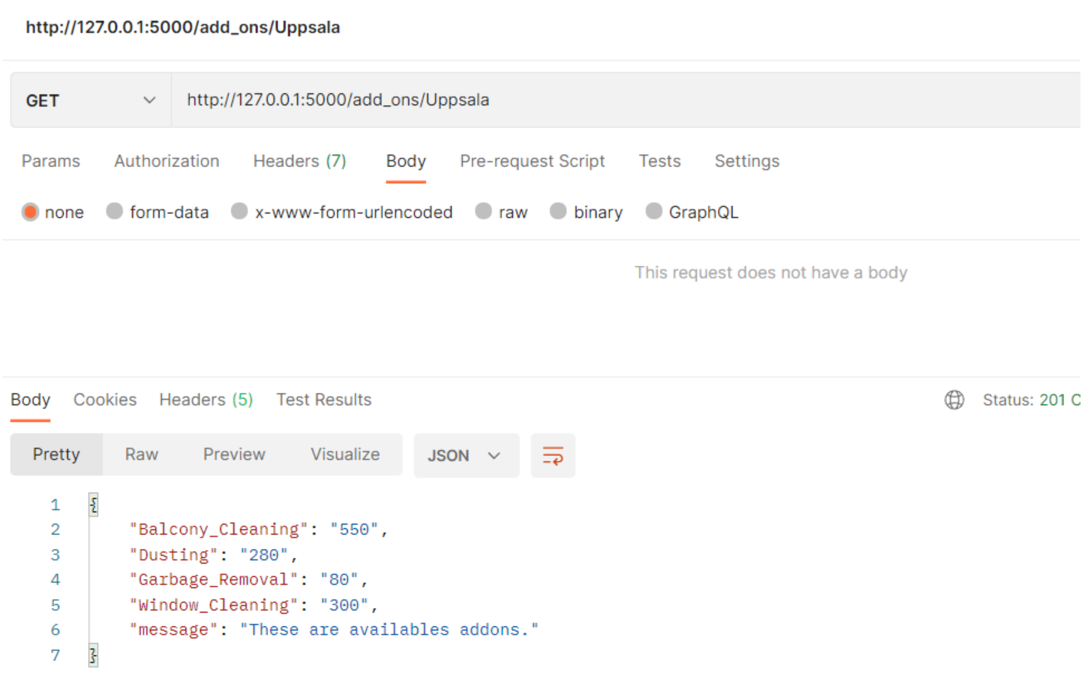
Cleaning Service

1) Here, this project uses Python programming language with virtual environment for creating API's.
2) Postman is used for API testing and verifying.
3) PostgreSQL database is used.
   Using Elephant SQL (https://www.elephantsql.com/) , PostgreSQL is implemented.
4) GitHub link for this project: [priyanka-garach/CleaningService (github.com)]()
5) Zip file also submitted through email.
6) Below are the commands needs to be executed in a sequence.

```
# Create virtual environment (write in terminal)
python -m venv ./venv

#Activate virtual environment
./venv/Scripts/activate

#Run requirements.txt
pip install -r requirements.txt

# Run file
python app.py
```

7) For output verification:-
   # Using Postman and GET
   http://127.0.0.1:5000/add_ons/Uppsala
   http://127.0.0.1:5000/add_ons/Stockholm

   Output:-



http://127.0.0.1:5000/add_ons/Uppsala

GET http://127.0.0.1:5000/add_ons/Uppsala

Body: none

This request does not have a body

Status: 201 C

```
{
    "Balcony_Cleaning": "550",
    "Dusting": "280",
    "Garbage_Removal": "80",
    "Window_Cleaning": "300",
    "message": "These are availables addons."
}
```

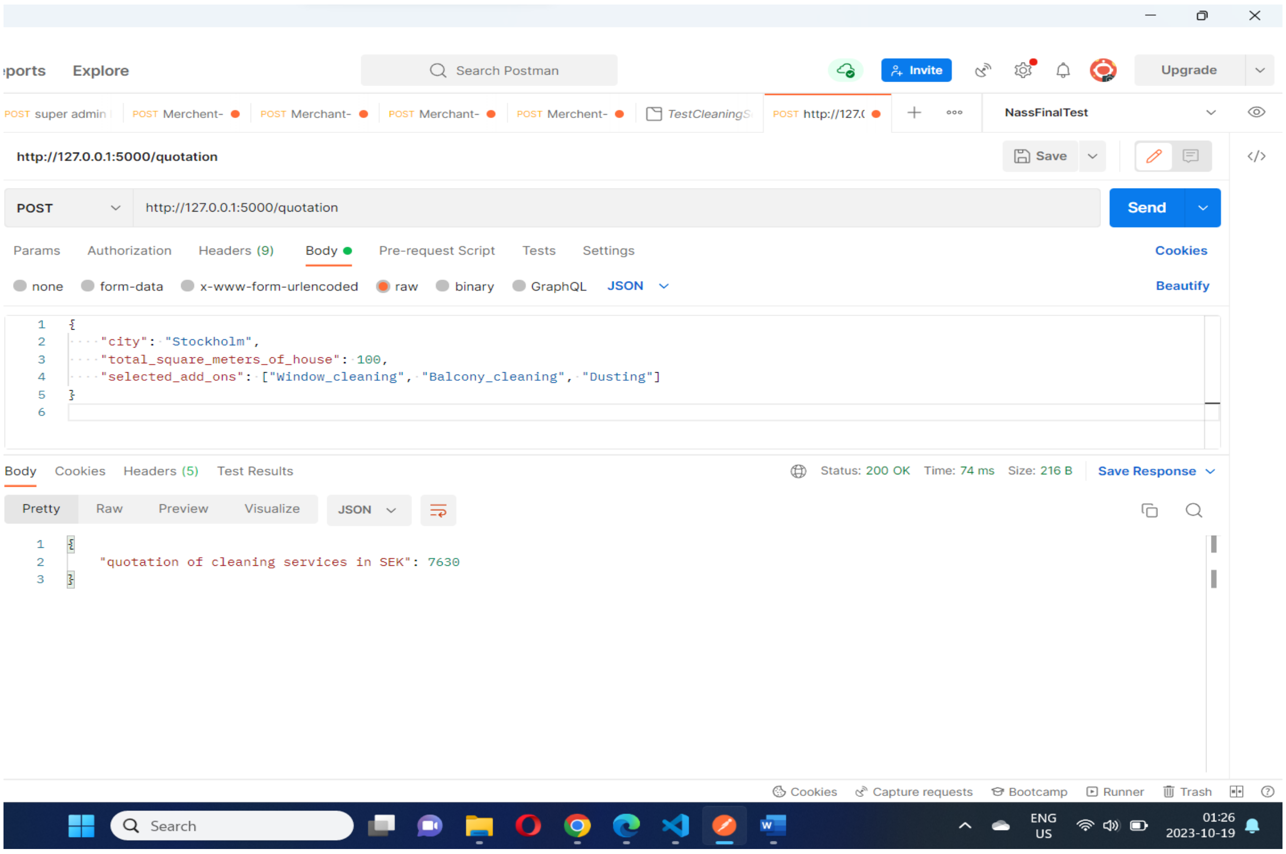
8) # Using Postman and POST execute with payload json

http://127.0.0.1:5000/quotation

Payload-1 (Json)

```
{
   "city": "Stockholm",
   "total_square_meters_of_house": 100,
   "selected_add_ons": ["Window_cleaning", "Balcony_cleaning", "Dusting"]
}
```

Output:-



http://127.0.0.1:5000/quotation

POST http://127.0.0.1:5000/quotation

```
{
    "city": "Stockholm",
    "total_square_meters_of_house": 100,
    "selected_add_ons": ["Window_cleaning", "Balcony_cleaning", "Dusting"]
}
```

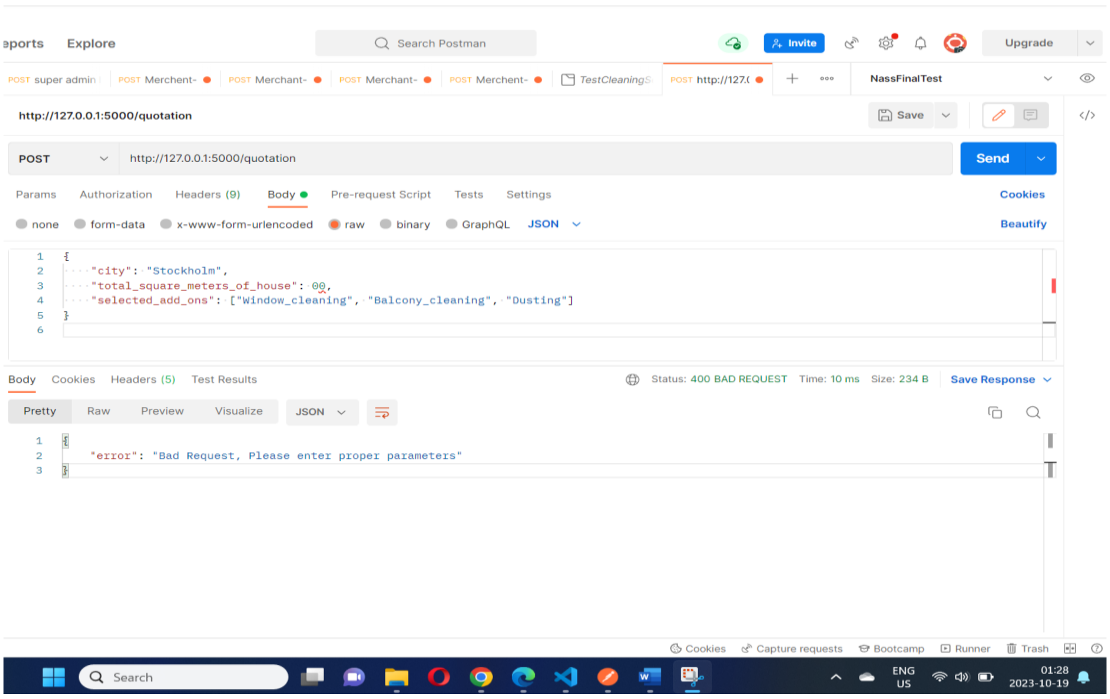
Status: 200 OK Time: 74 ms Size: 216 B

```
{
    "quotation of cleaning services in SEK": 7630
}
```

Payload-2 (Json)

```
{
   "city": "Stockholm",
   "total_square_meters_of_house": 00,
   "selected_add_ons": ["Window_cleaning", "Balcony_cleaning", "Dusting"]
}
```

Output:-



http://127.0.0.1:5000/quotation

POST http://127.0.0.1:5000/quotation

```
{
    "city": "Stockholm",
    "total_square_meters_of_house": 00,
    "selected_add_ons": ["Window_cleaning", "Balcony_cleaning", "Dusting"]
}
```

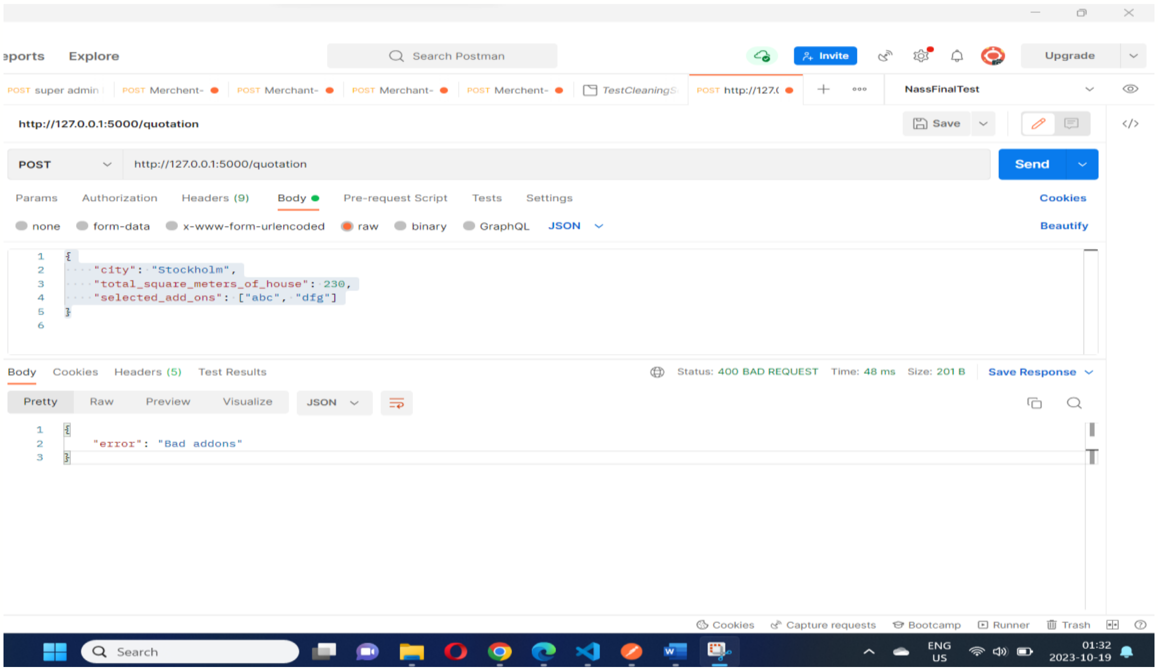
Status: 400 BAD REQUEST Time: 10 ms Size: 234 B

```
{
    "error": "Bad Request, Please enter proper parameters"
}
```

Payload-3 (Json)

```
{
    "city": "Stockholm",
    "total_square_meters_of_house": 230,
    "selected_add_ons": ["abc", "dfg"]
}
```

Output:-



http://127.0.0.1:5000/quotation

POST http://127.0.0.1:5000/quotation

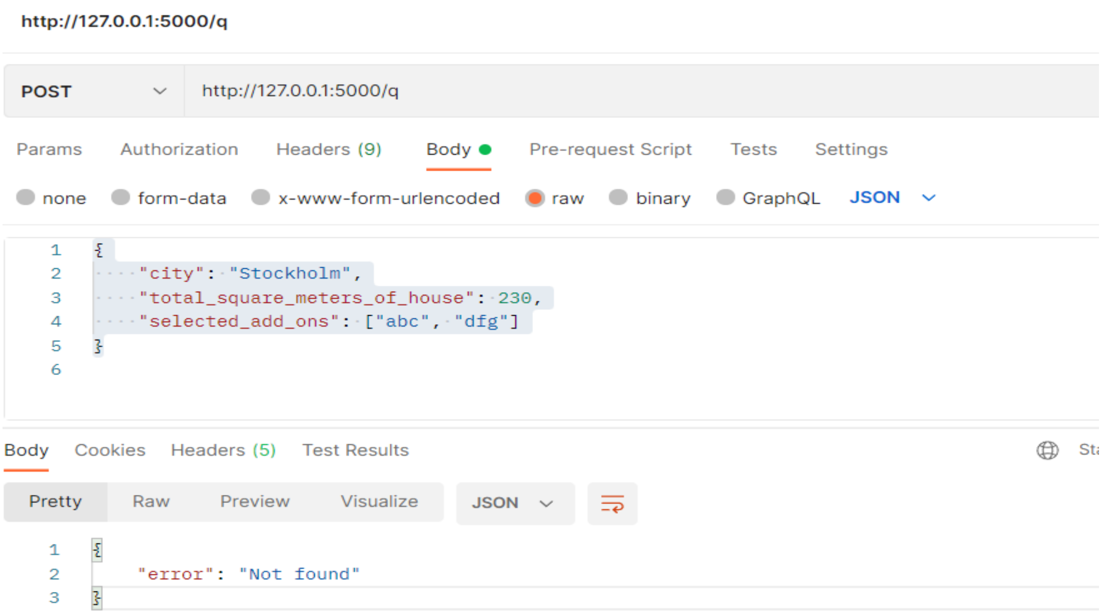
```
{
    "city": "Stockholm",
    "total_square_meters_of_house": 230,
    "selected_add_ons": ["abc", "dfg"]
}
```

Status: 400 BAD REQUEST Time: 48 ms Size: 201 B

```
{
    "error": "Bad addons"
}
```

9)
http://127.0.0.1:5000/q, 500 Internal Server Error

Output:-



http://127.0.0.1:5000/q

POST http://127.0.0.1:5000/q

Body — raw — JSON

```
{
    "city": "Stockholm",
    "total_square_meters_of_house": 230,
    "selected_add_ons": ["abc", "dfg"]
}
```

Body — Pretty — JSON

```
{
    "error": "Not found"
}
```