Type of Doubles

Real Hero ⟶ Actual Imp

Double ⟶ Mock

product

when ps.createProduct(product).thenReturn(...)

null

- Mock is a brainless component. It will just do whatever we supply.

- We can define independent behavior of Mocks in different tests.

Stub

→ create a product

→ get that same product which was created

→ update product

Can we do this on a single product using Mock.

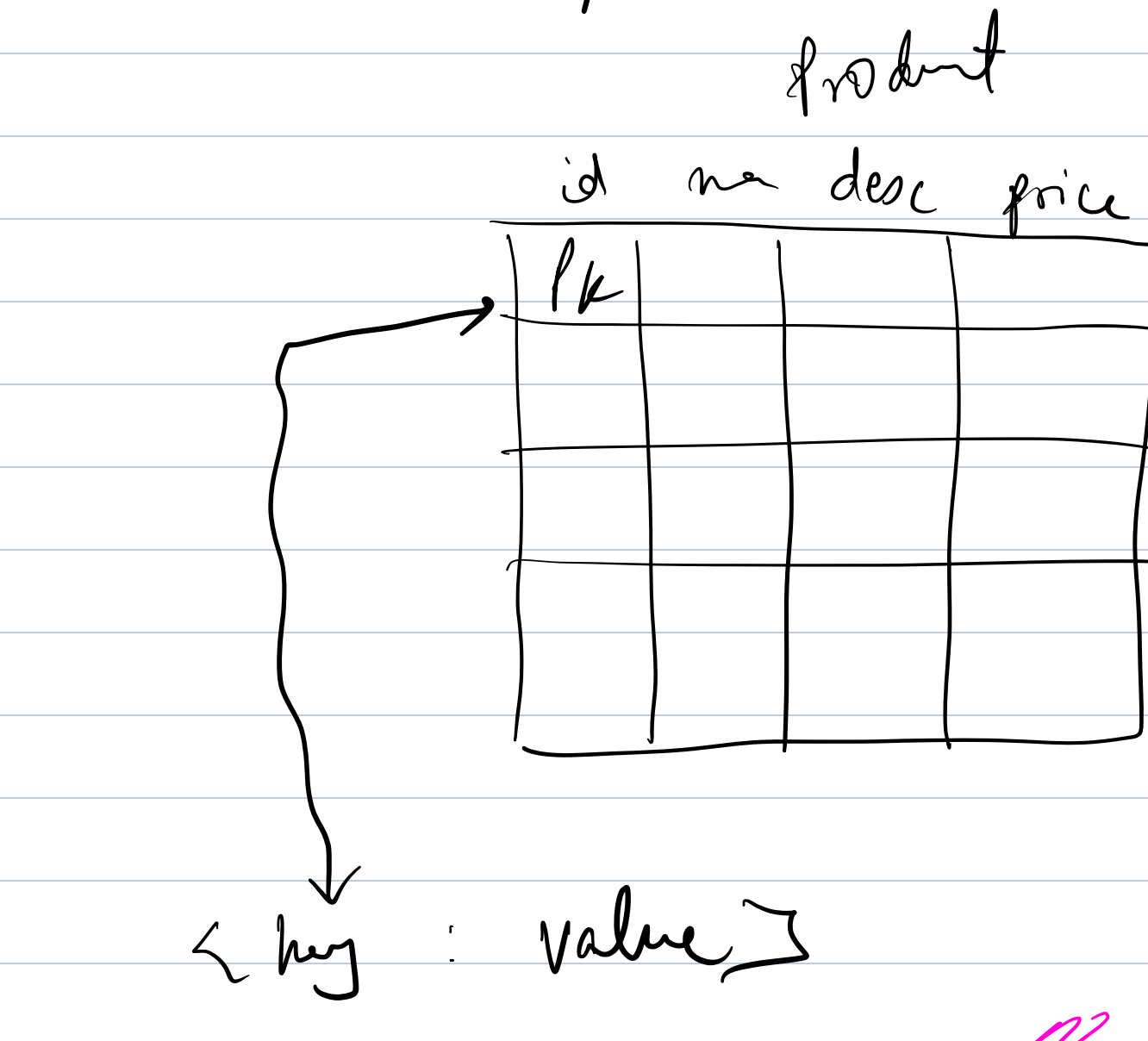
```
Product p = new Product();
p.setId(1L);
```

```
when(ps.createProduct(any Product)).
        then Return p;
```

```
when(ps.getProduct(1L)).then return p;
```

```
when(ps.updateProduct(1L, any(Product.class))
```

then return p;



✓ Product Controller Test { Mock }

→ Product Controller (Real)

Product Service (Mock)

Product Controller Stub Test

→ Product Controller

→ IProduct Service

@Primary
Product Service Stub implements IProduct Service {

Map<Int, Product>
db;

}

Con → Scope of Investigation has increased

Fake →

↳ Mini Version of a real Thing

100%.

Fake → 50%.

Db →

Dynamo Db

Cosmosdb

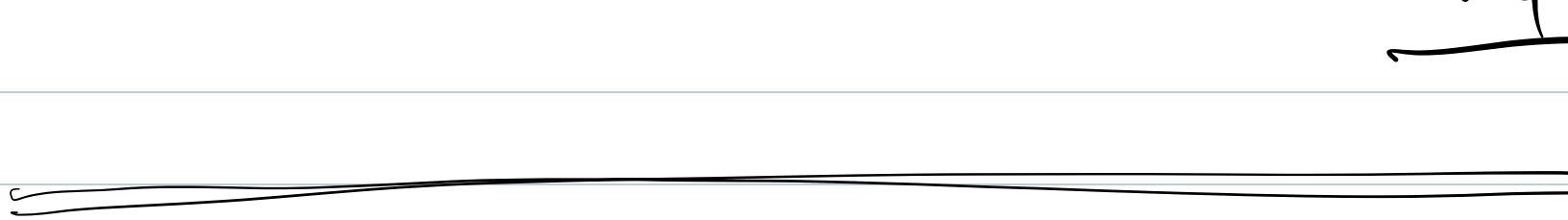
Persistence
or
CRUD

2013-2004 MS Excel
Access

Multi-threading
sharding
CRUD, Persistence
Scaling
Eff | Connection tools

Brilliance

Fake > Stub > Mock

Least used

Mostly used