HTTP Methods/RESTful Service

| HTTP Verb | Entire Collection (e.g. /customers) | Specific Item (e.g. /customers/{id}) |
| --- | --- | --- |
| GET | 200 (OK), list of customers. Use pagination, sorting and filtering to navigate big lists. | 200 (OK), single customer. 404 (Not Found), if ID not found or invalid. |
| PUT | 404 (Not Found), unless you want to update/replace every resource in the entire collection. | 200 (OK) or 204 (No Content). 404 (Not Found), if ID not found or invalid. |
| POST | 201 (Created), 'Location' header with link to /customers/{id} containing new ID. | 404 (Not Found). |
| DELETE | 404 (Not Found), unless you want to delete the whole collection—not often desirable. | 200 (OK). 404 (Not Found), if ID not found or invalid. |

# Understand URL

* **http://google.com:8080/search?term=hello#results**
* Scheme – Domain – Port – Path – Query String - Fragment
  + ?
  + Signifies the change between address and query terms

# Working Example

Using “im-only-resting” program

Delete -> DELETE/todos/1

Read -> GET/todos/5

POST -> todo/?title=Dave&due=10-10-2014

Passing parameters

% = space

+ = space

= = numbers and letters

? = start of query string

http://lacedeamon.spartaglobal.com/todos