1. Used to uniquely identify a resource over the web. URL has the following syntax: protocol://hostname:port/path-and-file-name

There are 4 parts in a URL:

1. Protocol
2. Hostname
3. Port
4. Path-and-file-name

A resource could be an actual file (html, image, video) on the server or data documents like (xml, json).

1. Request Methods

GET: Used for retrieving a web resource.

POST: Used for creating/posting new data up to the web server.

PUT: Used for updating a resource on the server.

DELETE: Used for deleting a resource on the server.

OPTIONS: Used for getting all methods accepted by server.

3. Response Status Code

The first line of the response message contains the response status code.

The status code is a 3-digit number:

1xx (Informational): Request received, server is continuing the process.

2xx (Success): The request was successfully received, understood, accepted and serviced.

3xx (Redirection): Further action must be taken in order to complete the request.

4xx (Client Error): The request contains bad syntax or cannot be understood.

5xx (Server Error): The server failed to fulfill an apparently valid request.

4.