

BaseDB

```
-self:BaseDB
- _mongoClient:MongoClient
- _mongoServer:MongoServer
- _mongoDatabase:MongoDatabase

-BaseDB()
+GetInstance():BaseDB
+GetCollection<T>(dataBase:string, collection:string):IMongoCollection<T>
+GetInsertCollection<T>(dataBase:string, collection:string):MongoCollection<T>
```

Product

```
[BsonId]
+ID:ObjectId
+ProductName:string
+Infomation:string
+OwnerEmail:string
+Price:int
+Count:int
+Product_image:string
+Average_Score:double
```

<<呼叫API>>

ProductDB

```
- _BaseDB:BaseDB

+ProductDB()
+add_pro(item:String, info:String, email:String, price:int, count:int, image_path:String)
+find_item_is_exist(item:String, email:String):bool
+sell_product(email:String):int
+get_product(email:String):List<Product>
+get_allproduct():List<Product>
+get_picture(item:String, email:String):string
+update_product(email:String, pro_name:String, info:String, price:int, count:int, image:String)
+buy_product(email:String, pro_name:String, buy:int)
+delete_product(email:String, pro_name:String)
+search(search:,String, price_type:int):List<Product>
+set_score(email:String, pro_name:String, score:double)
```

<<資料格式>>