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| **Duas Camadas** – 1ª Camada Servidor e 2ª Camada cada terminal com comunicação entre 1ª e 2ª camada é direta (O Cliente – Terminal – acessa direto o Banco de Dados)  Três Camadas - 1ª Camada Servidor , 2ª camada servidor de aplicação e 3ª Camada cada terminal onde a 3ª camada não tem acesso ao banco de dados, somente ao servidor de aplicação que contem a regra de negocio e ele sim ira acessar o Servidor de Banco. | **Planejamento**: evita a criação de EndPoints Desnecessarios  **Documentação** : necessário para que outras pessoas saibam e utilizem as API’s criadas  **Status Code** : necessário para que o usuario saiba o que esta acontecendo com a API.  **Performance** : muito necessário pois a API talvez tenha muito acesso simultâneo  **EndPoints**: utilizar verbo HTTP para indicar o que se quer fazer no endPoints. |
| Swagger – programa utilizado para gerar documentacao | |
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Anexo

**HTTP Status Codes**

httpstatuses.com is an easy to reference database of HTTP Status Codes with their definitions and helpful code references all in one place. Visit an individual status code via httpstatuses.com/code or browse the list below.

* **1×× Informational**
* [100 Continue](https://httpstatuses.com/100)
* [101 Switching Protocols](https://httpstatuses.com/101)
* [102 Processing](https://httpstatuses.com/102)
* **2×× Success**
* [200 OK](https://httpstatuses.com/200)
* [201 Created](https://httpstatuses.com/201)
* [202 Accepted](https://httpstatuses.com/202)
* [203 Non-authoritative Information](https://httpstatuses.com/203)
* [204 No Content](https://httpstatuses.com/204)
* [205 Reset Content](https://httpstatuses.com/205)
* [206 Partial Content](https://httpstatuses.com/206)
* [207 Multi-Status](https://httpstatuses.com/207)
* [208 Already Reported](https://httpstatuses.com/208)
* [226 IM Used](https://httpstatuses.com/226)
* **3×× Redirection**
* [300 Multiple Choices](https://httpstatuses.com/300)
* [301 Moved Permanently](https://httpstatuses.com/301)
* [302 Found](https://httpstatuses.com/302)
* [303 See Other](https://httpstatuses.com/303)
* [304 Not Modified](https://httpstatuses.com/304)
* [305 Use Proxy](https://httpstatuses.com/305)
* [307 Temporary Redirect](https://httpstatuses.com/307)
* [308 Permanent Redirect](https://httpstatuses.com/308)
* **4×× Client Error**
* [400 Bad Request](https://httpstatuses.com/400)
* [401 Unauthorized](https://httpstatuses.com/401)
* [402 Payment Required](https://httpstatuses.com/402)
* [403 Forbidden](https://httpstatuses.com/403)
* [404 Not Found](https://httpstatuses.com/404)
* [405 Method Not Allowed](https://httpstatuses.com/405)
* [406 Not Acceptable](https://httpstatuses.com/406)
* [407 Proxy Authentication Required](https://httpstatuses.com/407)
* [408 Request Timeout](https://httpstatuses.com/408)
* [409 Conflict](https://httpstatuses.com/409)
* [410 Gone](https://httpstatuses.com/410)
* [411 Length Required](https://httpstatuses.com/411)
* [412 Precondition Failed](https://httpstatuses.com/412)
* [413 Payload Too Large](https://httpstatuses.com/413)
* [414 Request-URI Too Long](https://httpstatuses.com/414)
* [415 Unsupported Media Type](https://httpstatuses.com/415)
* [416 Requested Range Not Satisfiable](https://httpstatuses.com/416)
* [417 Expectation Failed](https://httpstatuses.com/417)
* [418 I'm a teapot](https://httpstatuses.com/418)
* [421 Misdirected Request](https://httpstatuses.com/421)
* [422 Unprocessable Entity](https://httpstatuses.com/422)
* [423 Locked](https://httpstatuses.com/423)
* [424 Failed Dependency](https://httpstatuses.com/424)
* [426 Upgrade Required](https://httpstatuses.com/426)
* [428 Precondition Required](https://httpstatuses.com/428)
* [429 Too Many Requests](https://httpstatuses.com/429)
* [431 Request Header Fields Too Large](https://httpstatuses.com/431)
* [444 Connection Closed Without Response](https://httpstatuses.com/444)
* [451 Unavailable For Legal Reasons](https://httpstatuses.com/451)
* [499 Client Closed Request](https://httpstatuses.com/499)
* **5×× Server Error**
* [500 Internal Server Error](https://httpstatuses.com/500)
* [501 Not Implemented](https://httpstatuses.com/501)
* [502 Bad Gateway](https://httpstatuses.com/502)
* [503 Service Unavailable](https://httpstatuses.com/503)
* [504 Gateway Timeout](https://httpstatuses.com/504)
* [505 HTTP Version Not Supported](https://httpstatuses.com/505)
* [506 Variant Also Negotiates](https://httpstatuses.com/506)
* [507 Insufficient Storage](https://httpstatuses.com/507)
* [508 Loop Detected](https://httpstatuses.com/508)
* [510 Not Extended](https://httpstatuses.com/510)
* [511 Network Authentication Required](https://httpstatuses.com/511)
* [599 Network Connect Timeout Error](https://httpstatuses.com/599)

**Cabeçalhos HTTP**

<https://developer.mozilla.org/pt-BR/docs/Web/HTTP/Headers>

Os cabeçalhos HTTP permitem que o cliente e o servidor passem informações adicionais com a solicitação ou a resposta HTTP. Um cabeçalho de solicitação é composto por seu nome *case-insensitive* (não diferencia letras maiúsculas e minúsculas), seguido por dois pontos ':' e pelo seu valor (sem quebras de linha).  Espaços em branco antes do valor serão ignorados.

Cabeçalhos proprietários personalizados podem ser adicionados usando o prefixo 'X-', mas essa convenção foi descontinuada em Junho de 2012, devido aos inconvenientes que causou quando os campos não-padronizados tornaram-se padronizados na [RFC 6648](https://tools.ietf.org/html/rfc6648); outros estão listados em um [registro IANA](http://www.iana.org/assignments/message-headers/perm-headers.html), cujo o conteúdo original foi definido na [RFC 4229](http://tools.ietf.org/html/rfc4229). O IANA também mantém o [registro das propostas de novas mensagens de cabeçalhos HTTP](http://www.iana.org/assignments/message-headers/prov-headers.html).

Cabeçalhos podem ser classificados de acordo com os seus contextos:

* [Cabeçalho genérico](https://developer.mozilla.org/pt-BR/docs/Glossario/General_header): Cabeçalhos que podem ser usados tanto em solicitações quanto em respostas, porém sem relação com os dados eventualmente transmitidos no corpo da mensagem.
* [Cabeçalho de solicitação](https://developer.mozilla.org/pt-BR/docs/Glossario/Request_header): Cabeçalhos contendo mais informação sobre o recurso a ser obtido ou sobre o próprio cliente.
* [Cabeçalho de resposta](https://developer.mozilla.org/en-US/docs/Glossary/Response_header): Cabeçalhos contendo informação adicional sobre a solicitação, como a sua localização ou sobre o servidor.
* [Cabeçalho de entidade](https://developer.mozilla.org/pt-BR/docs/Glossario/Entity_header): Cabeçalhos contendo mais informação sobre o conteúdo da entidade, como o tamanho do conteúdo ou o seu *MIME-type*.