Data access layer

business layer

Any client (Java, .NET, python, C++, Go, …)

Backend server application

Service (RESTful web app)

GET products/filter/{name}

GET products/all/sort/{choice}

GET products/{id}

POST products/add

PUT products/edit/{id}

DELETE products/remove/{id}

FilterProducts(string name)

GetSortedProducts(int choice)

GetProduct(int id)

AddProduct(product p)

ModifyProduct(int id, product p)

RemoveProduct(int id)

Getall()

Get(int id)

Insert(product p)

Update(int id, product p)

Delete(int id)

FilterByName(string name)

FetchAndSortAll(int choice)

Fetch(int id)

Add(product p)

Modify(int id, product p)

Remove(int id)