

# REST level 2, HTTP protocol, CORS Programming

## REST level 2

*Exercise 1.* Implement the quote api in REST 2 style.

*Exercise 2.* Make a level 2 REST style API to integrate with this kanban board: <https://gojs.net/latest/samples/kanban.html>. That means that instead of a textarea you should make calls to your API when the user clicks load, and save. Use this code for that:

```
function callApi(method, url, arg) {
  let xhttp = new XMLHttpRequest();
  xhttp.open(method, url, false);
  xhttp.setRequestHeader("Accept", "application/json");
  xhttp.setRequestHeader("Content-type",
    "application/json");
  xhttp.send(arg);
  if (xhttp.readyState == 4 && xhttp.status == 200 &&
    xhttp.responseText) {
    return JSON.parse(xhttp.responseText);
  } else {
    return null;
  }
}

function save() {
  let json = myDiagram.model.toJson();
  callApi("post", "http://localhost:3000/kanban", json);
  myDiagram.isModified = false;
}

function load() {
  let json = callApi("get",
    "http://localhost:3000/kanban", null);
  myDiagram.model = go.Model.fromJson(json);
  myDiagram.delayInitialization(relayoutDiagram);
}
```

*Exercise 3.* Extend the kanban app so it saves the data in a file (on the server). Use <https://nodejs.org/api/fs.html> for this.