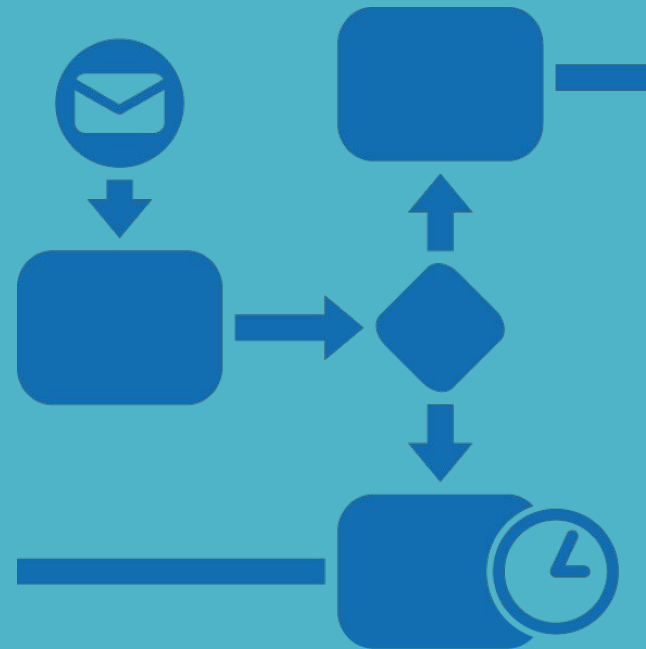


Donothrow

PROCESS AND SERVICE DESIGN PROJECT



Our service



Our customers

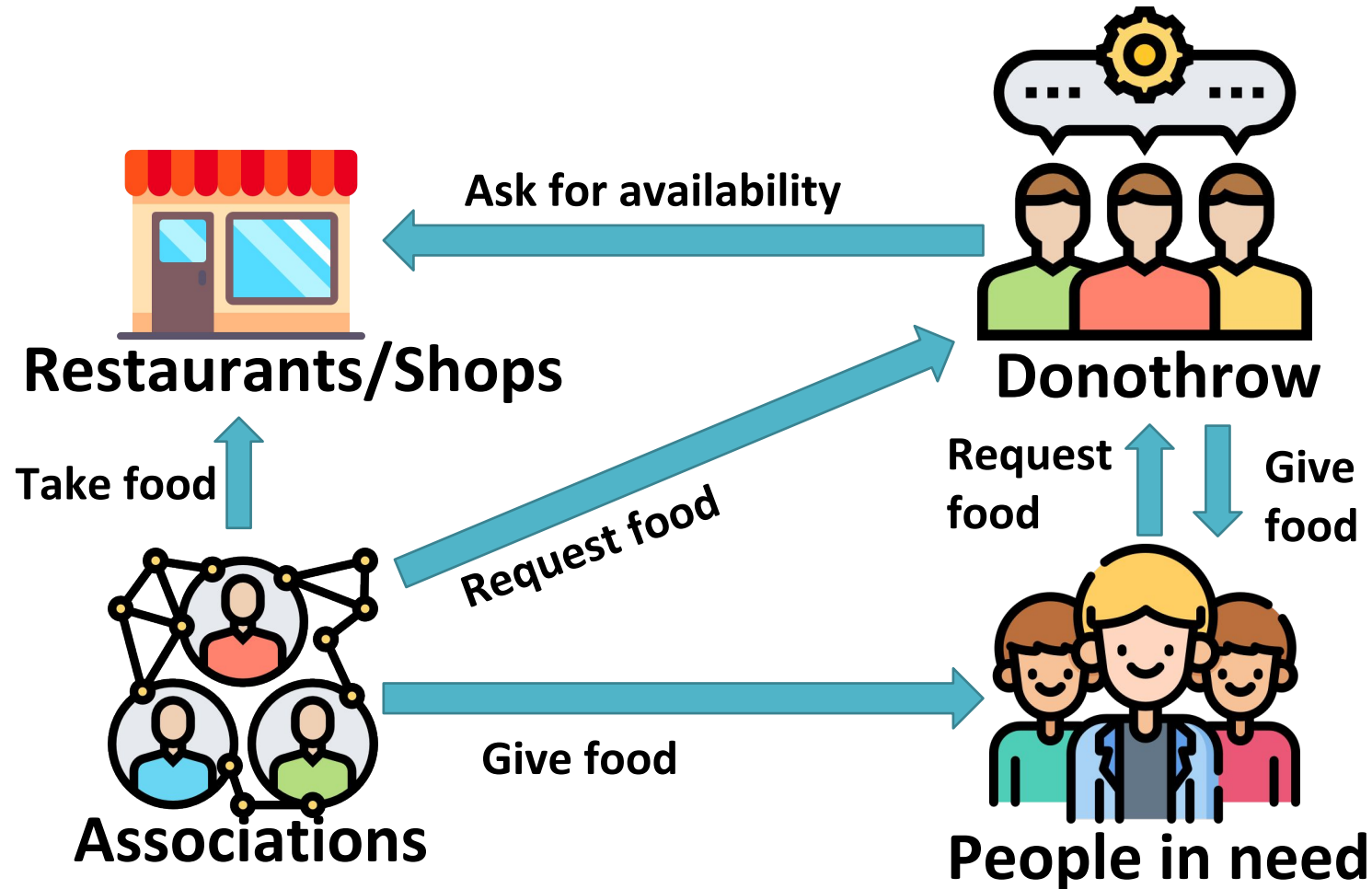
Associations helping people in need



People in need directly



The big picture



Steps

Blueprints

BPMN (High-Level, Choreography, Orchestration)

Process Verification (Petri Nets)

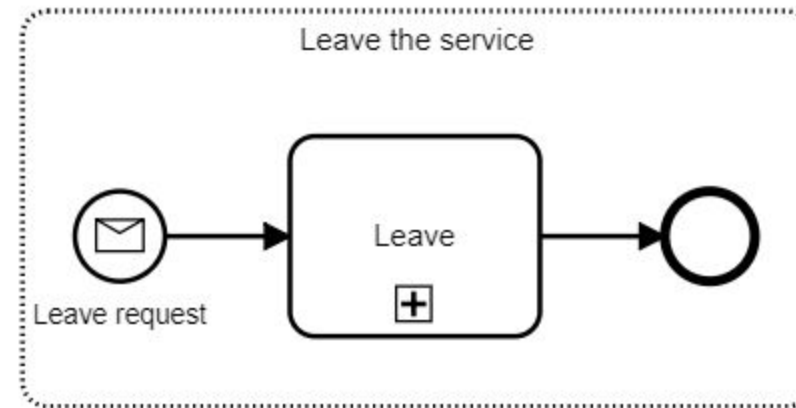
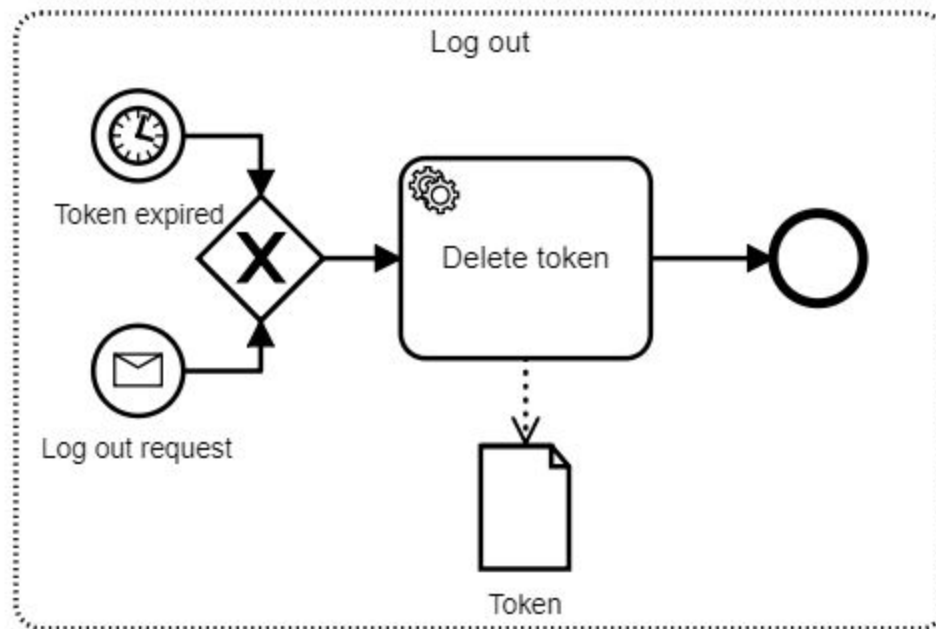
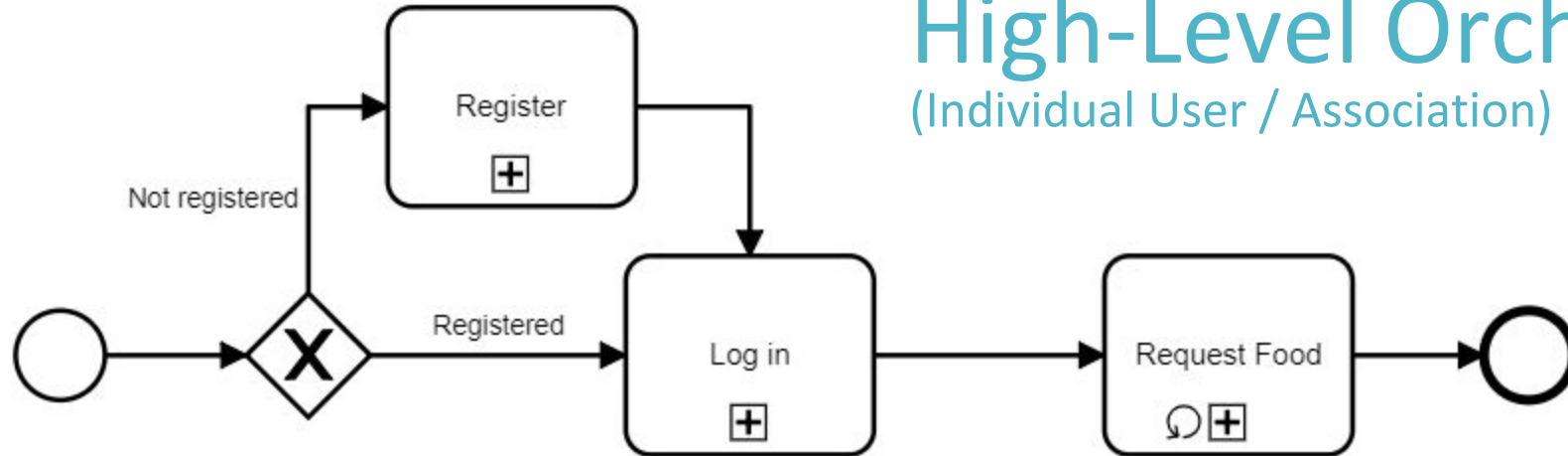
REST API Portfolio Design (Swagger)

REST API Implementation/Deployment (Node + Heroku)

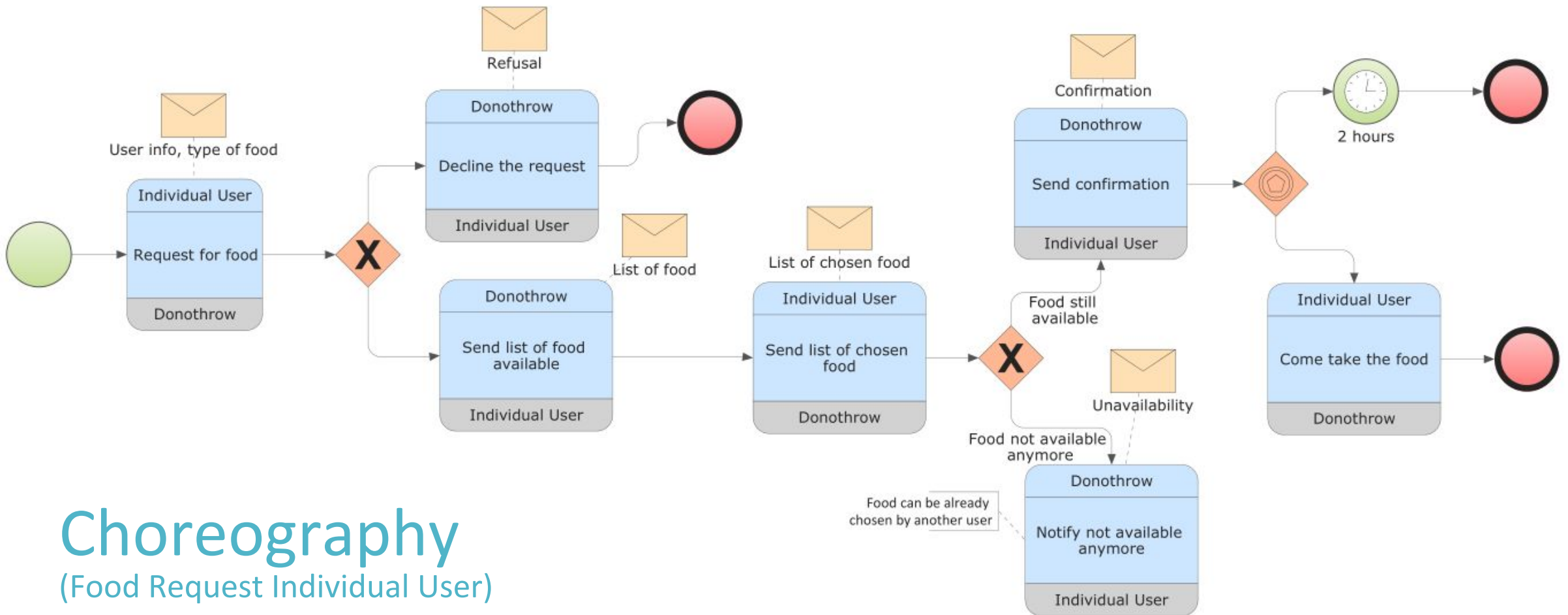
Process Execution (Camunda + Java)

High-Level Orchestration

(Individual User / Association)



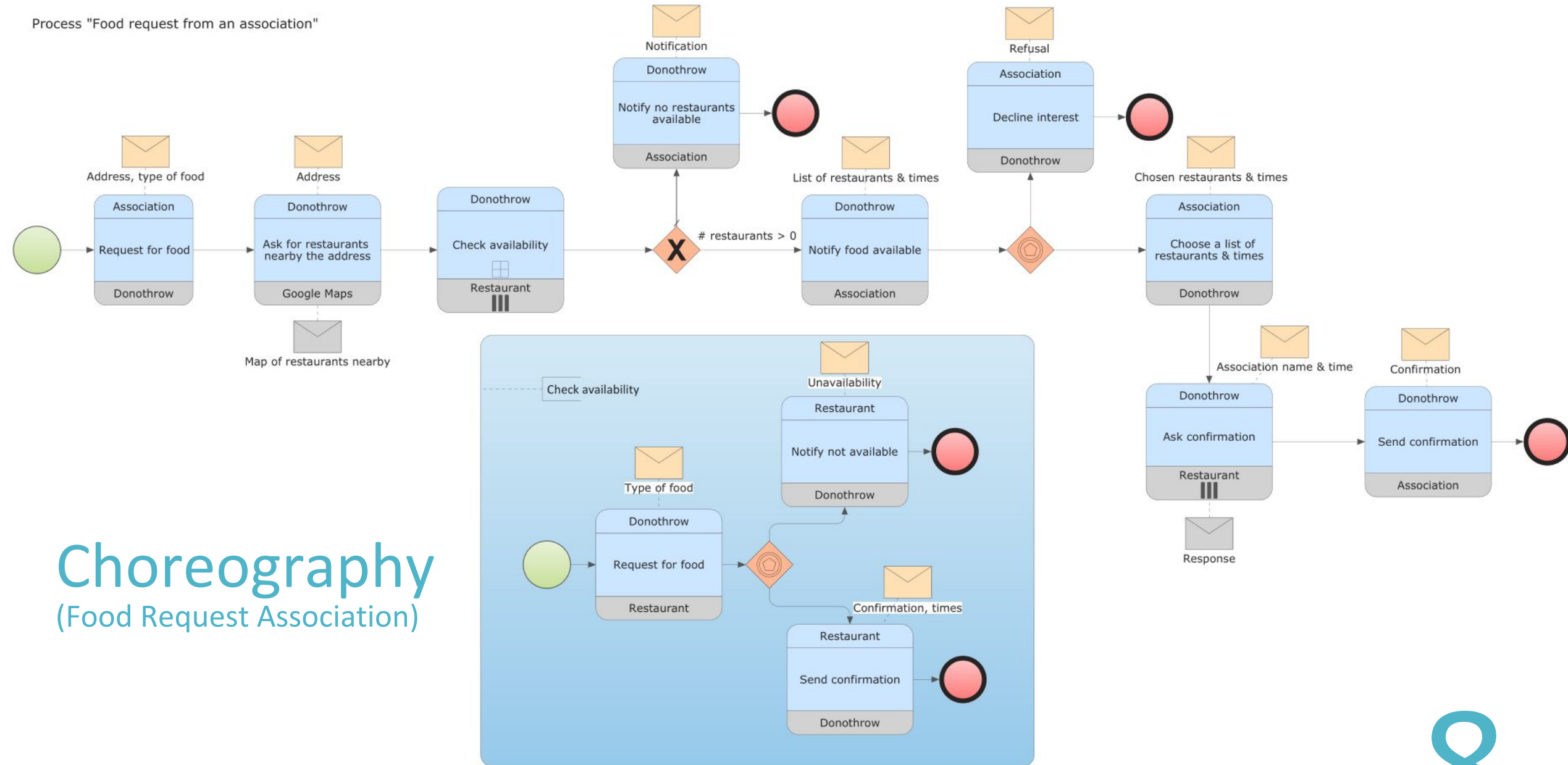
Process "Food request from an individual user"



Choreography

(Food Request Individual User)

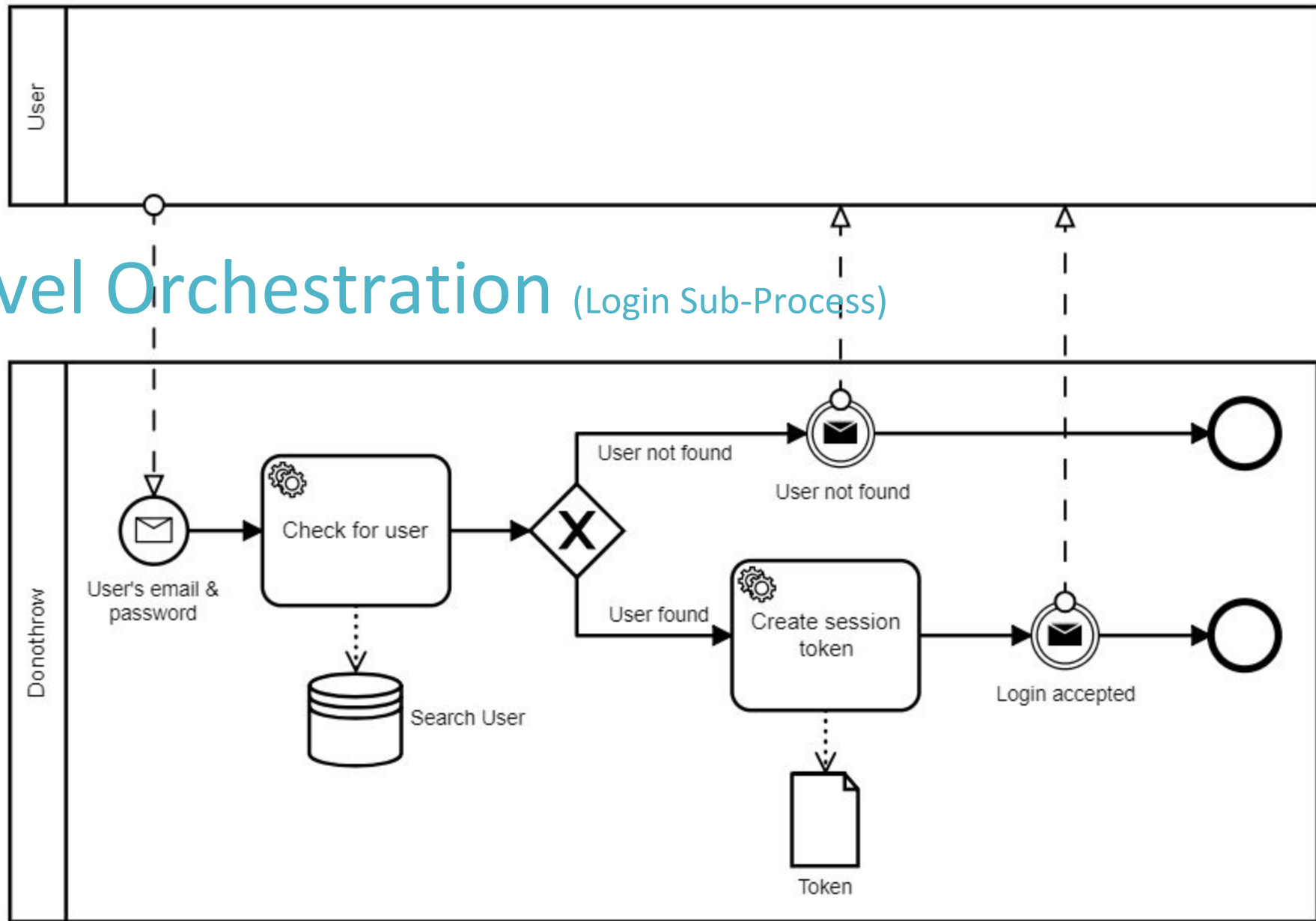
Process "Food request from an association"



Choreography

(Food Request Association)

Low-Level Orchestration (Login Sub-Process)



Much more was modelled!

CHOREOGRAPHY

- Individual User Food Request
- Association Food Request
- [Donotthrow Food Request]
- Register
- Login
- Leave

ORCHESTRATION

- High-Level Individual User / Association
- [High-Level Donotthrow]
- Low-Level Register
- Low-Level Login
- Low-Level Leave (soundness verification)
- Low-Level Individual User Food request (executed)

REST API Portfolio Design

food

POST /food/ Add a new food to database

PUT /food/{id} Update an existing food items by id

GET /food/{id} Finds food by id

DELETE /food/{id} delete food by id

request

GET /request/{id} find request by id

GET /request/all find all the request

POST /request add new request

restaurant

GET /restaurant/getInfo/{id} get the info about restaurants

POST /restaurant/add add new restaurants

user

GET /user/info/{id} get user info by id

PUT /user/info/{id} update user information

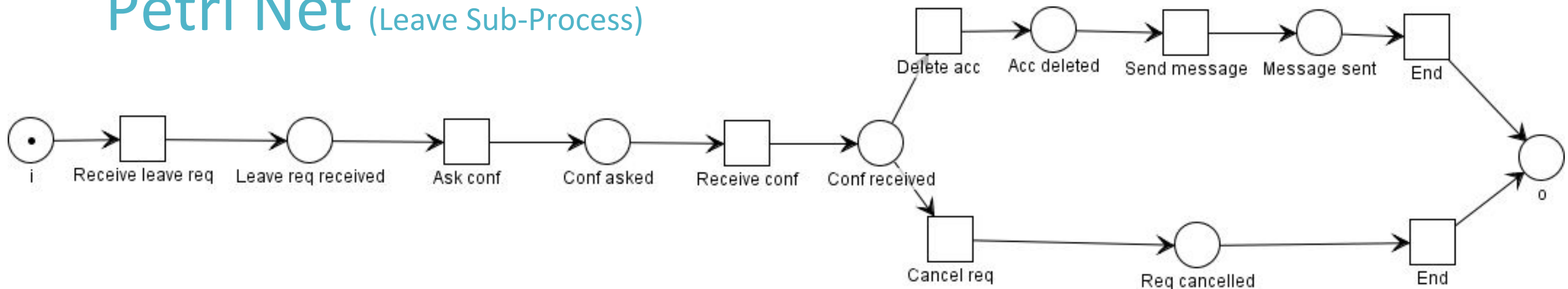
POST /user/signUp register user

POST /user/signIn signIn with user info

REST API Implementation/Deployment

Process Verification

Petri Net (Leave Sub-Process)



Process is sound iff :

- The corresponding Petri Net is a Workflow Net ✓
- For any case the process terminates in o with only tokens in o ✓

Execution

Time for a demo!



Challenges

Synchronization of the **work**

Solution: Frequent Reviews in Group

Design a **reusable API**

Solution: Apply the REST properties

Execute a process with **unknown technologies** (Camunda/Java)

Solution: Watch tutorials from Camunda