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# Request

gradio.Request(...)

## Description

A Gradio request object that can be used to access the request headers, cookies, query parameters and other information about the request from within the prediction function. The class is a thin wrapper around the `fastapi.Request` class. Attributes of this class include: `headers`, `client`, `query_params`, and `path_params`. If auth is enabled, the `username` attribute can be used to get the logged in user.

## Example Usage

```
import gradio as gr

def echo(text, request: gr.Request):
    if request:
        print("Request headers dictionary:", request.headers)
        print("IP address:", request.client.host)
        print("Query parameters:", dict(request.query_params))
    return text

io = gr.Interface(echo, "textbox", "textbox").launch()
```

## Initialization

Parameter

Description

request

A `fastapi.Request`

*fastapi.Request* | None

default: None

*str* | *None***default:** None

## Demos

### request\_ip\_headers

```
import gradio as gr
```

```
def predict(text, request: gr.Request):  
    headers = request.headers  
    host = request.client.host  
    user_agent = request.headers["user-agent"]  
    return {  
        "ip": host,  
        "user_agent": user_agent,  
        "headers": headers,  
    }
```

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