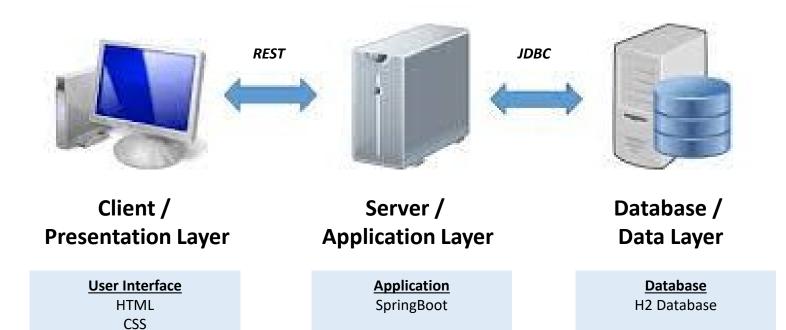
REST API

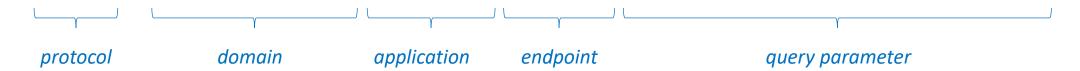
3 Tier Architecture

Java Script



REST URL Structure

https://example.com/empapp/search?region=USA&sort=join-date



A REST API defines a set of functions which application developers can submit Request and receive Response via HTTP protocol

REST API: Access a Resource over Web

http://example.com/home.html Web Server My Browser I'd like to see the Home page Locate the requested home.html resource and return it Here is the Home page html

REST API: Access a Resource over Web

http://example.com/home.html My Browser Web Server **REQUEST** /home.html GET Locate the requested home.html resource and return it **RESPONSE** HTTP 200

REST API: Access a Resource over Web

http://example.com/empapp/search?empid=1 Web Server My Browser **REQUEST** GET /search Locate the requested **Employee** resource and return it **JSON RESPONSE** HTTP 200

HTTP Request Methods

GET	The GET method requests a representation of the specified resource. Requests using GET should only retrieve data.
POST	The POST method is used to submit an entity to the specified resource, often causing a change in state or side effects on the server.
PUT	The PUT method replaces all current representations of the target resource with the request payload.
DELETE	The DELETE method deletes the specified resource.

Reference: https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods

HTTP Response Codes

200	Success
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Reference: https://developer.mozilla.org/en-US/docs/Web/HTTP/Status