

Internet Oriented Systems

University of Parma - A.Y. 2020-2021



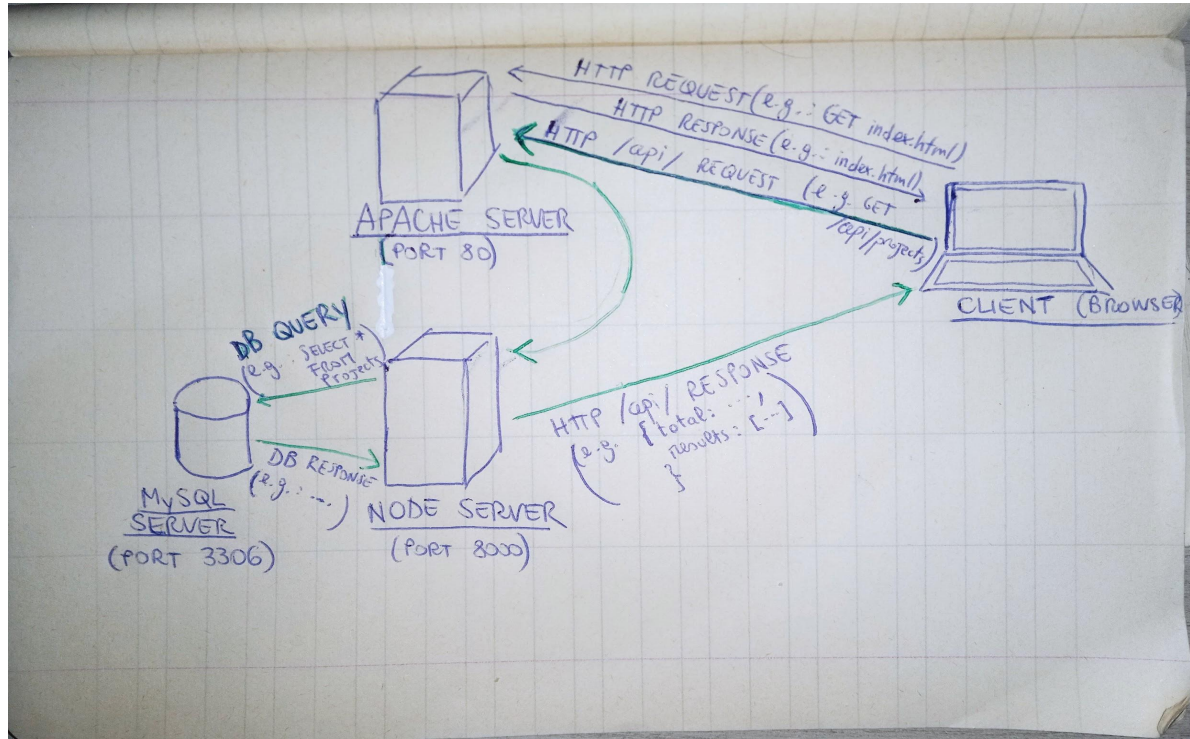
Collaborative Data Curation Platform

Architectural design and implementation technologies

Giuseppe La Gualano [giuseppe.laqualano@studenti.unipr.it]

Francesco Vetere [francesco.vetere@studenti.unipr.it]

Architectural design



Single Page Application

- Client performs just one requests to the Apache server for all the static contents, at the very beginning (index.html, JS/CSS files, images).
- Client has now its own state and logic, needed in order to display contents on screen: in particular, no other static resource is required from the Apache server.
- All the other requests will be /api/ requests, needed in order to perform CRUD operations on entities like Users, Projects and so on. These requests will be performed as AJAX calls: form submits will not cause any page reloading!

Technologies



Frontend

- HTML5
- CSS3 and Bootstrap
- JavaScript and JQuery

Backend

- Node.js
- Express.js
- MySQL
- promise-mysql.js (async/await 😊)



Software implementation

Frontend

- index.html
- custom.css
- application_logic.js, <xyz>_page.js, cookies.js

Backend

- server.js
- options.js
- routes.js
- DBManager.js