

Application to help vulnerable people

People in need

- In our society, many people are isolated
 - Distant family
 - Disabling health problems
 - Medium or even long-term hospitalizations
 - ...
- Need help, but sometimes, people are unable physically
 - Collect a package for a hospitalized person, old person
 - Washing clothes while in hospital
 - ...etc

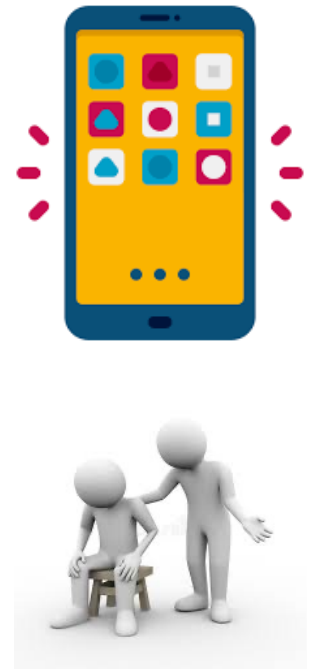


Offer help



Offer help

- A volunteer application
 - People in need can add their requests
 - Volunteers can propose their help by responding to requests
 - Volunteers can propose spontaneous help



Functionalities

- Add new users asking help
- Add new volunteers
- Add administrators
- Add requests
- Requests are validated
- Requests which are not validated, the reason is given
- A request has several status: waiting, validated/rejected, chosen, realized
- The users asking help and volunteers can give feedbacks
- ...

Asked work (1/3): SOAP architecture

1. Define the SOAP architecture of the application
2. Present the designed architecture to your teacher for validation
3. Implement a subset of SOAP services (1 or 2 services only)

Asked work (2/3): REST architecture

- Use the previously defined architecture
- Migrate the developed SOAP services into RESTFull services
- Analyze and compare the two models (SOAP and REST).
Write you analysis, you will return it at the end.

Asked work (3/3): Microservice architecture

- The final targeted work consists in developing a microservice architecture of the application
- Analyze the architecture you have designed. Are there limits?
- Is this architecture conform to a microservice architecture norm?
- Evolve you architecture toward a microservice architecture
- Implement this architecture

