This represents a small web app illustrating microfrontends and microservices.

Technologies used are PHP and Vue. Those are dockerized and the requests from the frontend are sent to the gateway, which redirects the call to the appropriate microservice (vue1).

Also, I tried to implement Module Federation using Webpack and to implement 'vue2' project as a remote component, but as you can see in the printscreen below, the module did not want to install at all. I searched on every possible website for a solution, but no luck at this moment on this PC.

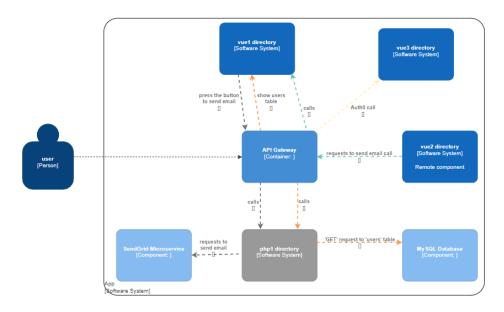
```
Administrator Command Prompt

C: Viamppy htdocs:project-soa\vue1pmp install --save-dev https://github.com/webpack/webpack/meduale-federation-plugin npm 1881 tools | npm 1881 to
```

Architecture: User enters the webpage at localhost:8080. This acts as the shell for the microfrontend: contains a Login component defined in the same module and uses a Remote component as well, importing it using Webpack Module Federation. The requests from the frontend are send to the gateway, which redirects the call to the appropriate microservice.

I used a cloud-based solution processes, SendGrid, as a 3rd party for emailing and MySQL as database for PHP usages, also Auth0 for authentication process.

System Diagram



Run 'npm run serve' in each vue folder for app to run.