

# 1 Xây dựng lớp Khách hàng

## 1.1 Lớp Khách hàng (KhachHang.py)

```
from pydantic import BaseModel
```

```
class khach_hang(BaseModel):
```

```
    ma_so : int
```

```
    ho_ten: str
```

```
    doanh_so: float
```

```
    active: bool
```

```
    email: str
```

## 1.2 File chính main.py

```
from fastapi import FastAPI
```

```
from KhachHang import khach_hang
```

```
import json
```

```
import os
```

```
app = FastAPI()
```

## 1.3 API get thông tin khách hàng

```
@app.get("/khachhang/{maso}", tags=["customers"])
```

```
def lay_khach_hang(maso):
```

```
    filename = f"./data/{maso}.json"
```

```
    if os.path.exists(filename):
```

```
        with open(filename, "r") as myfile:
```

```
            return {
```

```
                "success": True,
```

```
                "data": myfile.read()
```

```
}  
  
return {"success": False, "message": "Lỗi"}
```

## 1.4 API thêm thông tin khách hàng

```
@app.post("/khachhang", tags=["customers"])
```

```
def them_khach_hang(data : khach_hang):
```

```
    mydata = {  
  
        "ma_so": data.ma_so,  
  
        "ma_so": data.ma_so,  
  
        "active": data.active,  
  
        "doanh_so" : data.doanh_so,  
  
        "email": data.email  
    }
```

```
    jsonStr = json.dumps(mydata, indent=4)
```

```
    with open(f"./data/{data.ma_so}.json", "w") as file:
```

```
        file.write(jsonStr)
```

## 2 API upload file

```
from fastapi import FastAPI, File, UploadFile
```

```
from typing import List
```

```
import shutil
```

```
import os
```

```
UPLOAD_DIRECTORY = os.getcwd()
```

```
@app.post("/image", tags=["UploadFile"])
```

```
async def image(image: UploadFile = File(...)):

    with open(os.path.join(UPLOAD_DIRECTORY, "data", image.filename), "wb") as buffer:

        shutil.copyfileobj(image.file, buffer)

    return {"filename": image.filename}


@app.post("/images", tags=["UploadFile"])
async def images(images: List[UploadFile] = File(...)):

    for image in images:

        with open(os.path.join(UPLOAD_DIRECTORY, "data", image.filename), "wb") as buffer:

            shutil.copyfileobj(image.file, buffer)
```