**Message Headers**

**General header fields**

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| --- | --- |
| Cache-control | It specifies directives that is to be obeyed by caching mechanism |
| Connection | It allows the sender to specify |
| Pragma | It is used to include implementation – specifically directives |
| Date | It represents the date and time at which message was originated |
| Trailer | It indicates the given set of header fields that is present |
| Transfer-encoding | It indicates what type of transformation has been applied to the message body |
| Upgrade | It allows the client to specify what additional communication protocol it supports |
| Via | It is used by gateways and proxies to indicate the intermediate protocols. |
| Warning | It is used to carry additional information about the status |

**Request header fields**

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| --- | --- |
| Accept | It is used to specify certain media types |
| Accept-charset | It is used to indicate what character sets are acceptable |
| Accept-encoding | It is similar to accept but restricts the content-codings |
| Accept-language | It is similar to accept but restricts the set of natural languages |
| Authorization | It consists of credentials that contains the authentication information |
| Expect | It is used to indicate the particular server behaviors that are required by the client |
| From | It should contain an email address for the client to control the requesting client agent. |
| Host | It specifies the internet host and port number |
| If-match | It is used with a method to make it conditional |
| If-modified-since | It is used with a method to make it conditional. Request has not been modified |
| If-none-match | It allows efficient updates of the cached information |

**Response Header Fields**

|  |  |
| --- | --- |
| Accept-Range | It allows the server to indicate its acceptance of range requests for a resource |
| Age | It conveys the sender’s estimate of the amount of time |
| E-tag | It provides the current value of the entity tag for the request variant |
| Location | It is used to redirect the recipient to a location other than the request-url |
| Retry after | It indicates how long the service is expected to be unavailable to the requesting client |
| Server | It contains information about the software that is used by the server to handle request |
| Vary | It directs the user agent about the criteria that were used to select for representation |

**Entity header fields**

|  |  |
| --- | --- |
| Allow | It lists the set of methods that supports the resource to be identified by the request URL |
| Content encoding | It is used as a modifier to the media type |
| Content language | It describes the natural language |
| Content length | It indicates the size of the entity body |
| Content location | It is used to supply the resource location of the entity |
| Content-range | It is sent with the partial entity body to specify where the entity is to be applied |
| Content type | It indicates the media type of the entity body that is to be sent |
| Expires | It gives the date and time then after, the response is considered state |