

# Exercise 5

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March 18 2024

## Task 1: Take part to a decentralised social network

### Task 1.1: Update your FOAF Profile

The Url to my Card: /kai/card#me

I added my Name and my mail address additionally to adding you and Jonas as people that I know.

```
1 @prefix foaf: <http://xmlns.com/foaf/0.1/>.
2 @prefix solid: <http://www.w3.org/ns/solid/terms#>.
3
4 <>
5   a foaf:PersonalProfileDocument;
6   foaf:maker <https://wiser-solid-xi.interactions.ics.unisg.ch/kai/
7     profile/card#me>;
8   foaf:primaryTopic <https://wiser-solid-xi.interactions.ics.unisg.ch/kai/
9     profile/card#me>.
10
11 <https://wiser-solid-xi.interactions.ics.unisg.ch/kai/profile/card#me>
12
13   solid:oidcIssuer <https://wiser-solid-xi.interactions.ics.unisg.ch/>;
14   a foaf:Person;
15   foaf:name "Kai Schultz";
16   foaf:mbox "kai.schultz@student.unisg.ch" ;
17   foaf:knows <https://wiser-solid-xi.interactions.ics.unisg.ch/danaivach/
18     profile/card#me> ;
19   foaf:knows <https://wiser-solid-xi.interactions.ics.unisg.ch/Jonas/
20     profile/card#me> .
```

### Task 1.2: Query the distributed social graph

Both queries can be copy pasted into the terminal and executed as is if you have the necessary command line tools.

#### 1. Query the people you know based on your FOAF profile

```
1 comunica-sparql https://wiser-solid-xi.interactions.ics.unisg.ch/kai/
2   profile/card#me \
3   "PREFIX foaf: <http://xmlns.com/foaf/0.1/>
4   SELECT DISTINCT ?person
5   WHERE {
6     <https://wiser-solid-xi.interactions.ics.unisg.ch/kai/profile/card#
7       me> foaf:knows ?person.
8   }"
```

## 1. Query the names of all people interconnected in the distributed social graph

```
1 comunica-sparql-link-traversal-solid --idp https://wiser-solid-xi.
  interactions.ics.unisg.ch/\
2 "PREFIX foaf: <http://xmlns.com/foaf/0.1/>
3 SELECT DISTINCT ?person
4 WHERE {
5   <https://wiser-solid-xi.interactions.ics.unisg.ch/kai/profile/card#me> (
6     foaf:knows|^foaf:knows)+ ?person.
7 }" --lenient
```

## Task 2: Build an application for your Solid pod

All the code for the task can be found on Github: [/src/env/solid/Pod.java](#)

Code should be executed as described in the Exercise description.