askmeanything

Software as a Service

What is **ask**me**anything?**

Simply a Q&A web application!

Why is it worth presenting?

Because it complies with the SaaS model, i.e.,:

1. No installation on any client machine
2. Runs on the cloud (server(s))
3. Accessed via browser and/or mobile (client(s))
4. Performs as needed
5. Satisfies availability, security, privacy, etc. requirements

Why did we implement it?

It was our semester project for the SaaS course at NTUA. And by our I mean, we were a team; special thanks to Nefeli Myropoulou for the perfect collaboration.

A quick look on the main page confirms it does what it promises to do

askmeanything

Home   My Profile   Browse Questions & Answers   New Question   Logout

Welcome to **askmeanything** thanpap!

A place to ask and answer questions freely. Discuss, learn and bloom along with people from all over the world. 🌍

My askmeanything

View the questions you've made and the answers you have given, as well as **statistics** and **general information** about your **account**.

Browse questions & answers

Browse the existing questions and answers and apply **searching filters** to find exactly what interests you. **Answer questions** to add your piece to this knowledge puzzle!

Make a new question

Don't be shy to make your own question! Try to pose your questions in a **simple** and **clear way** and don't forget to add the necessary **keywords**.
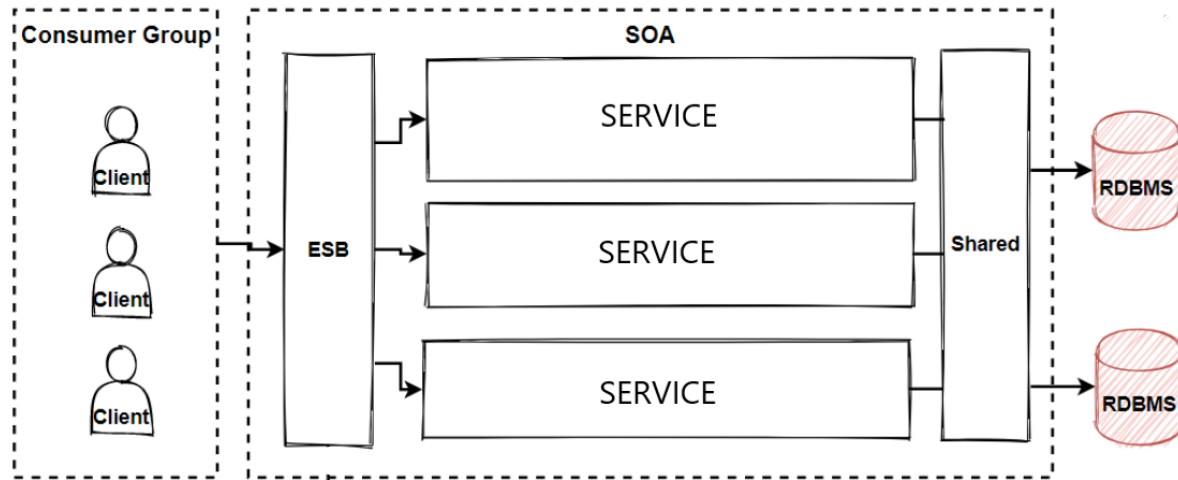
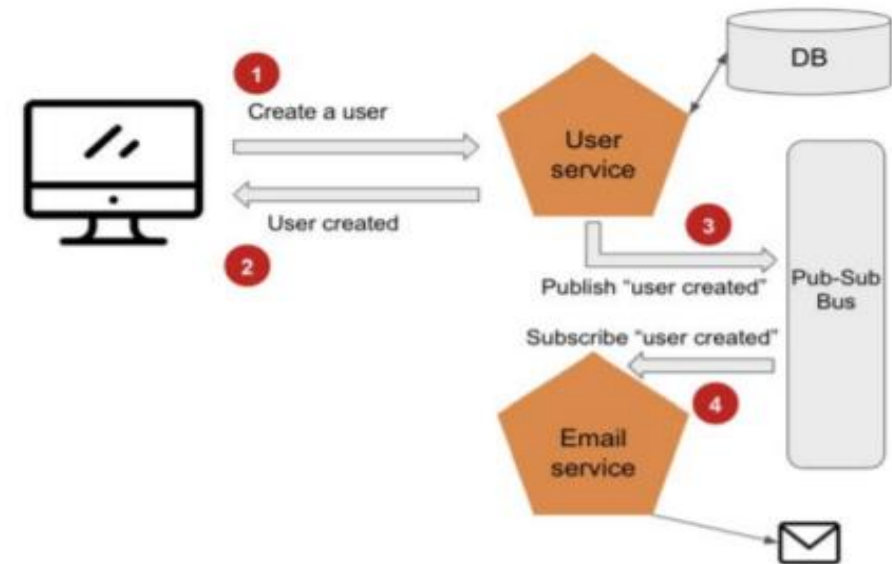about   contact us   course materials   documentation   github

provided by Iliana Xigkou & Nefeli Myropoulou. 💁

We implemented the app based on two widely-used architectures:
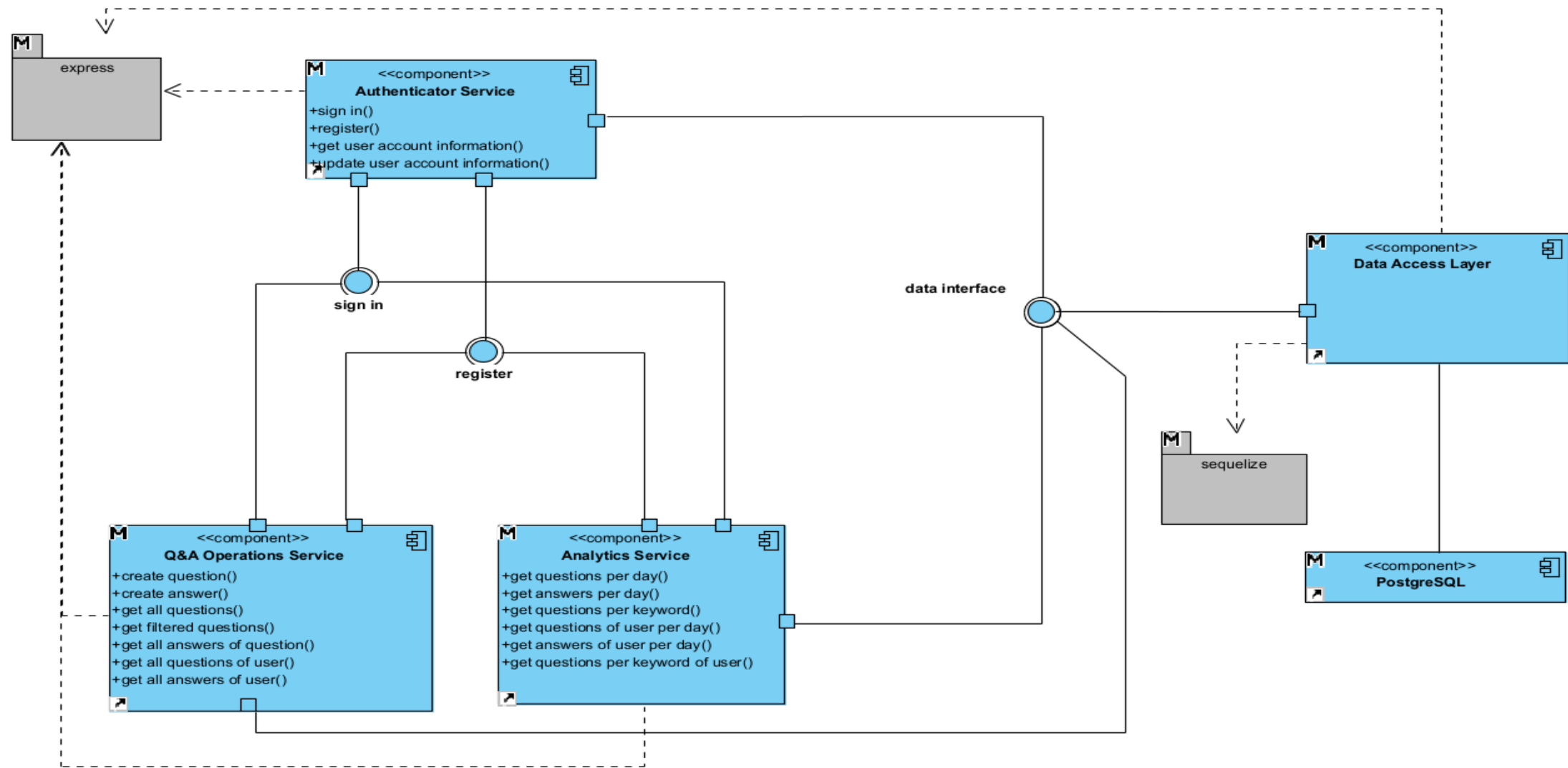
Service-Oriented Architecture

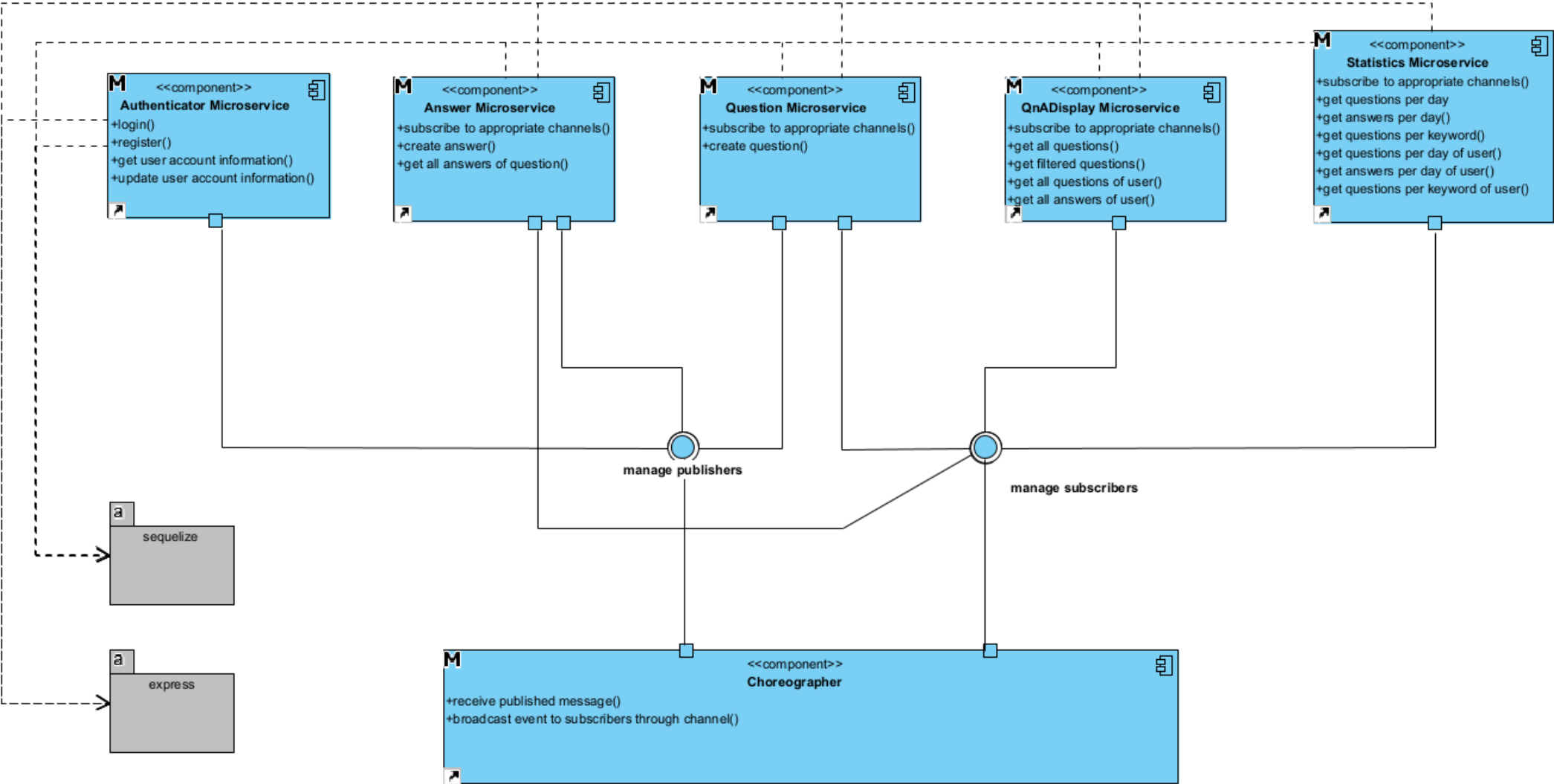**Microservices Architecture (with Choreographer)**

These architectures applied to our use case:

Service-Oriented Architecture

These architectures applied to our use case:

Microservices Architecture

Technology Stack:

Database:
PostgreSQL as the DBMS.

Back-end:
Sequelize as the ORM for the communication with the DBMS.
NodeJS as the JavaScript runtime.
ExpressJS as the web application framework for the implementation of the services in SOA and Microservices architecture.
PassportJS as an authentication middleware for NodeJS.
EmailJS as the third-party service for sending emails to users after they have contacted us via the corresponding 'contact us' form.

Front-end:
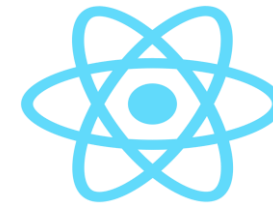ReactJS as the JavaScript library for the front-end.
Bootstrap as the tool for the design and customization of the website's front-end.

Deployment:
Heroku (PaaS) for the SOA and the Microservices apps' deployment.

Only for Microservices Architecture:
Redis as the in-memory key–value database and message broker for the implementation of the Choreographer in the MicroServices architecture.

You can check our website here:

SOA:

https://askmeanything25-soa.herokuapp.com/

Microservices Architecture:

https://askmeanything25-ms.herokuapp.com/

Github:

https://github.com/IlianaXn/askmeanything

Thank you for your attention!