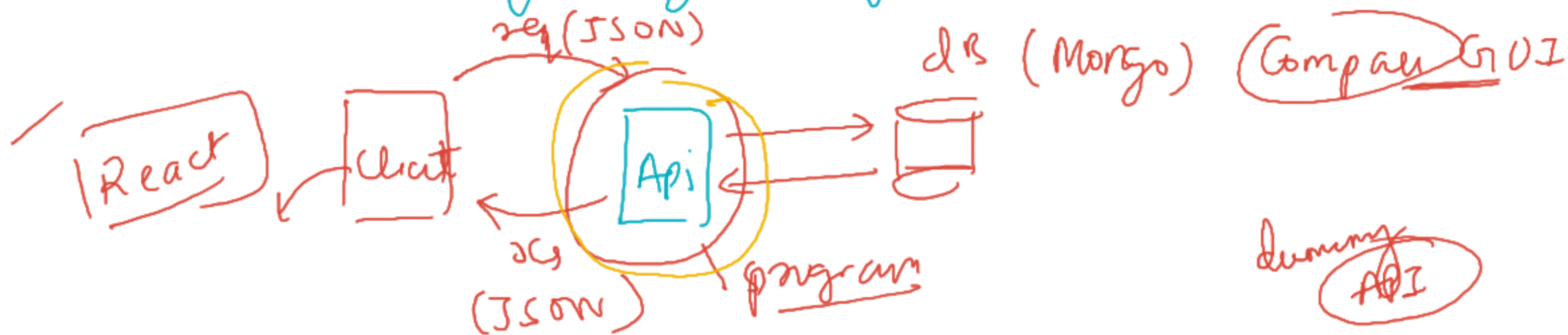


Backend Development

Backend : Nodejs | Java | Python | C# | go | ang | Ruby | PHP.
↓ ↓ ↓ ↓ ↓
framework : Express.js | Spring | Django | Dotnet | Ruby on Rails | Laravel

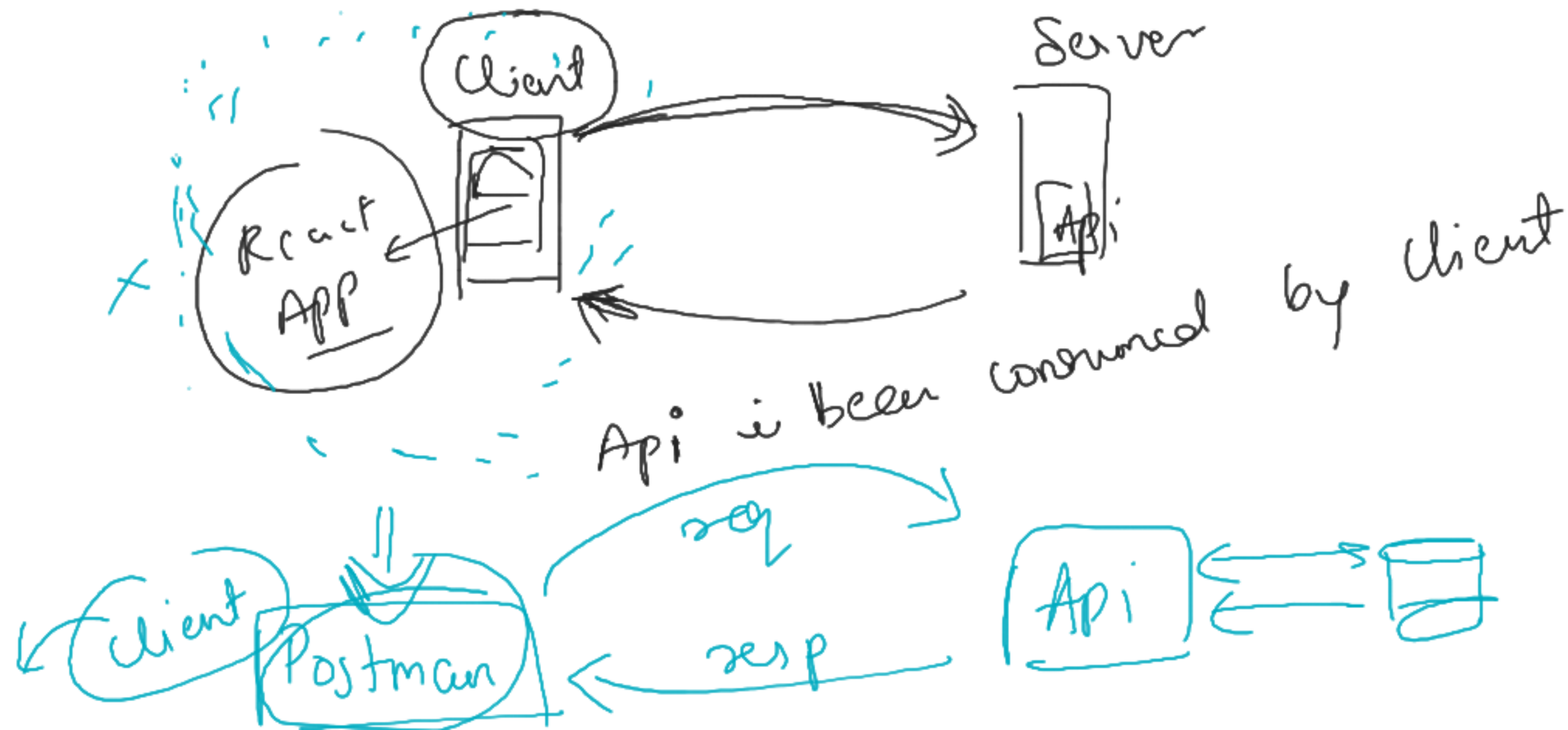
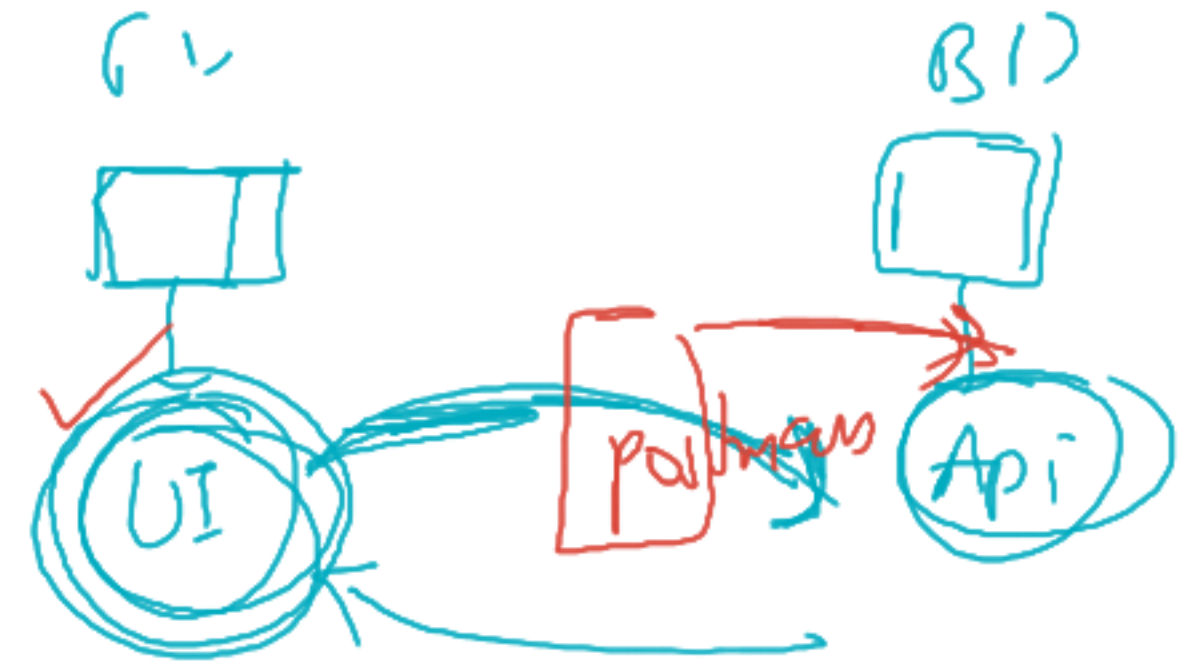
API → Application Programming Interface (wainter)



API Testing Software

① Postman

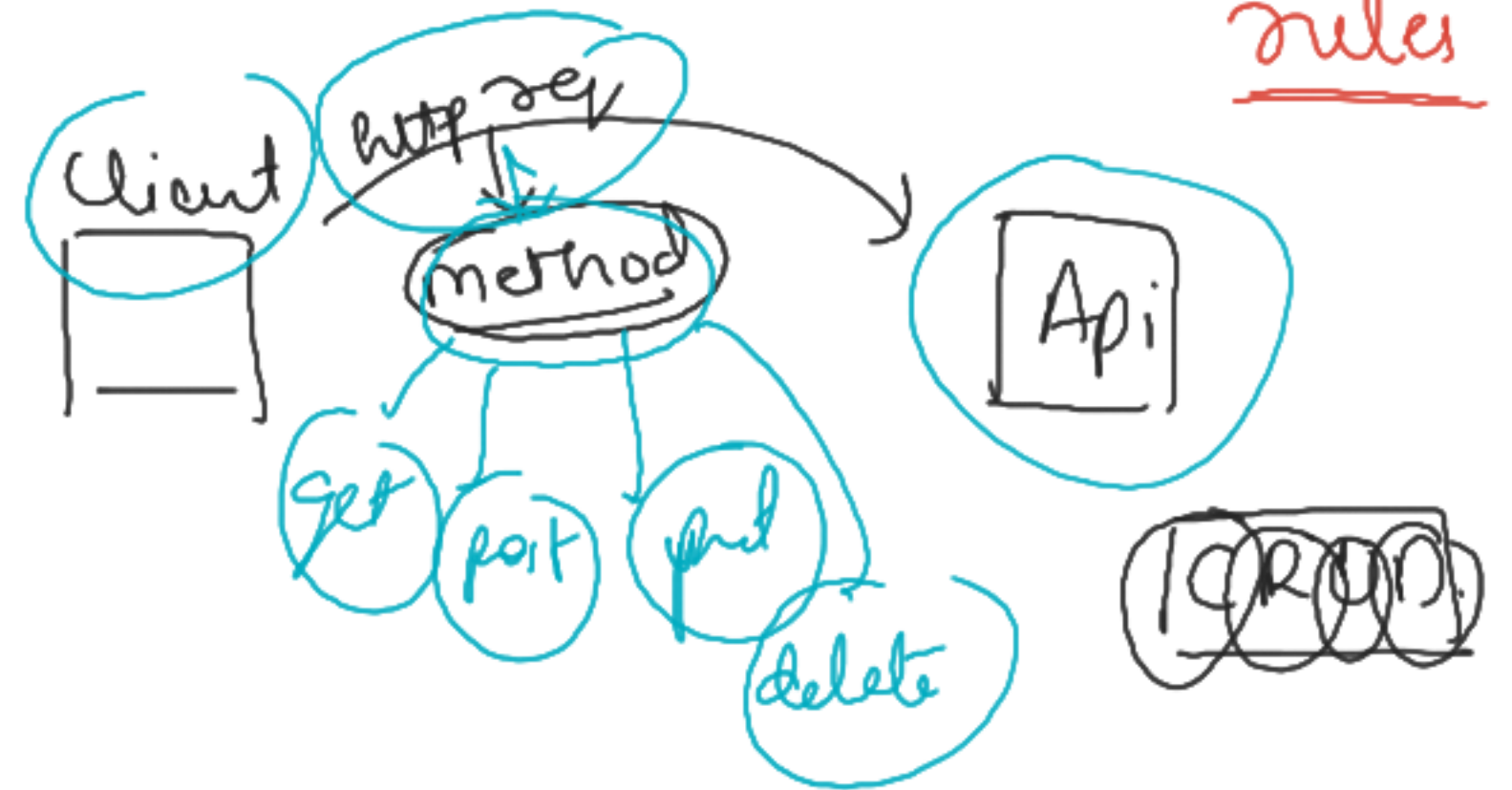
② Extension VS Code Thunder Client.



Understanding Basics of Https → security (hypertext transfer protocol) ↓ rules

Types of methods in Http Req

- ① GET → read some data
- ② POST → add some data
- ③ PUT — update
- ④ DELETE — delete
- ⑤ PATCH — update



Request header

```
GET /home.html HTTP/1.1
Host: developer.mozilla.org
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.9; rv:50.0) Gecko/20100101 Firefox/50.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate, br
Referer: https://developer.mozilla.org/testpage.html
Connection: keep-alive
Upgrade-Insecure-Requests: 1
If-Modified-Since: Mon, 18 Jul 2016 02:36:04 GMT
If-None-Match: "c561c68d0ba92bbeb0b0ffff2a9199f722e3a621a"
Cache-Control: max-age=0
```

- method ✓
- path (uri) ✓
- Accept ✓
- Accept-language
- Accept-encoding

Response header

Status Code

```
200 OK
Access-Control-Allow-Origin: *
Connection: Keep-Alive
Content-Encoding: gzip
Content-Type: text/html; charset=utf-8
Date: Mon, 18 Jul 2016 16:06:00 GMT
Etag: "c561c68d0ba92bbeb0b0f612a9199f722e3a621a"
Keep-Alive: timeout=5, max=997
Last-Modified: Mon, 18 Jul 2016 02:36:04 GMT
Server: Apache
Set-Cookie: mykey=myvalue; expires=Mon, 17-Jul-2017 16:06:00 GMT; Max-Age=31449600; Path=/; secure
Transfer-Encoding: chunked
Vary: Cookie, Accept-Encoding
X-Backend-Server: developer2.webapp.scl3.mozilla.com
X-Cache-Info: not cacheable; meta data too large
X-kuma-revision: 1085259
x-frame-options: DENY
```

- Status Code
- Content type
- Date
- Cookie

Node JS

First Nodejs Application

npm init

What is endpoint / path

