



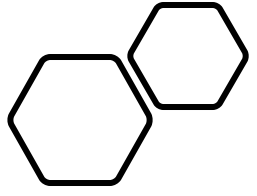
# Viade\_es5c

- Bernardo Begega Calleja - UO264273
- Aitor Llanos – Irazola - UO264476
- Marcos Matilla González - UO258935
- Borja Rodriguez Lorenzo - UO258643
- Inés Andrés Santos - UO258865
- Iñaki Salgado Uralde - UO237133

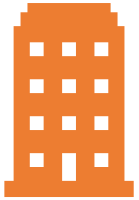


# Frontend





# Design Decisions



Scalability



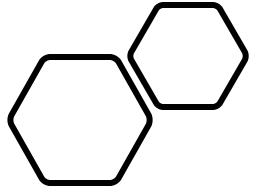
Usability



Fluency



Accessibility



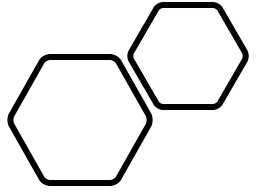
Scalability



Easy to enlarge



Modular design



# Accessibility



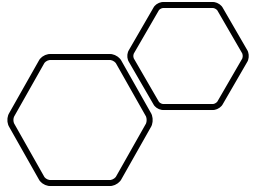
Easy to use



Simple colours



Thought for everyone



# Usability



Easy To  
Understand



Notifications of  
actions



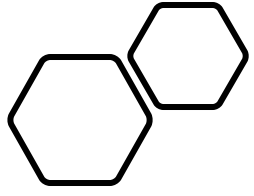
Standards  
designs



Visual



Minimalist



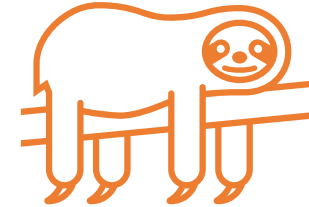
Fluency



Fast loading



Quick response



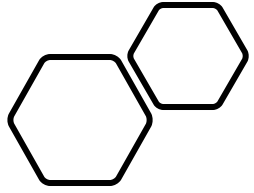
Lazy load



# Backend







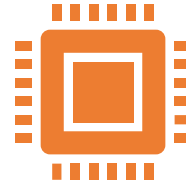
## Main points



Parseo



Utils – generator  
solid react

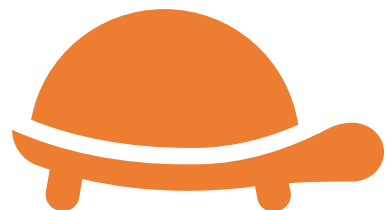


Solid-file-client



Tripledock

# Specification



Turtle



viadeSpec

# Specification - Pod

viade/

routes/

978456231.ttl

745978458.ttl

resources/

974697456.jpg

456845645.png

845564558.mp4

inbox/

165468763.ttl

368743654.ttl

shared/

uoXXXXX.solid.community.jsonld

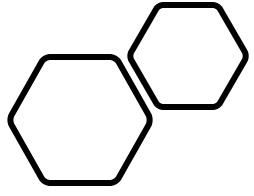
```
<URI of notification> a as:<Notification type>;
  schema:license <license of notification>;
  terms:title "title of notification";
  as:summary "URI de la notificación";
  as:actor <WebID of the user who wants to share the resource>;
  as:target <WebID of the user with whom you want to share the route>;
  as:object <URI of resource>;
  solid:read "notification read or not"^^xsd:boolean;
  as:published "sending date"^^xsd:dateTime.
```

```
# Represents a route
:Route {
  schema:name          xsd:string    ;
  schema:description   xsd:string ? ;
  :point               @:Point * ;
  :gpx                 @:GPXShape ; // See ShEx description for GPX Routes
  :hasComments         xsd:string OR @:UserComment * ;
  :hasMediaAttached    @:Image OR @:Video *;
}
```

## Specification – Route – Notification

## Specification – Shared

```
{
  "@context": {
    "@version": 1.1,
    "routes": {
      "@container": "@list",
      "@id": "viade:routes"
    },
    "viade": "http://arquisoft.github.io/viadeSpec/"
  },
  "routes": [
    {
      "@id": "http://inrupt.XXXXXX/viade/routes/6546524784.ttl"
    },
    {
      "@id": "http://inrupt.XXXXXX/viade/routes/6546524443.ttl"
    }
  ]
}
```



# Features



Create/configure  
structure



Upload route



List routes



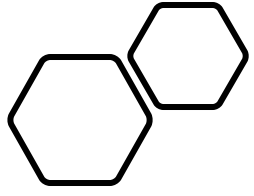
Send notification



Accept notification



List friend's routes that  
have been shared



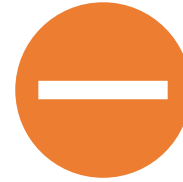
# Create-configure structure



Is settings.ttl created?



Is inbox created and linked in  
the settings.ttl?

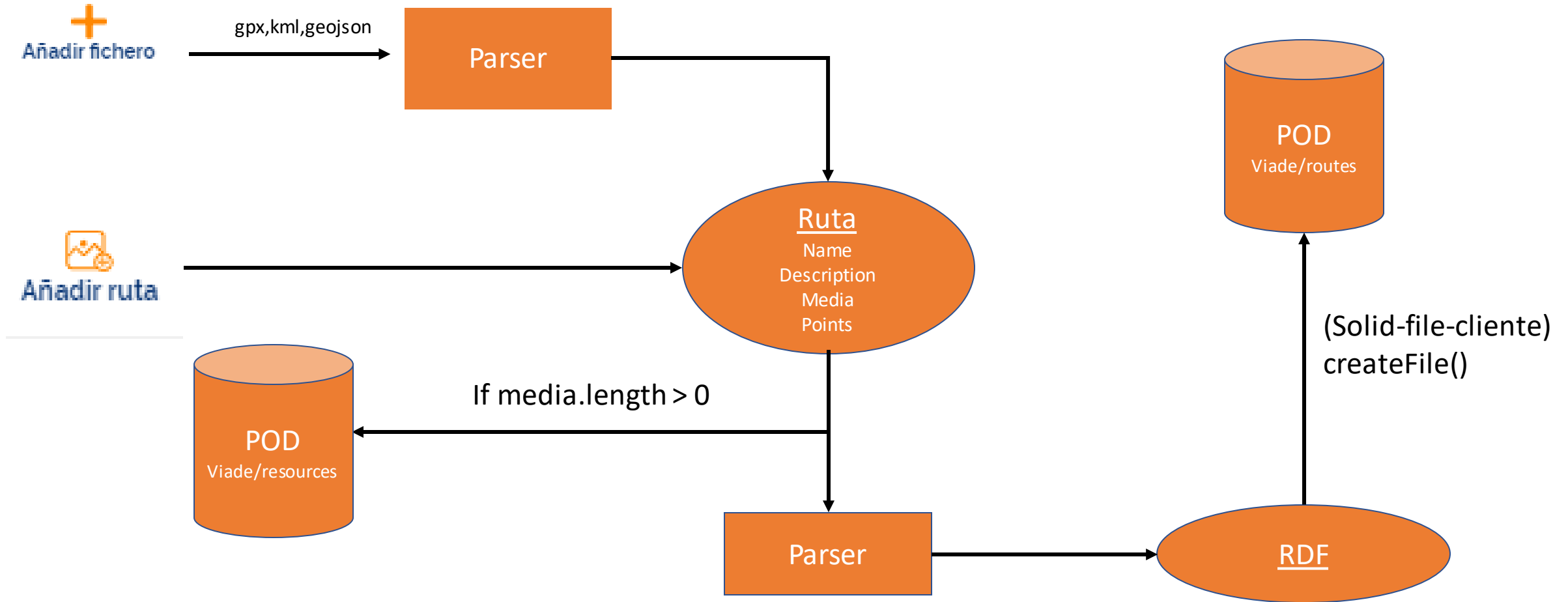


Are there paths created with  
the permissions?



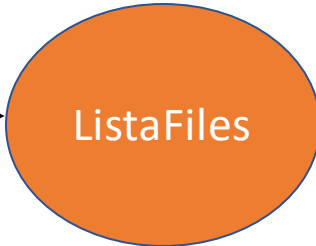
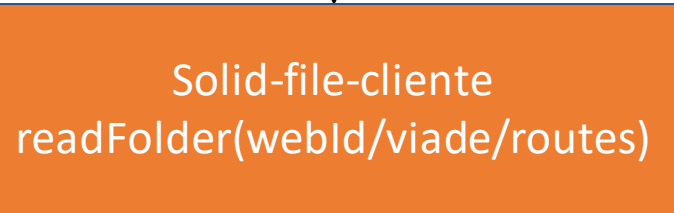
Is the inbox open for everyone  
to write but not read?

# Upload route

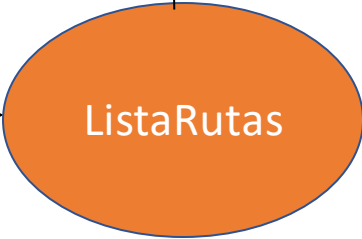
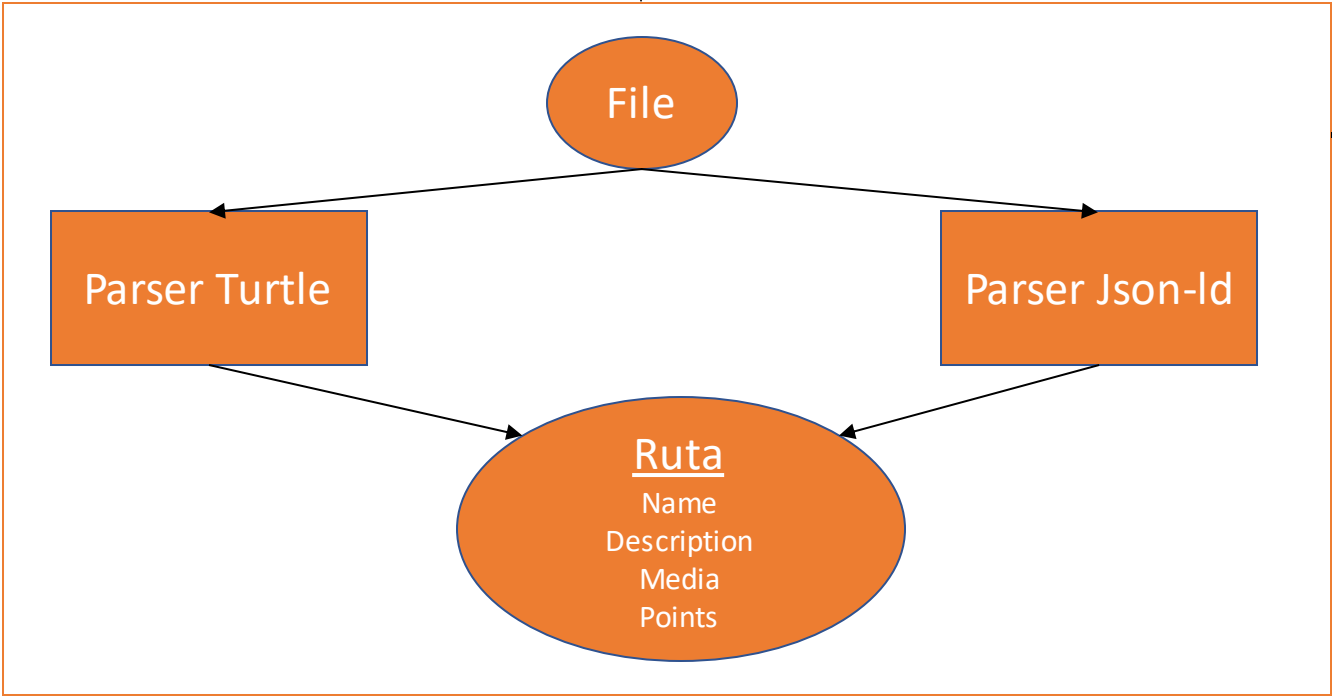




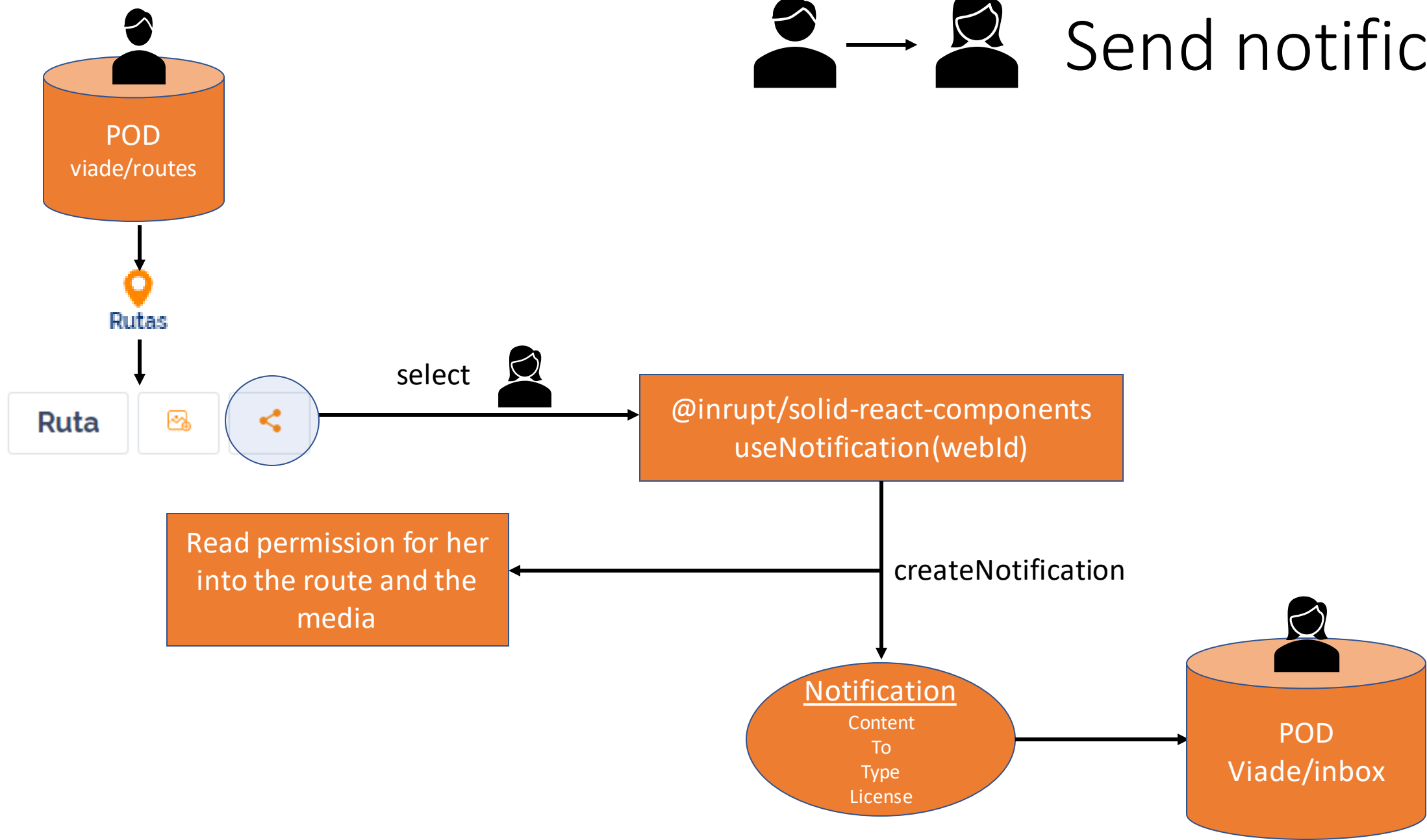
# List routes



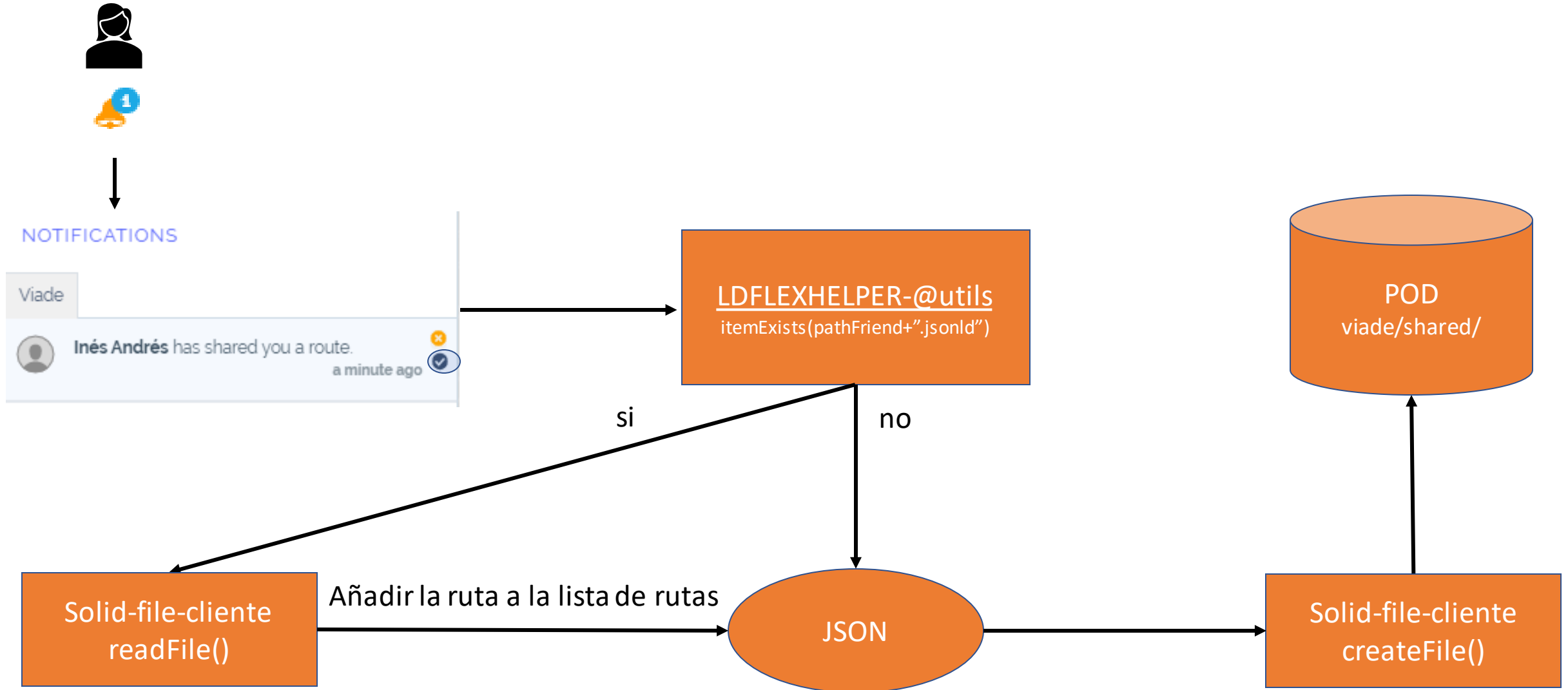
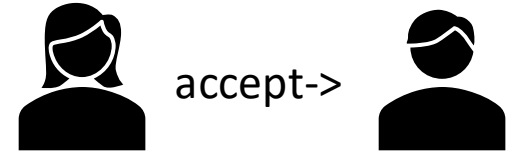
Por cada file



 →  Send notification



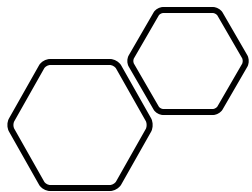
# Accept notification



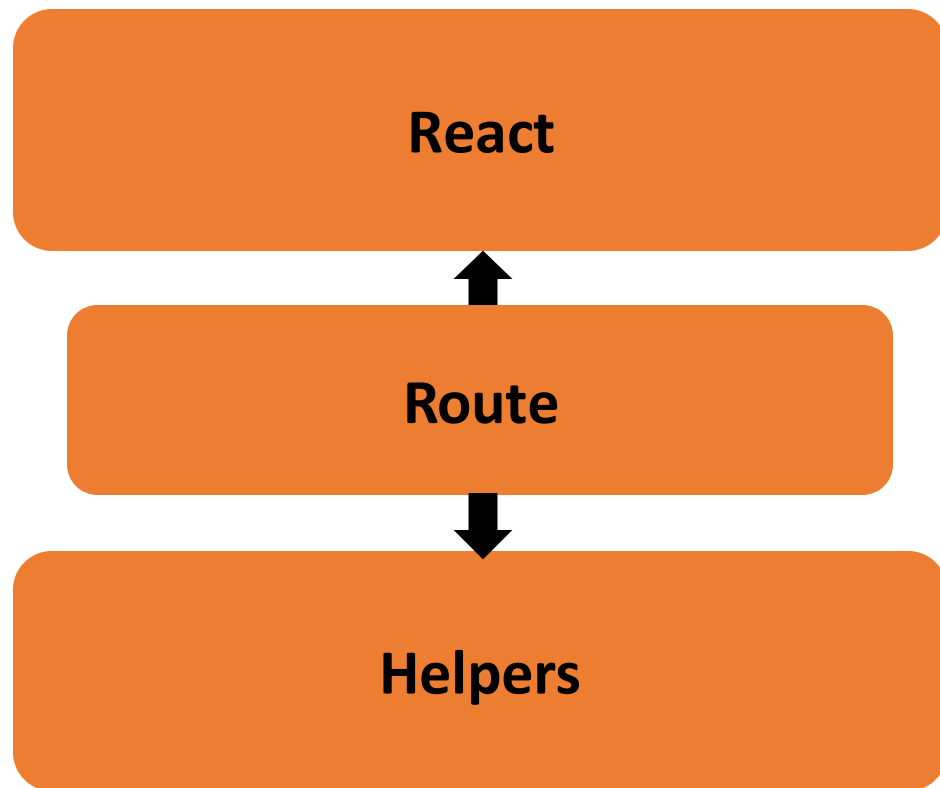


Architecture choices and miscellanea

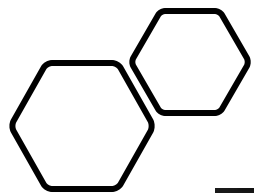
—



# Architectural design



**DDD**  
Domain-driven  
design



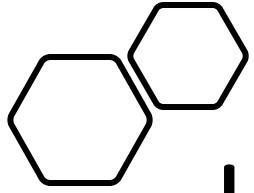
# Decisions made



- Google Maps ✓
- Tests ✗

- Turtle ✓

- Json-LD ✓



## Unit Test (TDD)

## Testing

## Behaviour Test (BDD)

```
Test Suites: 58 passed, 58 total
Tests:       133 passed, 133 total
Snapshots:   0 total
Time:        41.555s
Ran all test suites.
```



codecov

54%

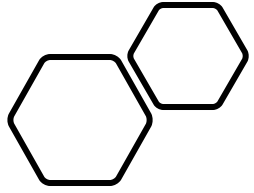
Login

List Routes

List Friends

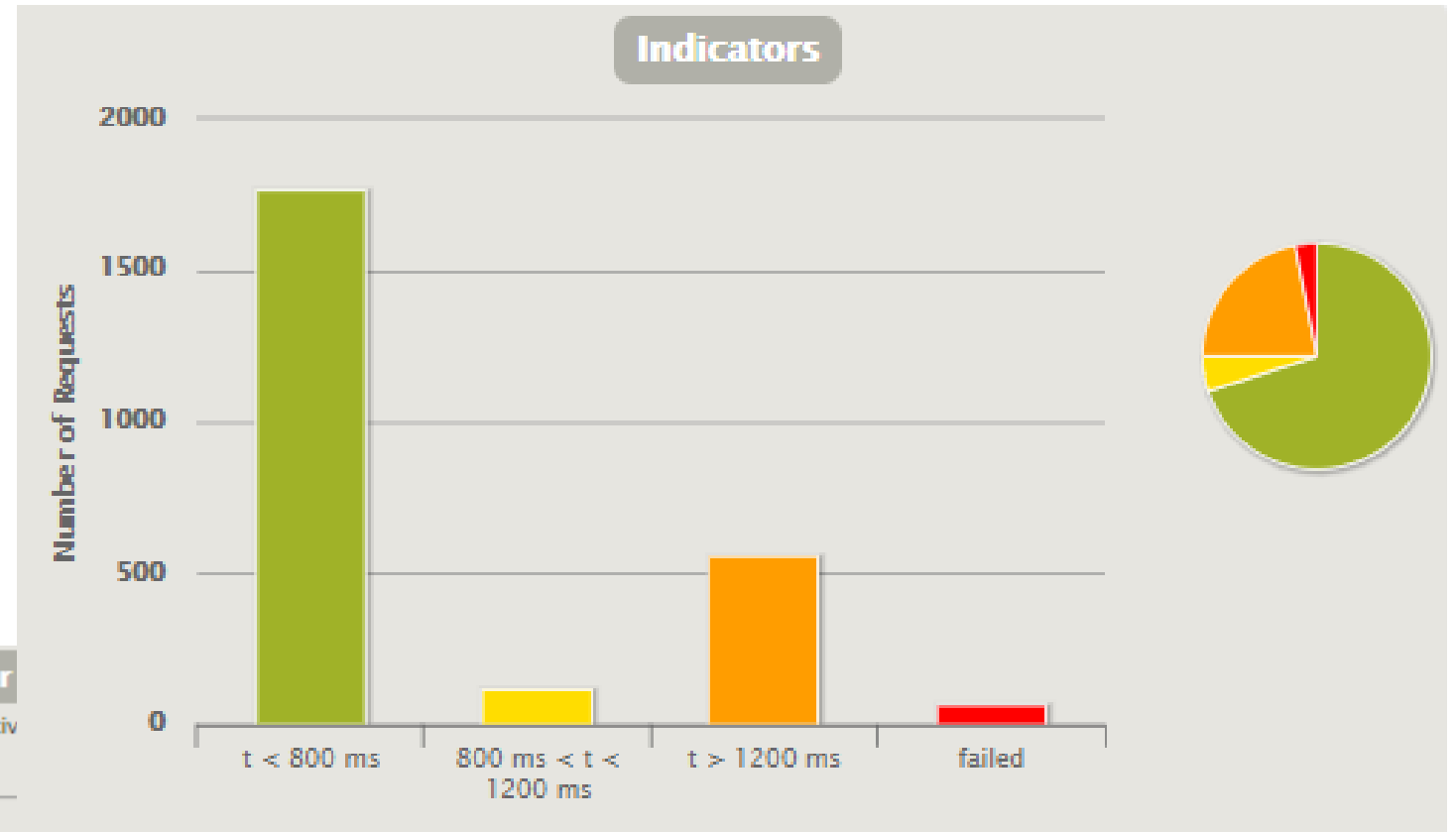
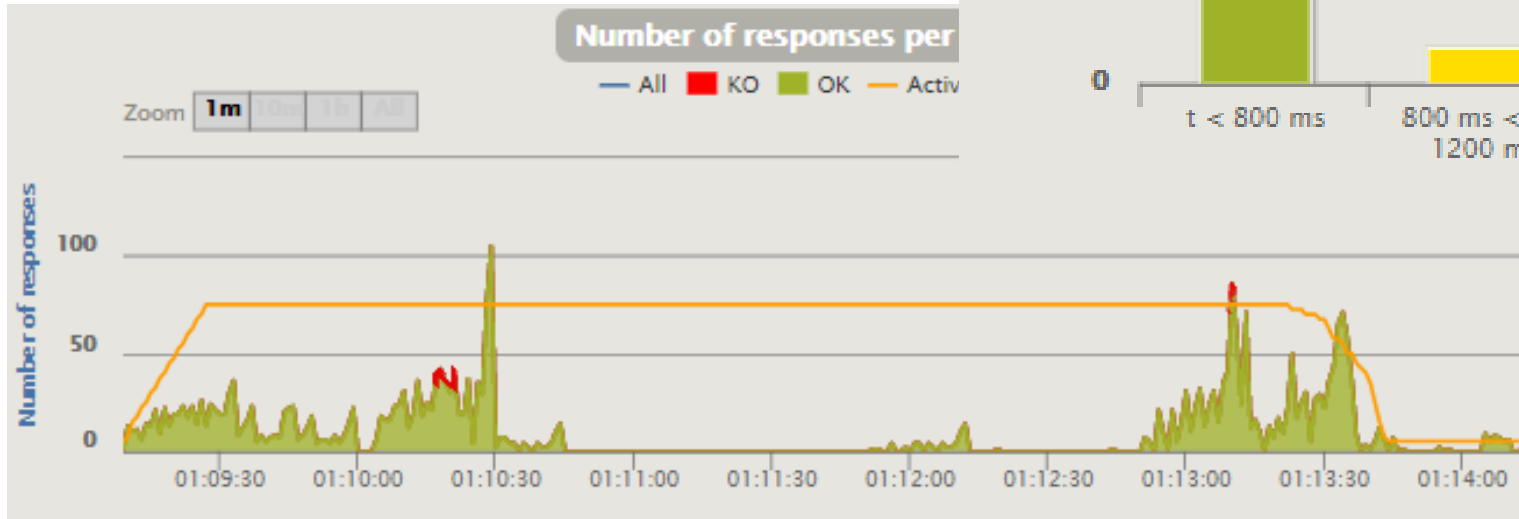
Add File

Add Routes

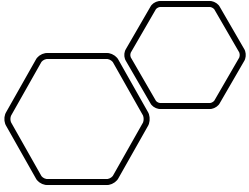


# Load Tests

30 users in 20 seconds







# Libraries

## **POD Management**

- solid-file-client
- tripledoc
- LDFlex
- rdf-namespaces
- uuid

## **Internationalization**

- i18next

## **Front-end**

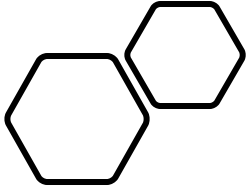
- react-bootstrap

## **Map**

- Google Map API

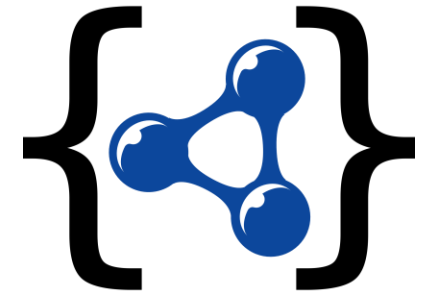
## **Test**

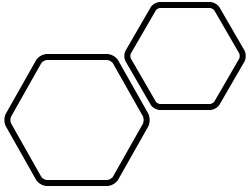
- enzyme
- puppeteer



# Interoperability

**GeoJSON**





# External communication



## Problem reading files from the pod

■ Build a Solid App



Vincent

Yes, hovering over name at <https://aitorllanos99.solid.community/public/viade/routes/otro> <sup>2</sup>, I saw it was actually a foaf:name but a schema:name, so it would have to be `route.getString('http://schema.org/name')`.



Borjarguez

Hi @Vincent ! First of all thank you so much for your help, it is very important for us. We have tried to do what you said but it doesn't work either... Here it is a new screenshot of what the code returns:

```
RUTISA:                                Q&C:
▶ {getDocument: f, getTriples: f, getString: f, getLocaleString: f, getInteger: f, ...} Q&C:
RUTISA_NAME:                           Q&C:
null                                   Q&C:
```

You probably think that we don't know nothing about this topic, but we are new and anyone has to learn how this "world" works. Again, thank you so much for spending your time helping us!!

## Create new inbox

■ Build a Solid App



uo258865

1 19d

Hello! I'm a student of the University Of Oviedo, and we are creating an app using Solid. The main idea is to share routes, so we decided to create a folder in root with the name viade, where we have one folder for the routes (viade/routes) and now I want to create a new inbox in viade, so the notifications of the app will be here, pulled apart from the other notifications in the inbox in root.

One idea I had, is that @inrupt/solid-react-components has a hook, useNotification, that has a lot of methods that help to do this. One is the method "createInbox", that has three params: inboxPath, appPath, settingFileName, but I don't know how to use it because I think I put the params wrong or something like that...

I hope someone could help me

1 ❤️ 🔗

viadeSpec

Viade Data Model Specification

● XSLT 📄 MIT 🔗 1 ★ 5 ⓘ 19 🛠 0 Updated 2 days ago

created

U 19d

last reply

👤 5d

8

replies

188

views

4

users

10

likes

6

links



4

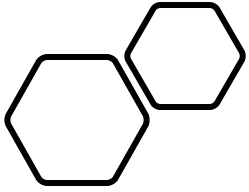


3



3





# Pending error and features

Arquisoft / viade\_es5c Watch 3 Star 0 Fork 0

generated from Arquisoft/viade\_0

[Code](#) **Issues 11** [Pull requests 0](#) [Actions](#) [Projects 1](#) [Wiki](#) [Security 0](#) [Insights](#)

Label issues and pull requests for new contributors [Dismiss](#)

Now, GitHub will help potential first-time contributors [discover issues](#) labeled with `good first issue`

Filters  Labels 9 Milestones 0 [New issue](#)

<input type="checkbox"/>	11 Open	✓ 33 Closed	Author	Label	Projects	Miles
<input type="checkbox"/>	<span>🔔</span> Sending notification <span>bug</span>					
	#95 opened 17 hours ago by uo258865					
<input type="checkbox"/>	<span>🔔</span> Bug: time <span>bug</span>					
	#94 opened 18 hours ago by uo258865					

## App permission #90

🔔 Open uo258865 opened this issue 5 days ago · 1 comment

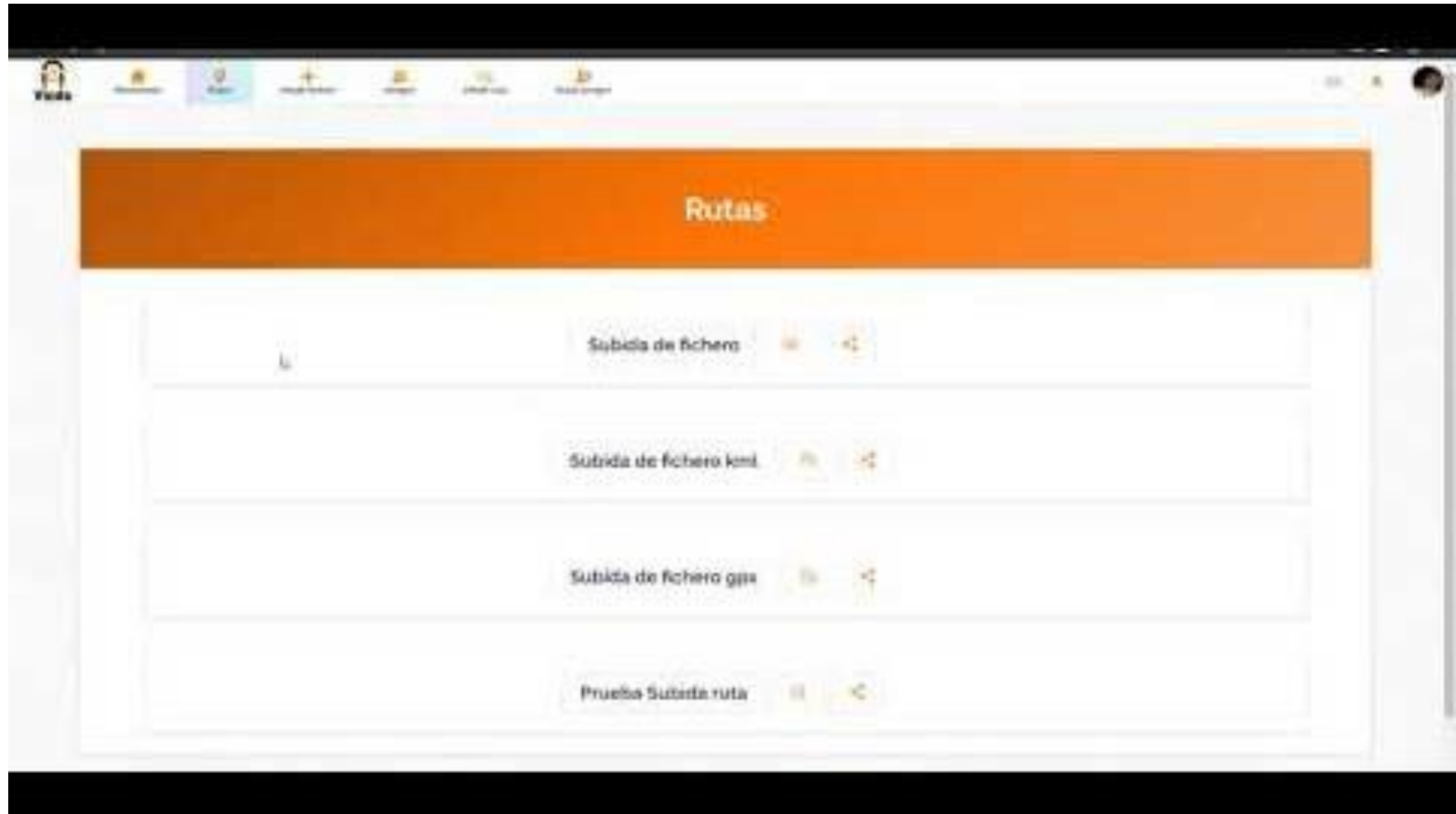
```
constructor(name, points, description :string = "", comments :string = "") {  
  this.uuid = uuid;  
  this.name = name;  
  this.points = points;  
  this.comments = comments;  
  this.description=description;  
  this.media = [];  
  this.img = '';  
  this.distance = 0;  
  this.rank = 0;  
  this.date = '';  
  this.webId = '';  
}
```



# Workflow



# Demo



# Muchas Gracias

