

Source Code: AI Generated Report

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```
from fastapi import FastAPI, HTTPException

from fastapi.responses import JSONResponse

from fastapi.testclient import TestClient


app = FastAPI()


# Mock data

products_data = [

    {"name": "Laptop", "available": True},

    {"name": "Mouse", "available": False}

]


@app.get("/check-stock")

def check_stock():

    try:

        return {"products": products_data}

    except Exception as e:

        raise HTTPException(status_code=500, detail={"error": str(e)})


# Testing the endpoint

client = TestClient(app)


def test_check_stock():
```

```
response = client.get("/check-stock")

if response.status_code == 200:

    print(response.json())

else:

    print(f"Error: {response.status_code}, {response.json()}")


# Run the test

test_check_stock()
```