

Inventory Management Api

Version : 1.0.0

Base url will be the ip address of the system that the api is hosted on

- Categories:

- GET ALL : **/api/categories**

- This will retrieve all the categories

```
■ {  
■   'id':1,'name': 'Electronics' ,  
■   'id':2,'name':'Raw Materials'  
■ }
```

- GET BY ID : **/api/categories/1**

- This will retrieve a single category by id

- PATCH (UPDATE): **/api/categories/1**

- This will update the category given the id of the category

- POST (ADD): **/api/categories/**

- Sample Body :

```
{'name': 'Electronics'}
```

- This will add a new category , and if a category exists it will give 400 as response and 201 if it is added successfully.

- Items:

- GET ALL : **/api/items**

- This will retrieve all the items along with their tags and categories

- GET BY ID : **/api/items/1**

- This will retrieve a single items by id - 200
 - 404 if the items is not present

- PATCH (UPDATE): **/api/items/1**

- This will update the item given the id of the item - 200
 - 404 if the items is not present

- POST (ADD): **/api/items/add**

- Sample Body:

```
■ {  
■     'sku': '123',  
■     'name': 'Mobile',  
■     'category_id': 1,  
■     'stock': 10,  
■     'available_stock': 5,  
■     'tags': [1]  
■ }
```

- This will add a new item , and if an item exists with the same name it will give 400 as response and 201 if it is added successfully.
- ANALYTICS (GET) : **/api/items/analytics**
 - This will get the current category count and the current item count for showing the UI - 200
 - Sample Response Body :

```
{  
  "category_count" : 5,  
  "item_count" : 23  
}
```
- FILTER (GET) : **/api/items/filter**
 - This will filter the items given the query params like SKU ,name, in stock, available stock, category
 - Sample Filter Url:

```
/api/items/filter?category=1&istock=10&astock=204
```