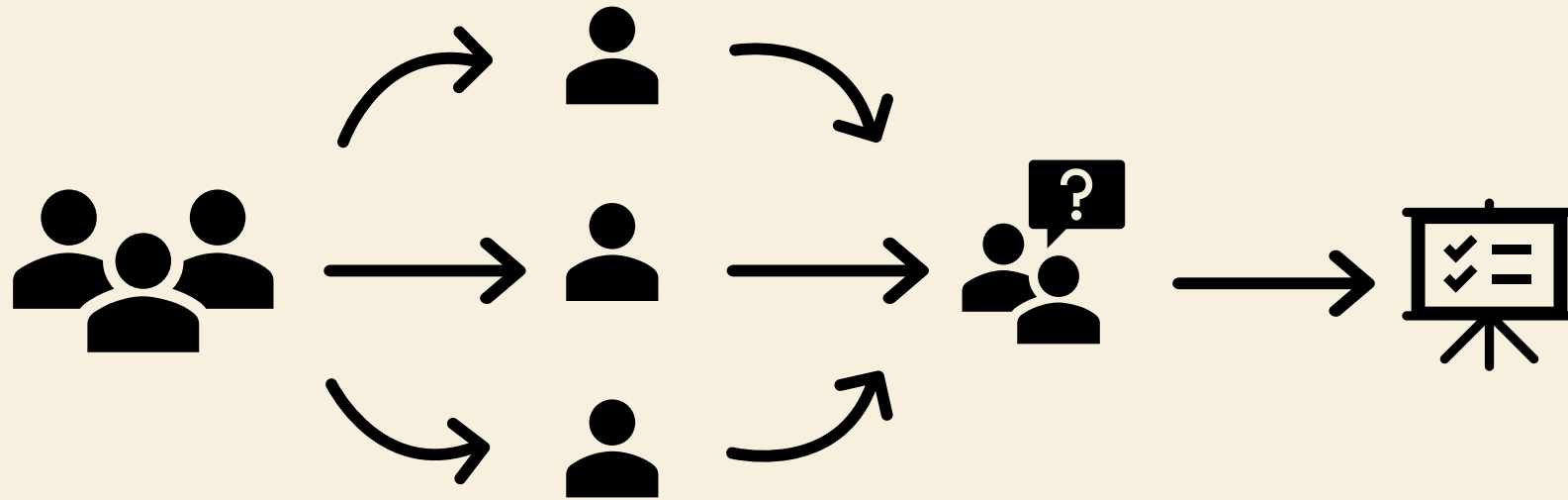




# **VIADA EN3B**

**ELENA RODRÍGUEZ RÍO  
LUCÍA MEGIDO GARCÍA  
CARMEN VIGO RODRÍGUEZ**

# ORGANIZATION



# GOALS

Interoperability

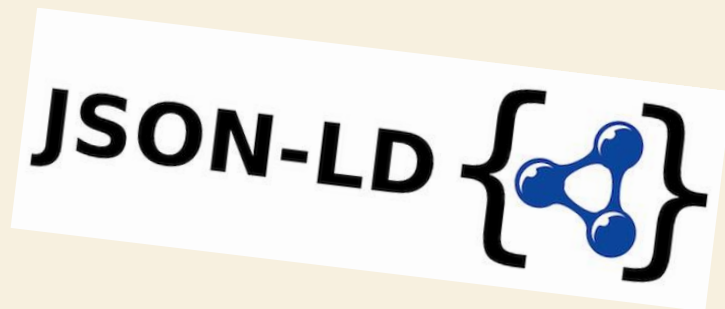
Usability

Performance

Availability

# INTEROPERABILITY

Viade Data Model Specification <https://arquisoft.github.io/viadeSpec/>



 viade

 route

 groups

 resources

# USABILITY

*Intuitive*

*User friendly*

*Seems familiar*

*Easy to use*

*Looks good*



## Welcome to Viade.

---

The first routes management system based on  
SOLID technology.



See routes



Create new



## Create your own route

1 Basic data — 2 Map — 3 Review your route

Please, introduce the following data for your new route


Name \*


Date \*

30/04/2020



Description

 PHOTOS

 VIDEOS

Fields marked with (\*) are mandatory.

NEXT

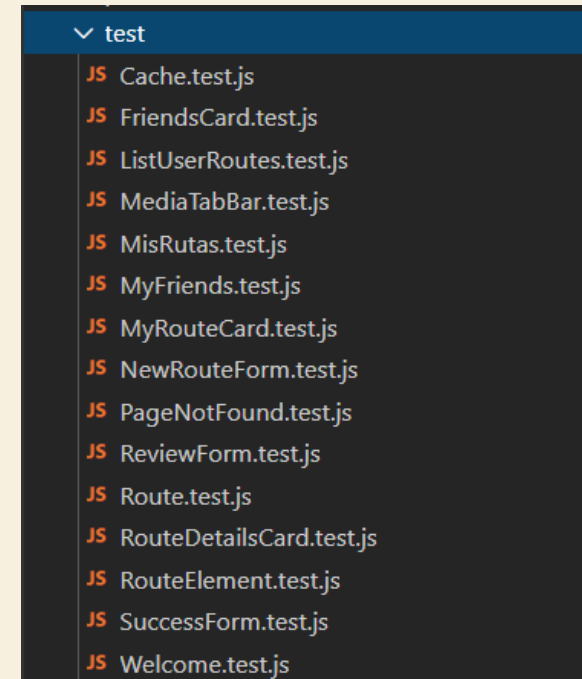
# PERFORMANCE & AVAILABILITY

- The service should run fluidly, with no problems or restrictions that affect to its performance efficiency.
- The app should always work whenever the user has Internet connection and the server is available.
- The limitations of SOLID
  - Cache



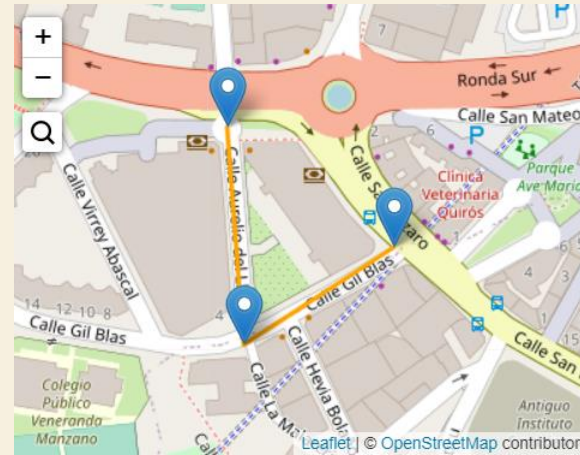
# TESTING

- TDD: Test Driven Development
- Testing of basic components
- [@testing-library/react](#)
- [@testing-library/jest-dom/extend-expect](#)

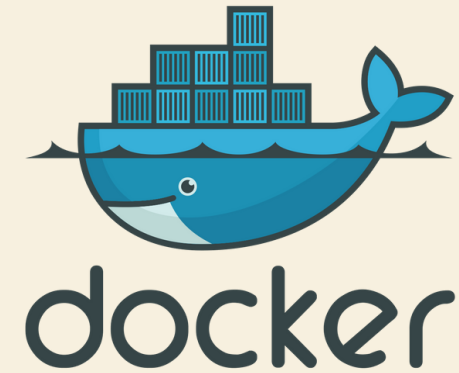


# TESTING

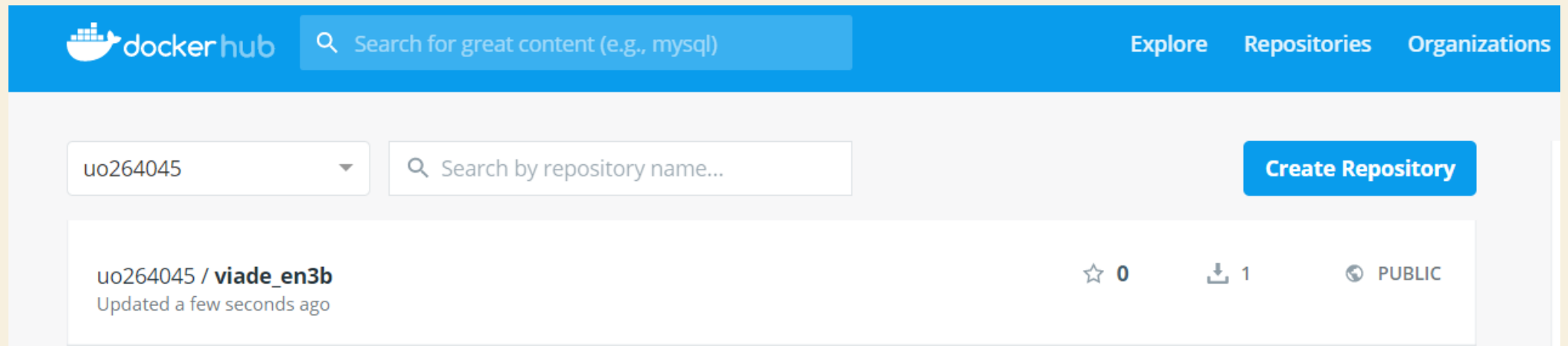
- Problems while testing:
  - Rendering map polylines(svg)
  - Event firing
- Solution
  - `setupTests.js`



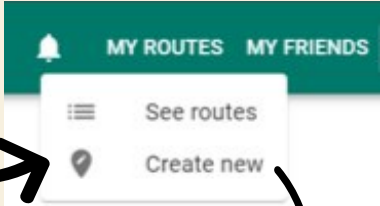

# PACKAGING WITH DOCKER



```
Dockerfile
1 FROM node:12.14.0
2 COPY . /app
3 WORKDIR /app
4 RUN npm install
5 CMD ["npm", "start"]
```



# CREATING ROUTES





Create your own route

1 Basic data — 2 Map — 3 Review your route

Please, introduce the following data for your new route

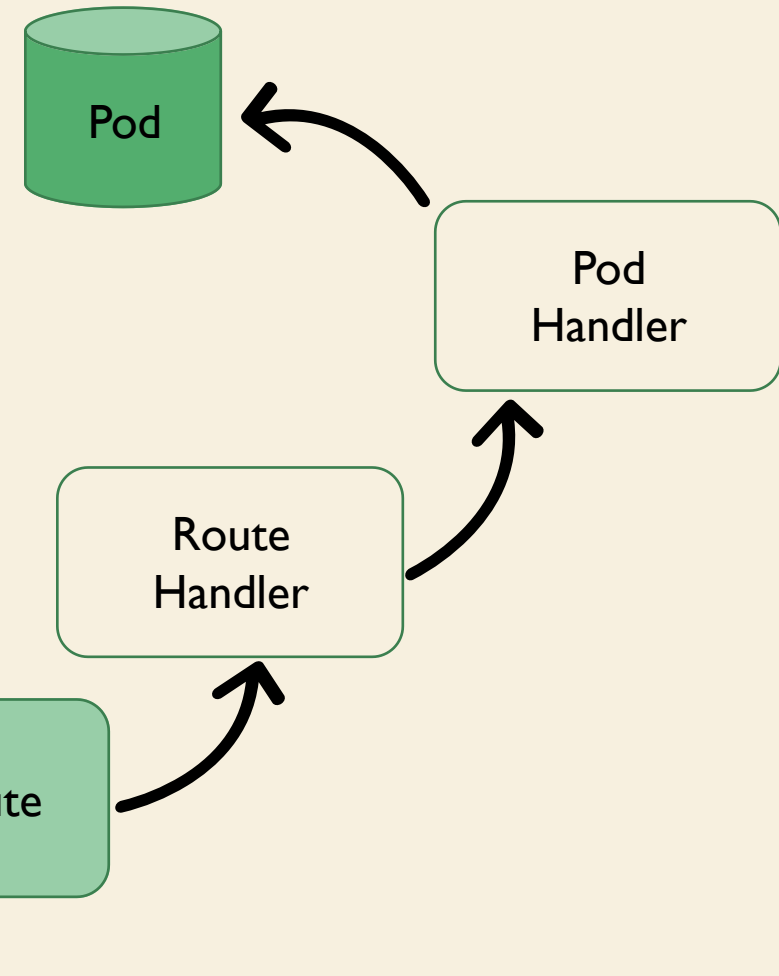
Name \*  Date \*

Description

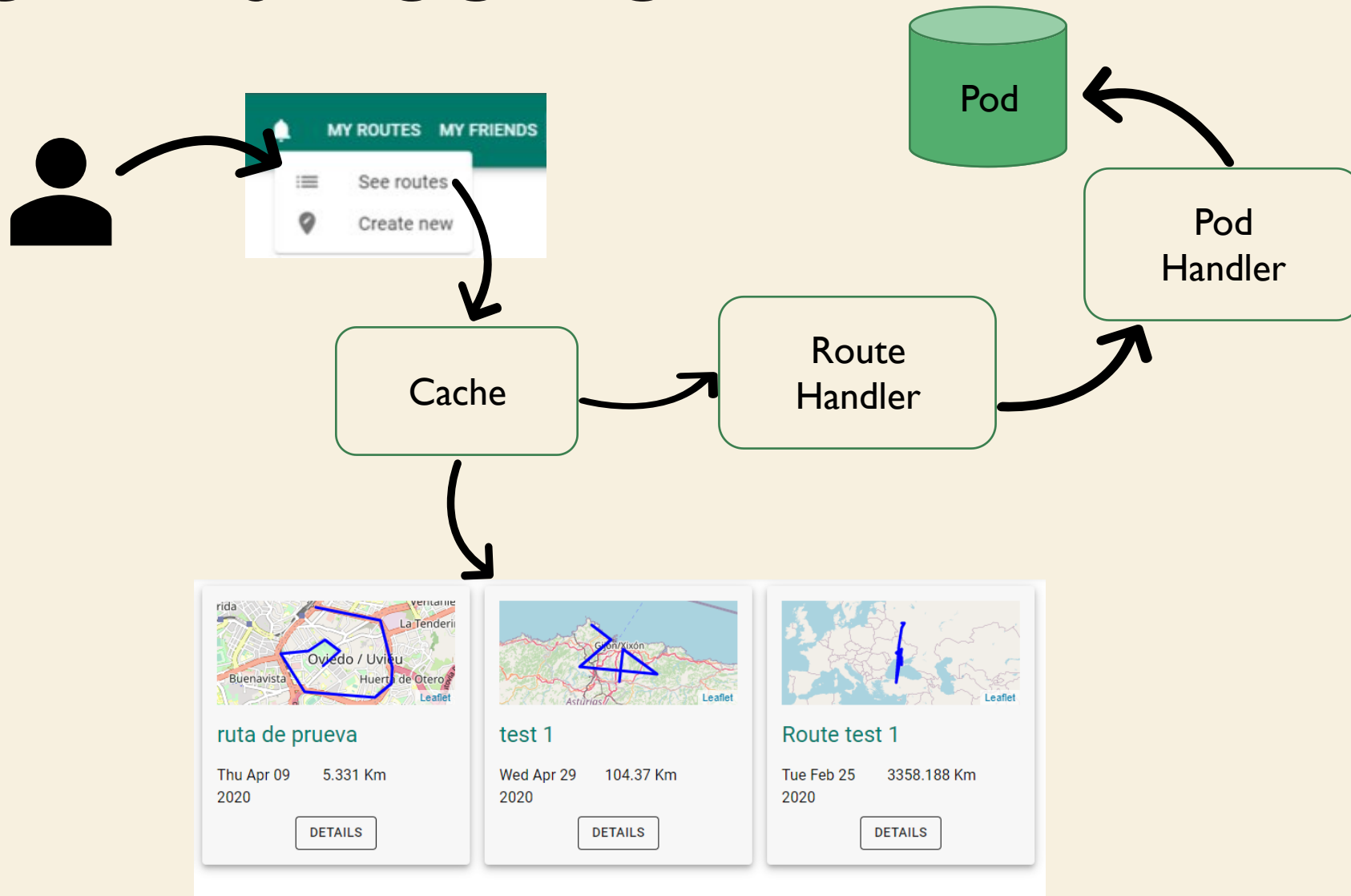
 PHOTOS  VIDEOS

Fields marked with (\*) are mandatory.

**NEXT**



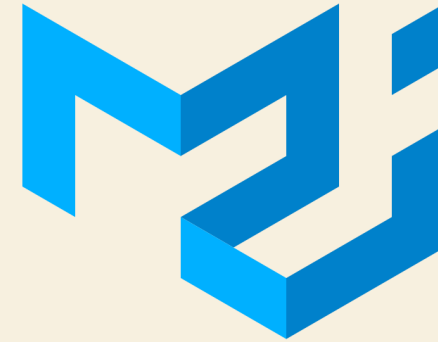
# SHOWING ROUTES



# PROJECT DEVELOPMENT

- Positive aspects:
  - Weekly meetings + extra meetings ( 45 min – 1h aprox)
  - Frequent use of issues and pull requests
- Negative aspects:
  - Bad distribution of the work
  - Lack of knowledge in some areas

# LIBRARIES



POD access  
Solid-file-client

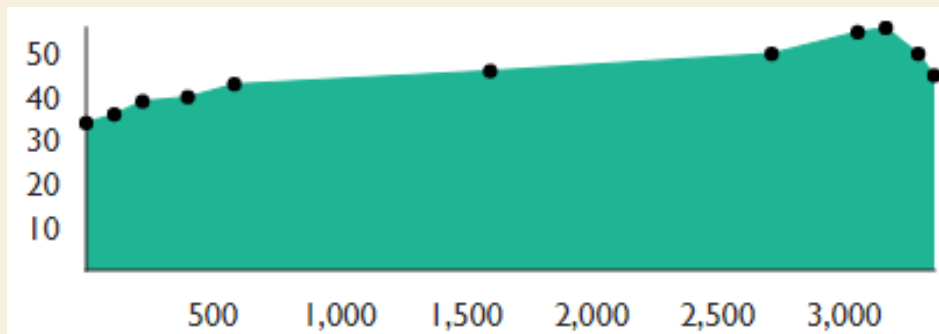
Map display  
Leaflet

Interface components  
Material-ui

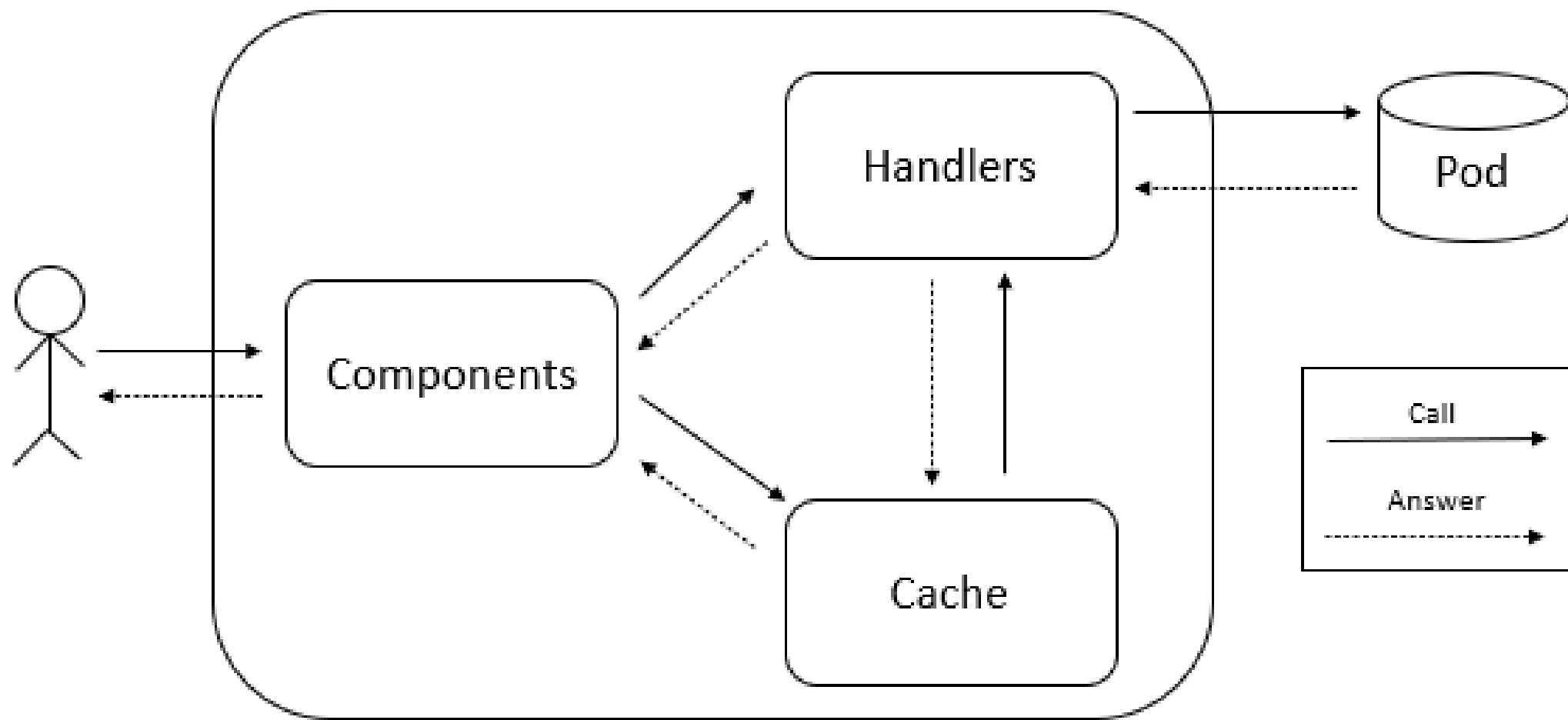
Authenticate users  
Solid-auth-client

Elevation graphics display  
Victory

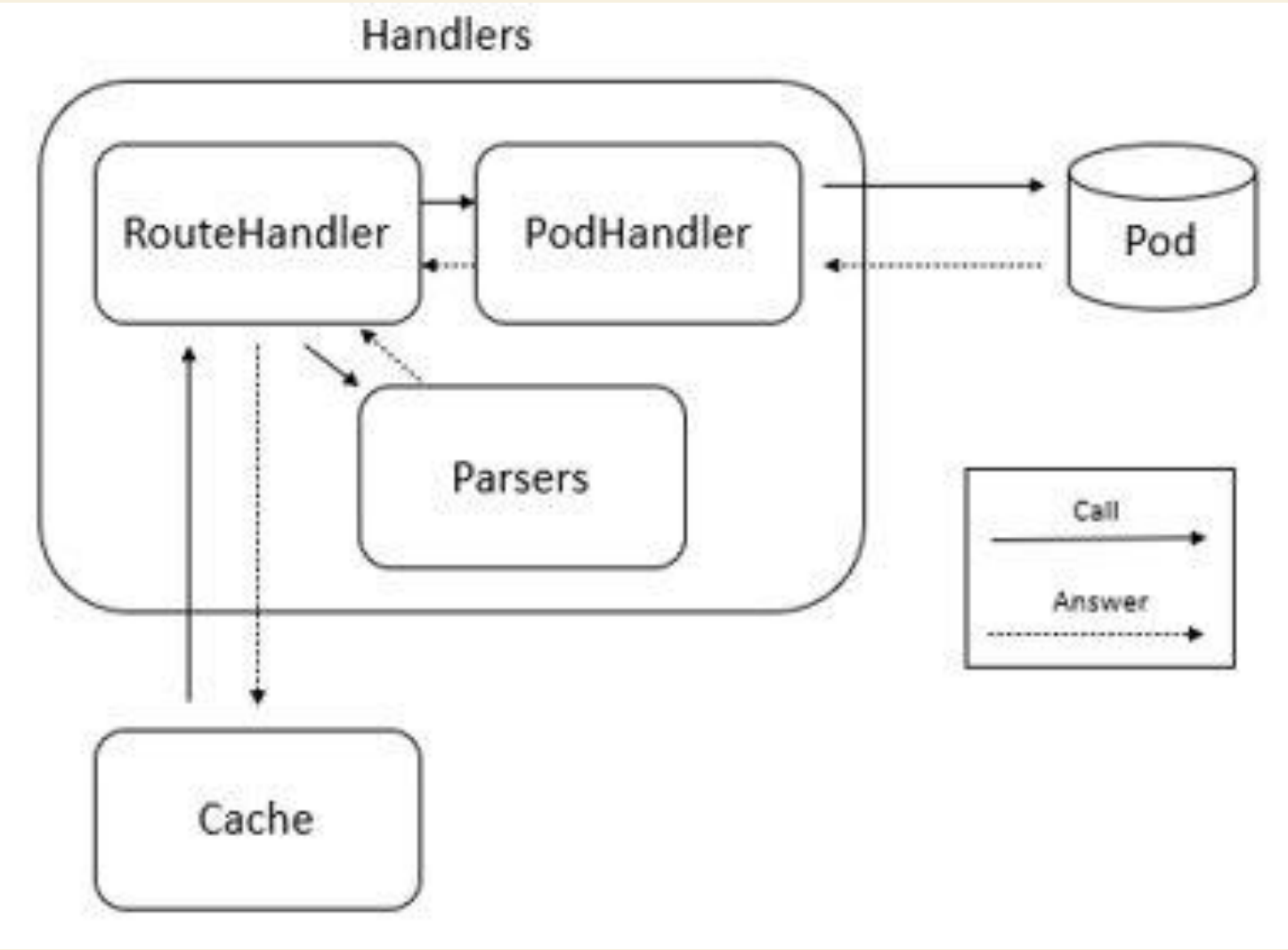
File name generation  
UUID



► con foto@325c80a5 41f5 4368 84c2 65892fc135d6.jsonld  
► con foto@e41c3720 9e16 44d1 9f39 d9b8f7c721ff.jsonld

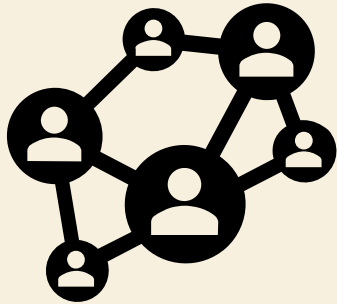






# PENDING FEATURES

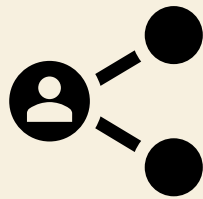
Adding friends



Internationalization



Sharing routes



More Interoperability!



**THANK YOU SO MUCH FOR YOU ATTENTION!**