

LOMAP

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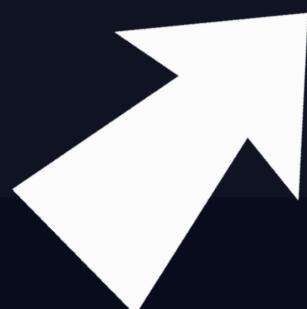
LOMAP



WHAT IS LOMAP?

It consists of a web application where any user can share a place in a map with whoever he wants. The main difference with other apps about maps, is the high protection of users privacy. Thanks to the SOLID project, each place is stored independently from other places and application.

**You are the only one deciding what to share,
what to store and what to show!**



FUNCTIONALITY



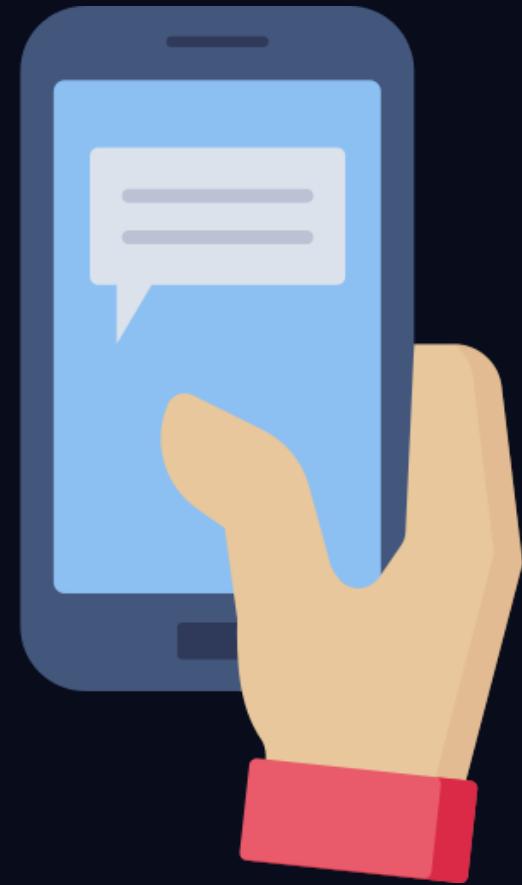
Places

- Add (create)
- Filter by category
- Share them



Maps

- Create a map
- Share a map



Interactions

- Send comments, reviews
- Upload images
- Create groups

TECHNICAL FEATURES



HTTPS

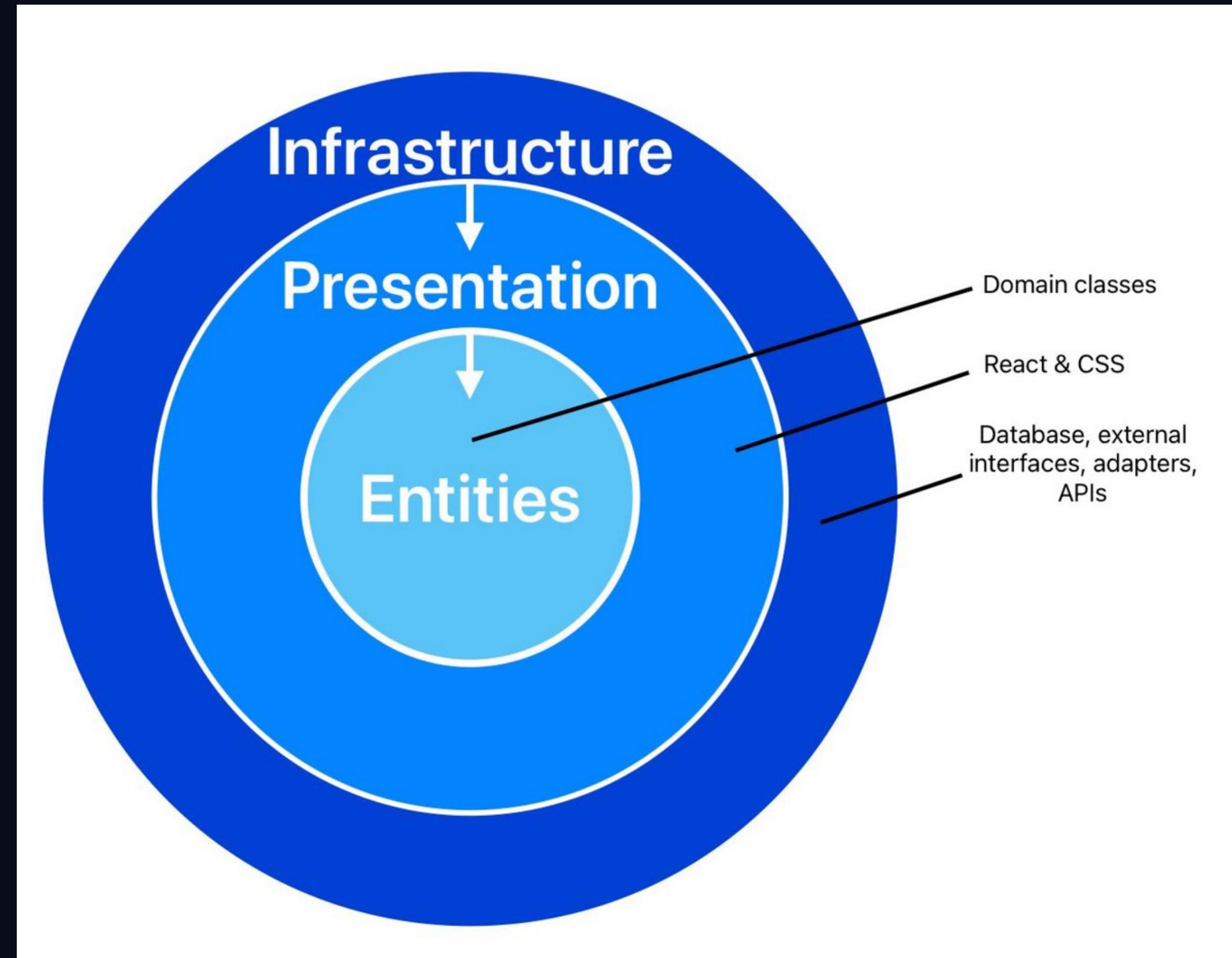
Safer communication for
the clients



Privacy-focused

Everything is stored on SOLID
pods, so the user has the control
over the access to the data

ARCHITECTURE



TEAM WORKFLOW



TEAM COORDINATION



- Issues (tasks, problems)
- Trunk based development
 - Develop branch
 - Pull Requests
- Kanban
- Wikis (minutes)
- Discussions (brainstorming)

- Additional meetings (calls)
- Files/documents exchange

- Face to face discussions

- Quick updates
- Meetings arrangement

Filter by keyword or by field

● New 0

New tasks but not mapped to any backlog, waiting to be more expressive.



LOMAP

● Backlog 2

New tasks, already well thought, waiting to be approved.

⌚ lomap_en3a #112 ...

Addition of different roles (business logic and POD management)

Medium Medium Feature⌚ lomap_en3a #113

Nearby places

High Large Feature● Ready 0

Tasks ready to be programmed

● In progress 3

Tasks ready to be programmed

⌚ lomap_en3a #78

Unitary tests

Medium Large #165 testing⌚ lomap_en3a #79

Acceptance tests

Medium X-Large #154 testing⌚ lomap_en3a #140

Improve test coverage.

High X-Large #165 Finish

testing

● In review 0

Tasks ready to be programmed

● Done 52⌚ lomap_en3a #52

Business logic for adding a new pin in the POD's user

High Large Feature Prototype⌚ lomap_en3a #44

UI - form for new pin

High Medium Feature

Prototype

⌚ lomap_en3a #55

Show the place form when adding a new placemark

#57 Feature Prototype⌚ lomap_en3a #66

Fix places not being stored after page reload

#67 bug Prototype⌚ lomap_en3a #72

Search information about symbolic links in PODs

research

⌚ lomap_en3a #75

Assembler for creating things from entities

Medium Medium #86

Feature

⌚ lomap_en3a #85

Store and retrieve information from PODs

High Large #86 Feature⌚ lomap_en3a #88

Change the access permissions of the resources

#89 Feature⌚ lomap_en3a #77

Add categories to the Places.

High Medium #84

High level requirements

ORGANIZATIONAL TOOLS

94

Pull Requests

51

Issues

60.8%

Coverage

ARCHITECTURAL DECISION RECORDS



- **Prioritize tasks**

What to do and at what cost



- **Structure and format of the data stored**

Should we follow our own structure and data types or a standard?

- **Deployment structure**



So...
how to create such
a thing?

*technical
debt*

Erosion

PROBLEMS

TESTING

PERFORMANCE

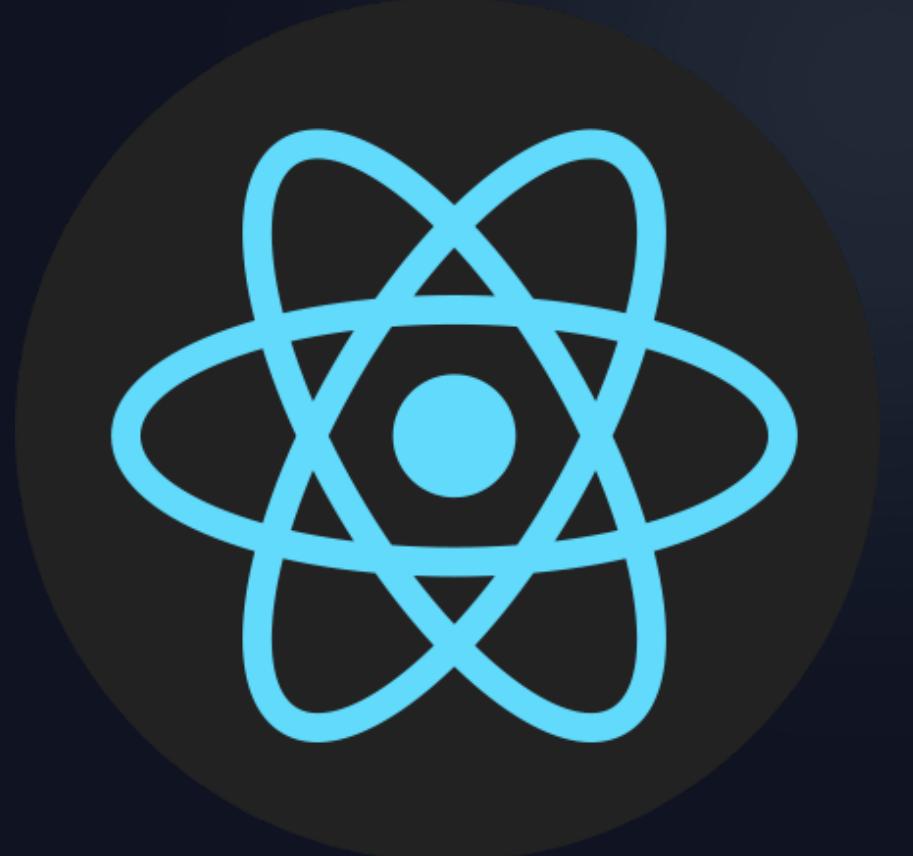
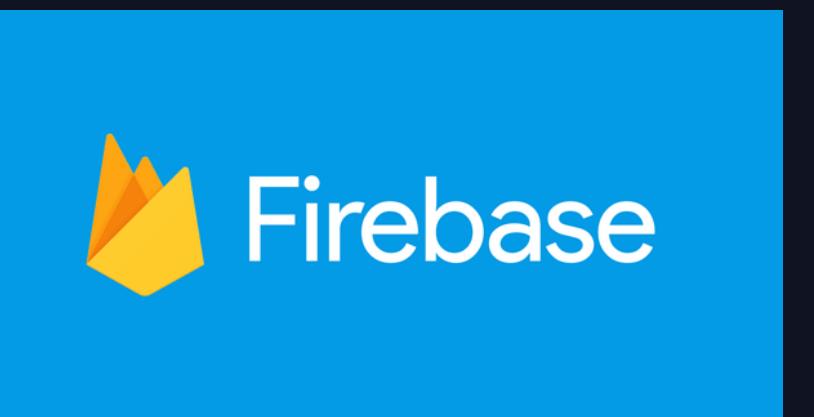
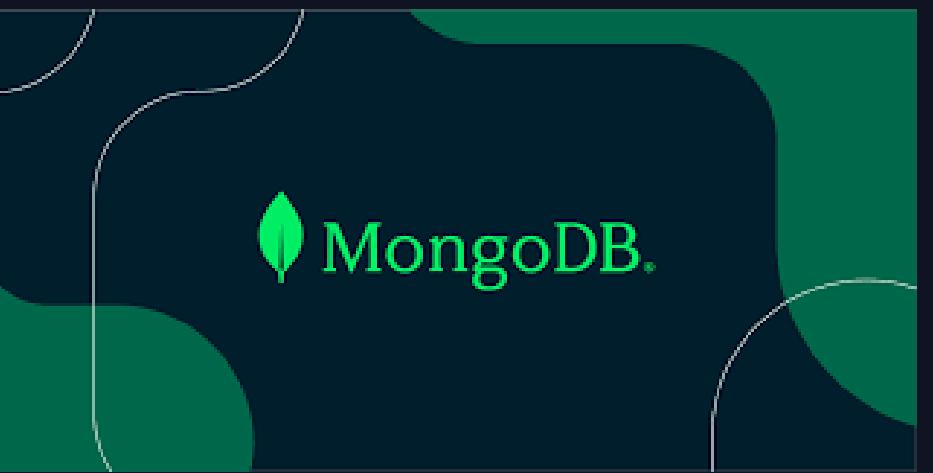


LOMAP

• TECHNICAL DEBT

- 01.** It penalized us throughout the whole development

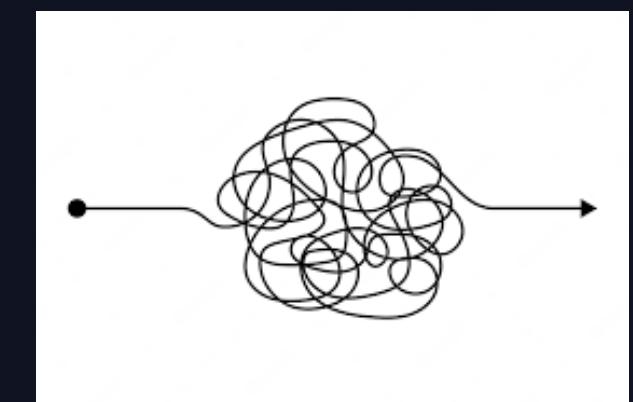
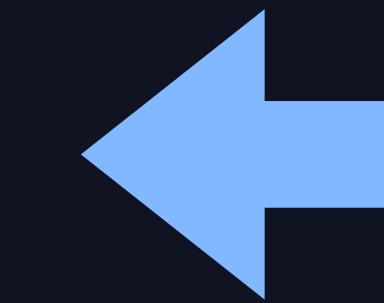
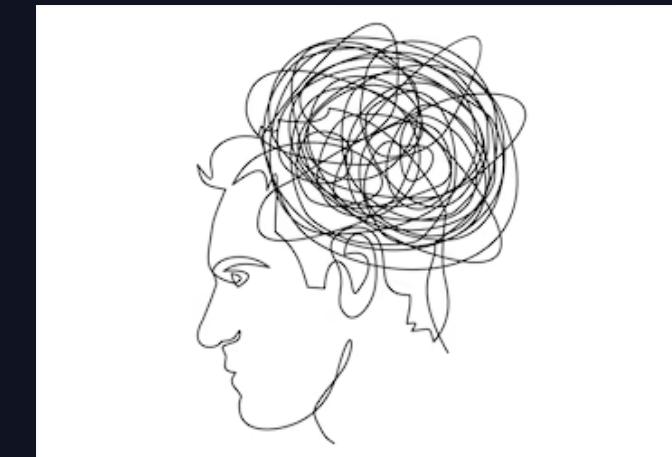
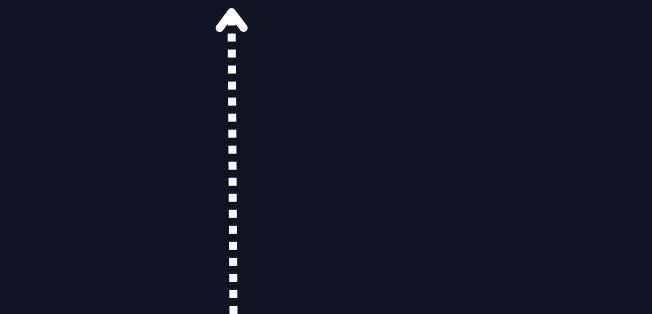
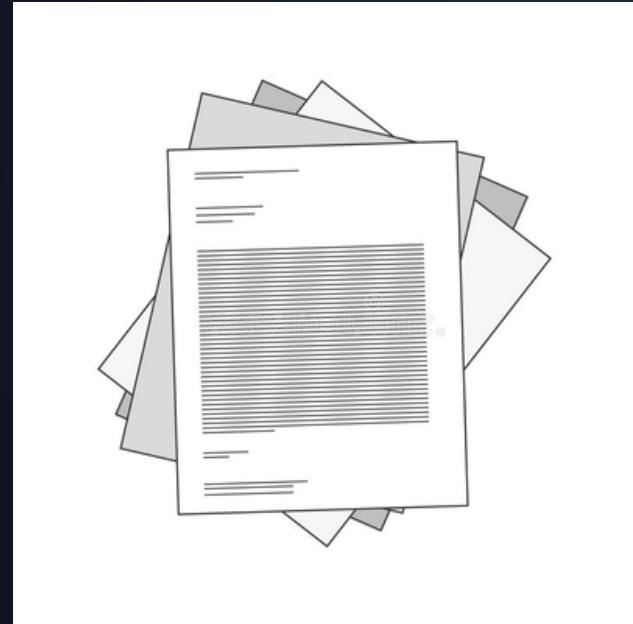
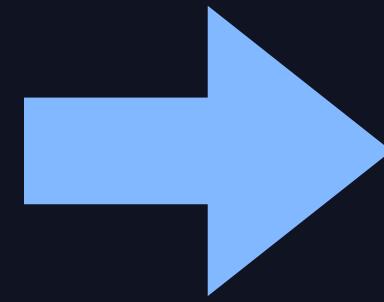
- 02.** Will we program again with these technologies in the future?
Yes, it could be... But not right now





• EROSION

- 01.** For a start, everything was clear, the code was clean, small scripts
- 02.** Then, many files appeared, the number of lines of code were acceptable in each one more or less
- 03.** Finally, the number of scripts were much bigger in comparison with the first prototype, all files are interrelated among them. And unreadable, less maintainable and coupled code emerged.



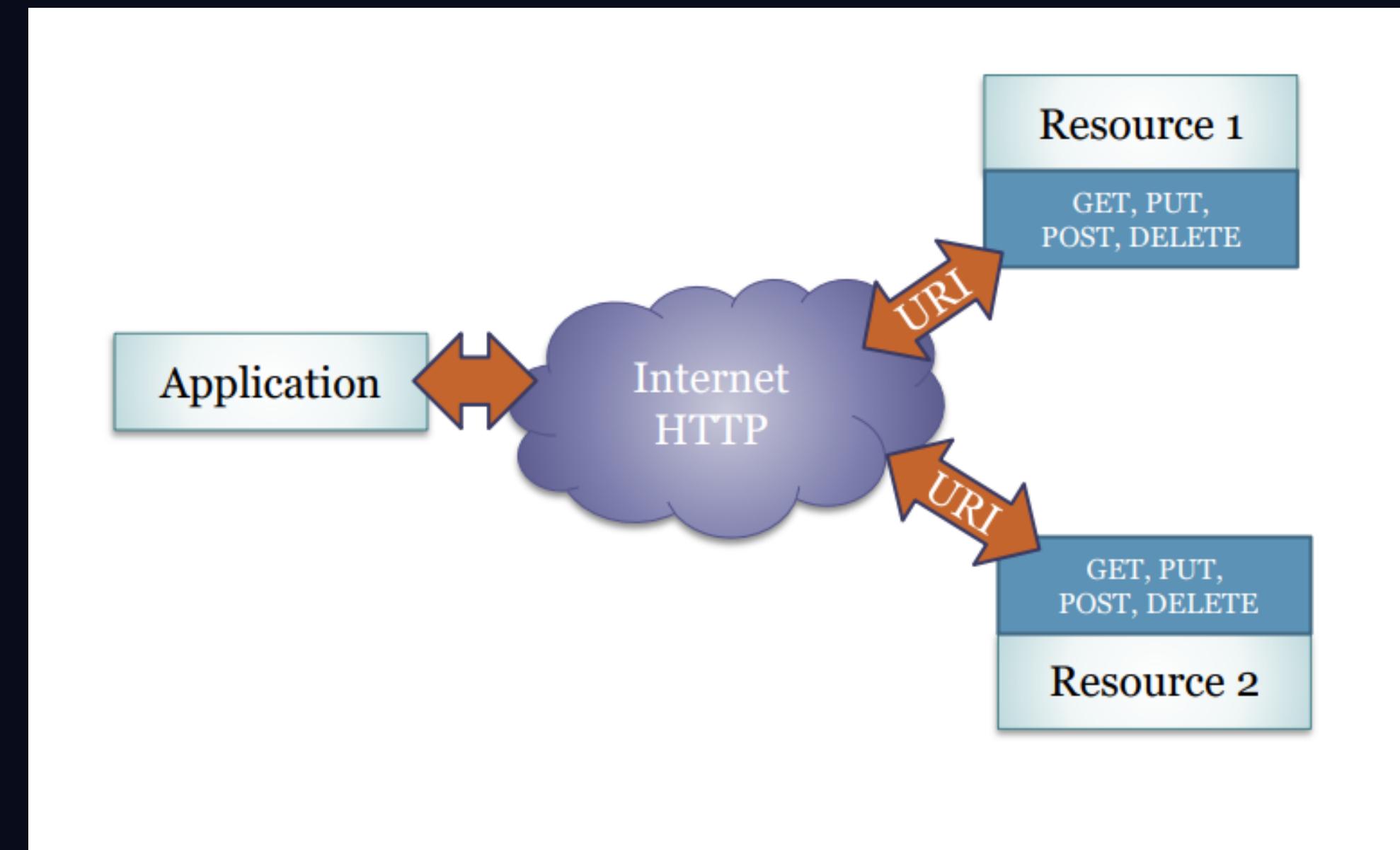


PROBLEMS

- 01. **Tests did not work**
- 02. **UI design difficulties**
- 03. **Import libraries did not work**
- 04. **Import documentation being wrong**



DEPLOYMENT STRUCTURE



THREE ZERO!!