Thank you for providing the assessment and I really enjoyed the challenge. I utilized PyCharm as my integrated development environment (IDE) and Postman to test the API. I employed the CABIN database to perform the CRUD (Create, Read, Update, Delete) operations. Below, you'll find screenshots displaying the output for your reference.

**POST** <http://127.0.0.1:3001/cabin>

Input:

{

    "aircraft\_id": 800,

    "living\_areas": 4,

    "num\_panoramic\_windows": 16,

    "total\_interior\_length": 53.7

}

Output: {

    "message": "Cabin created successfully"

}

A screenshot of a computer

Description automatically generated

**Get** <http://127.0.0.1:3001/cabins>

Input: no need to pass parameters (since its used to get data)

Output:

A screenshot of a computer

Description automatically generated

**Put** <http://127.0.0.1:3001/cabin/1>  
Input: pass the id of the cabin to the endpoint you want to change and the new values you want to update.

{

    "aircraft\_id": 800,

    "living\_areas": 4,

    "num\_panoramic\_windows": 14,

    "total\_interior\_length": 60.7

}

Output:

{

    "message": "Cabin updated successfully"

}

A screenshot of a computer

Description automatically generated with medium confidence

**Delete** <http://127.0.0.1:3001/cabin/1>

Input: pass the cabin ID you want to delete to the endpoint

Output:

{

    "message": "Cabin deleted successfully"

}

A screenshot of a computer

Description automatically generated with medium confidence

After the deletion, cabins will be empty.   
A screenshot of a computer

Description automatically generated with medium confidence