

CareSync

Streamlining Patient-Hospital Interaction

CSE408 - SYSTEM ARCHITECTURE

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Preferred Architecture

We will implement this project with
Microservice Architecture





Microservice Architecture

The full project can be broken down to modular services such as -

- [Authentication](#) service
- Doctor [information](#) service
- User [search](#) service
- [Donation](#) service





Microservice Architecture

Then these modular services can be [independently](#) built by preferred frameworks with more [scalability](#), and [containerized](#) with docker.

[Inter-service communication](#) can be handled through [kubernetes network](#) among the docker containers.





Infrastructural Support

We can use [Redis](#) for caching.

For better quality of service, we can use a [load balancer](#)

After building, the services can be monitored with [Prometheus](#) and [Grafana](#).



Thank you
