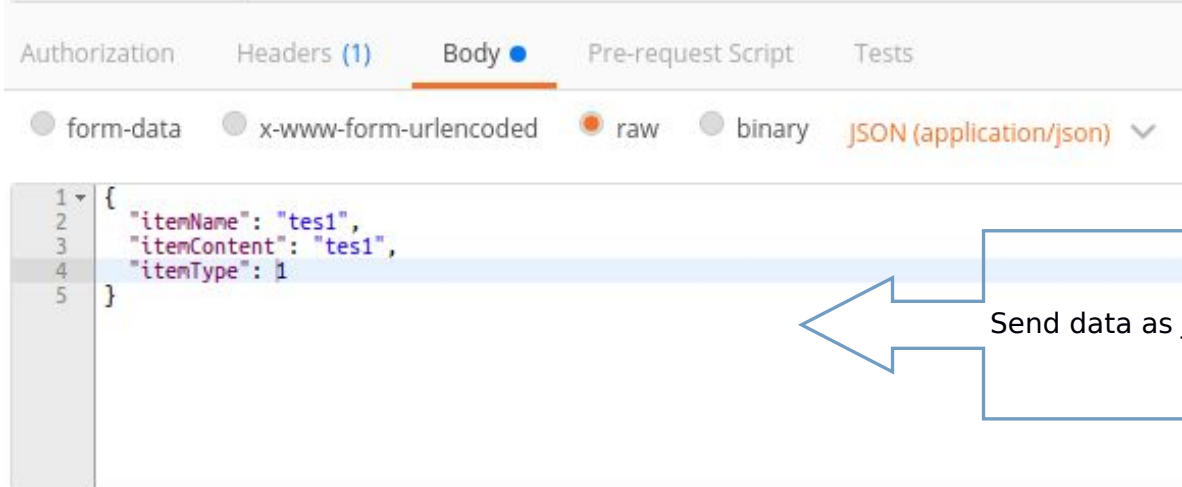
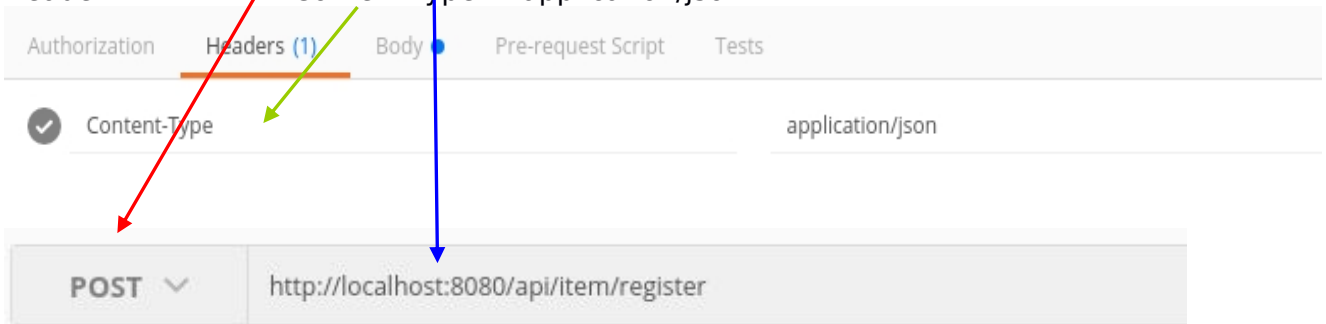
### 2. Testing

- a) Cek Data Structure
  - Url : "api/item/new"
  - Method : GET



b) Insert

Url : "api/item/register"  
Method : POST  
Header : 'Content-type' : 'application/json'



c) Read

Url : "api/item/retrieve/{item-name}"  
Method : GET

The screenshot shows a REST client interface. The top section displays the method **GET** and the URL `http://localhost:8080/api/item/retrieve/tes1`. Below this, the **Body** tab is selected, showing the response in **JSON** format. The response is a JSON object with the following structure:

```
{
  "itemName": "tes1",
  "itemContent": "tes1",
  "itemType": 1
}
```

A blue box with the text "Return data as Json" has an arrow pointing to the JSON response.

d) Delete

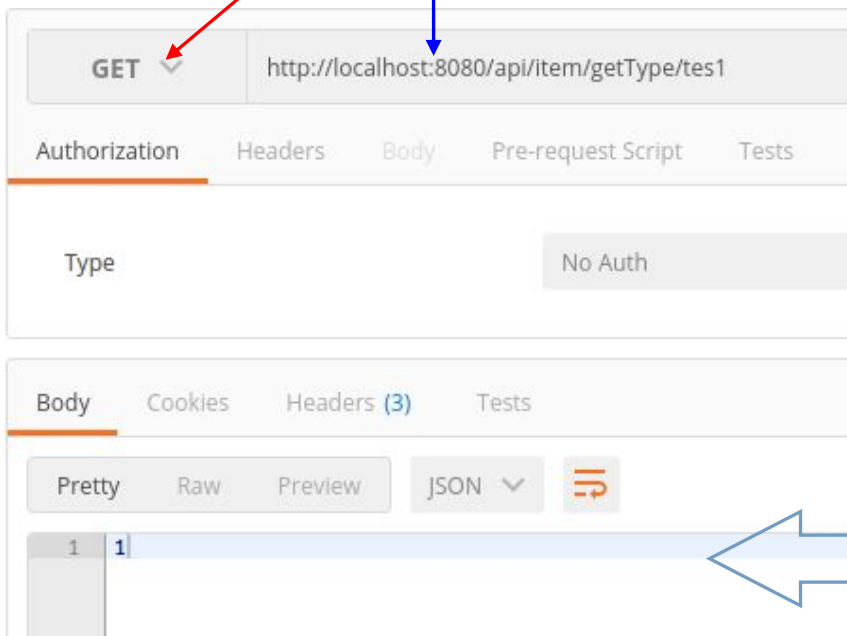
Url : "api/item/retrieve/{item-name}"  
Method : DELETE

The screenshot shows a REST client interface. The top section displays the method **DELETE** and the URL `http://localhost:8080/api/item/deregister/tes1`. Below this, the **Body** tab is selected, showing the response in **HTML** format. The response is a single line of text:

```
1
```

A blue box with the text "Success delete" has an arrow pointing to the response.

- e) GetType  
Url : "api/item/getType/{item-name}"  
Method : GET



- f) Conflict item-name already exist

