LoMAP
En1b

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Organization

Issues

Custom tags & milestones

Kanban to track progress

Branches

Develop

Documentation

Master

Technologies

- Node
- Typescrypt

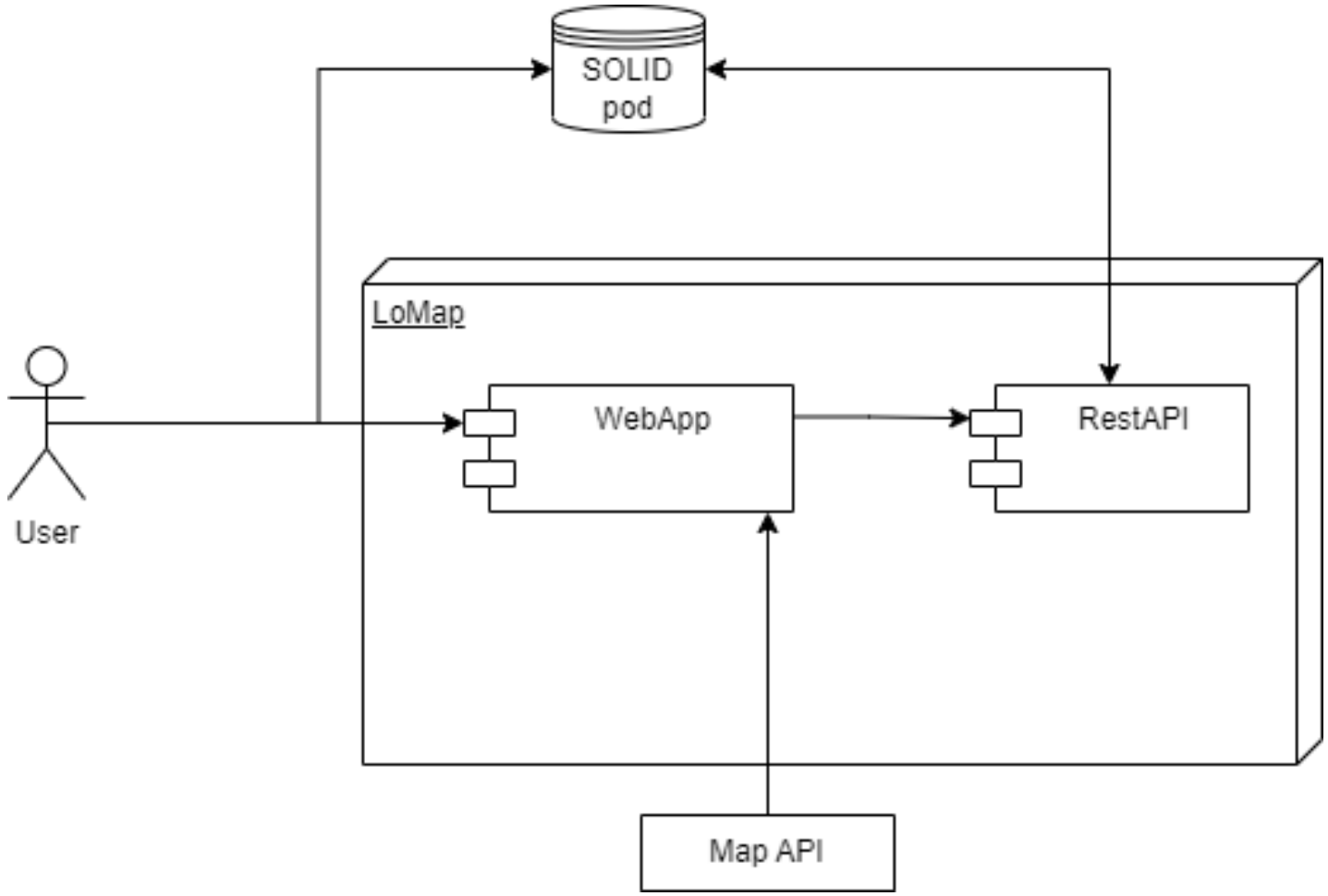
- React
  - Chackra
  - Leaflet
- Redux + toolkit

- Express
- Mongo + mongoose
- Inrupt libraries

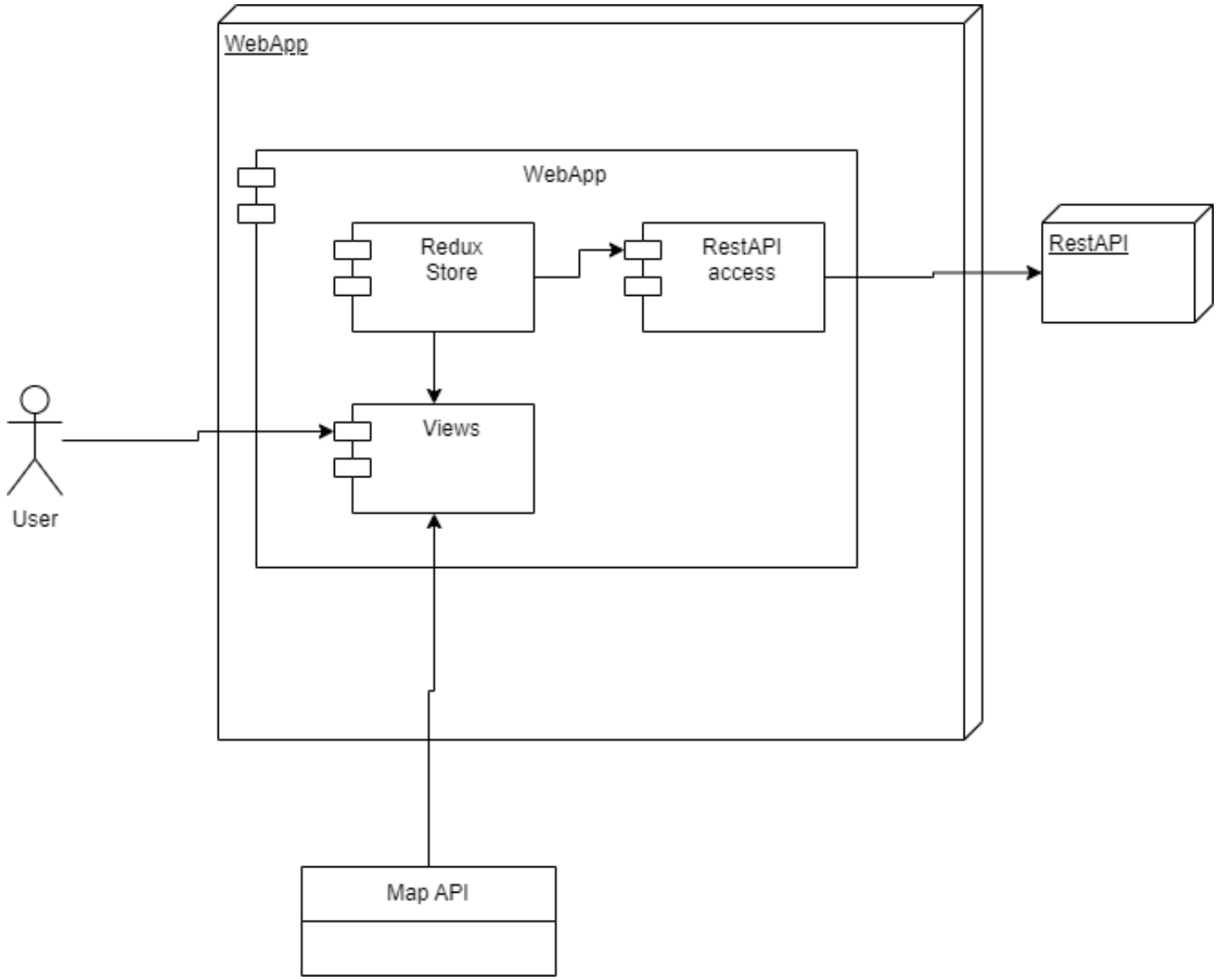
Design decisions

- Two main components
  - RestAPI explain and building block
  - WebAPP explain and building block

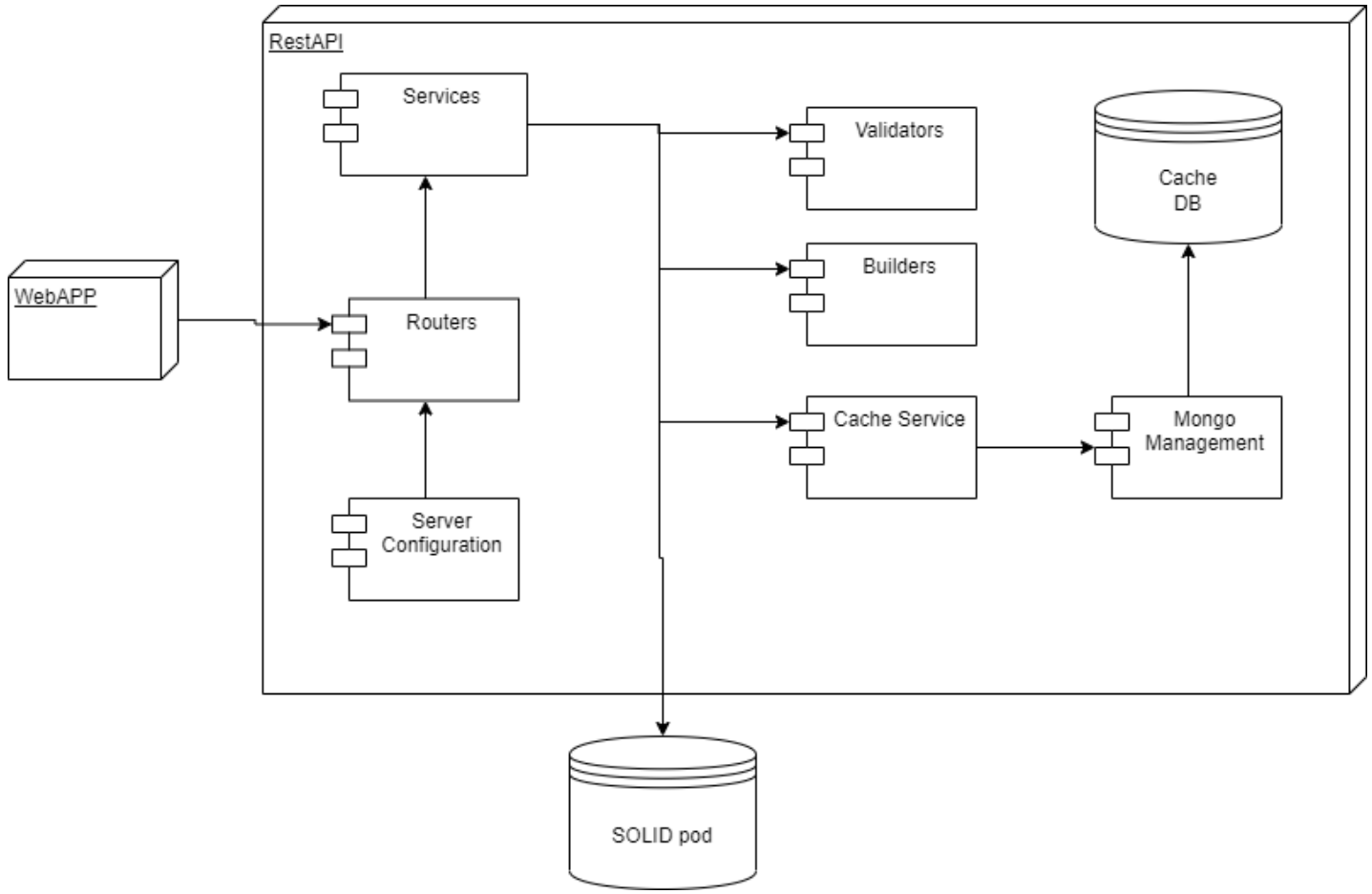
Design decisions – General structure



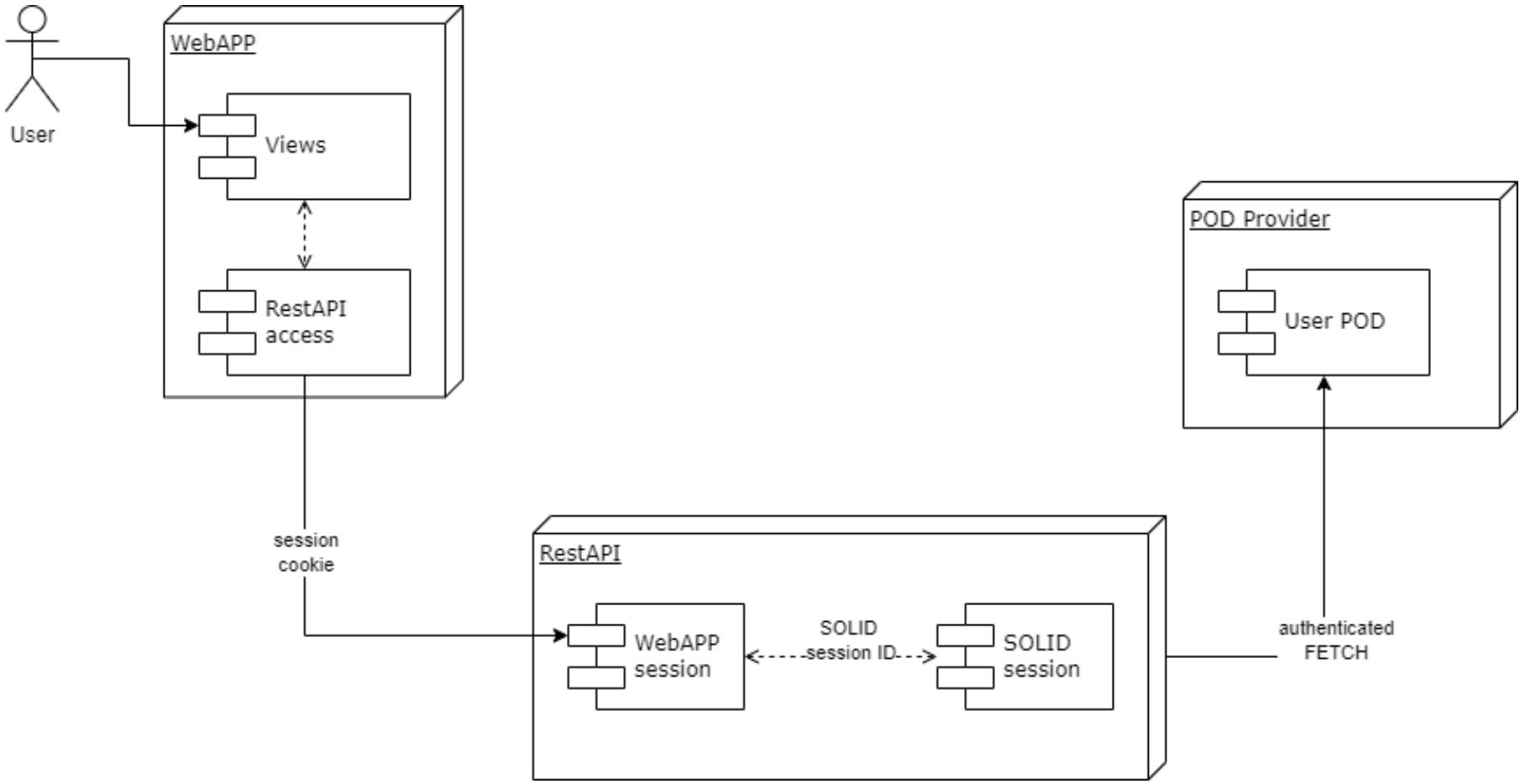
Design decisions – WebAPP structure



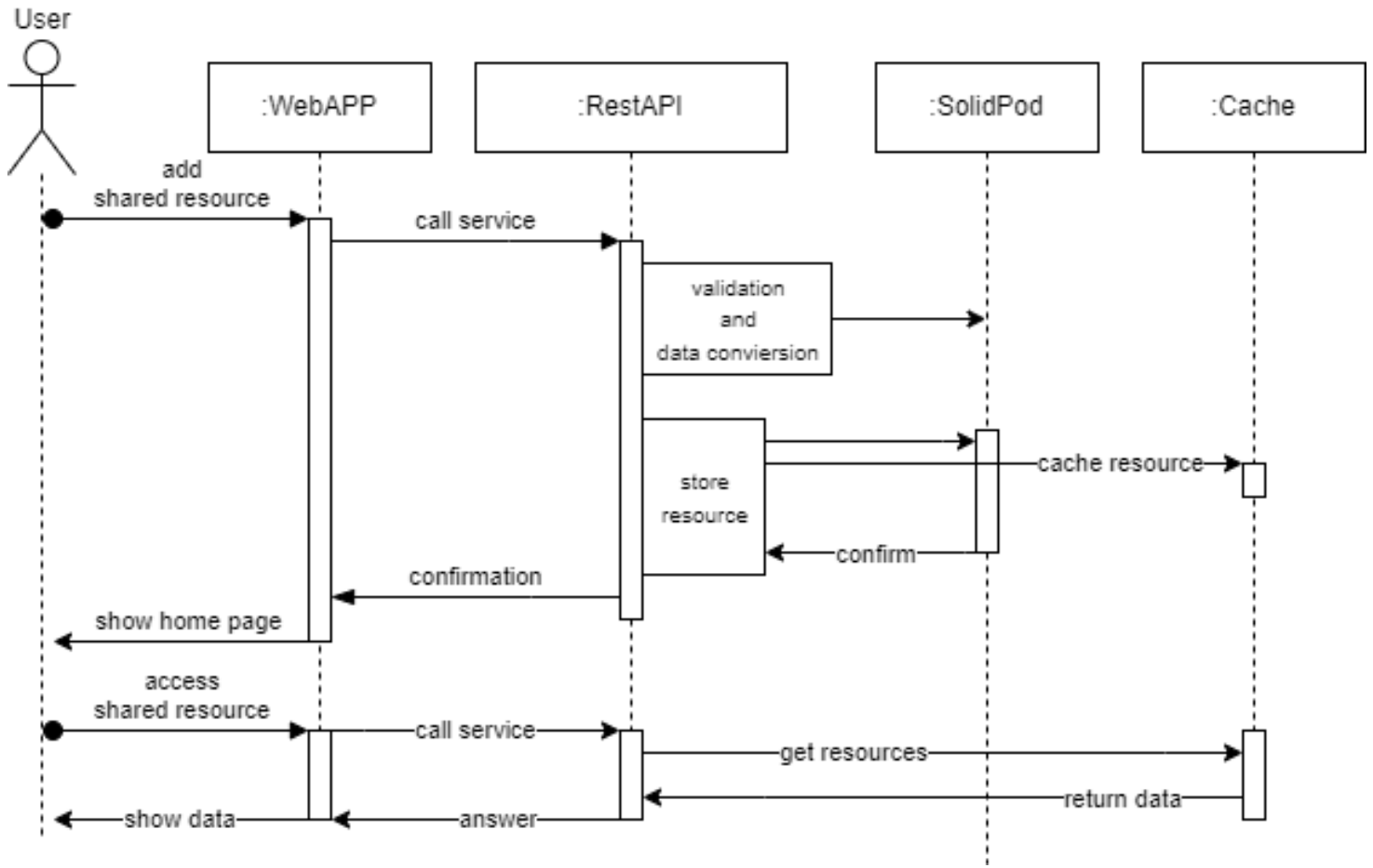
Design decisions – RestAPI structure



Design decisions – Solid access in server



Design decisions – Cache shared resources



Tests

Testing

- WebAPP code coverage: 47.7%
- RestAPI code coverage: 6%
  - (97% on validators)

Problems

- SOLID coupling
- Use of external libraries

What we did

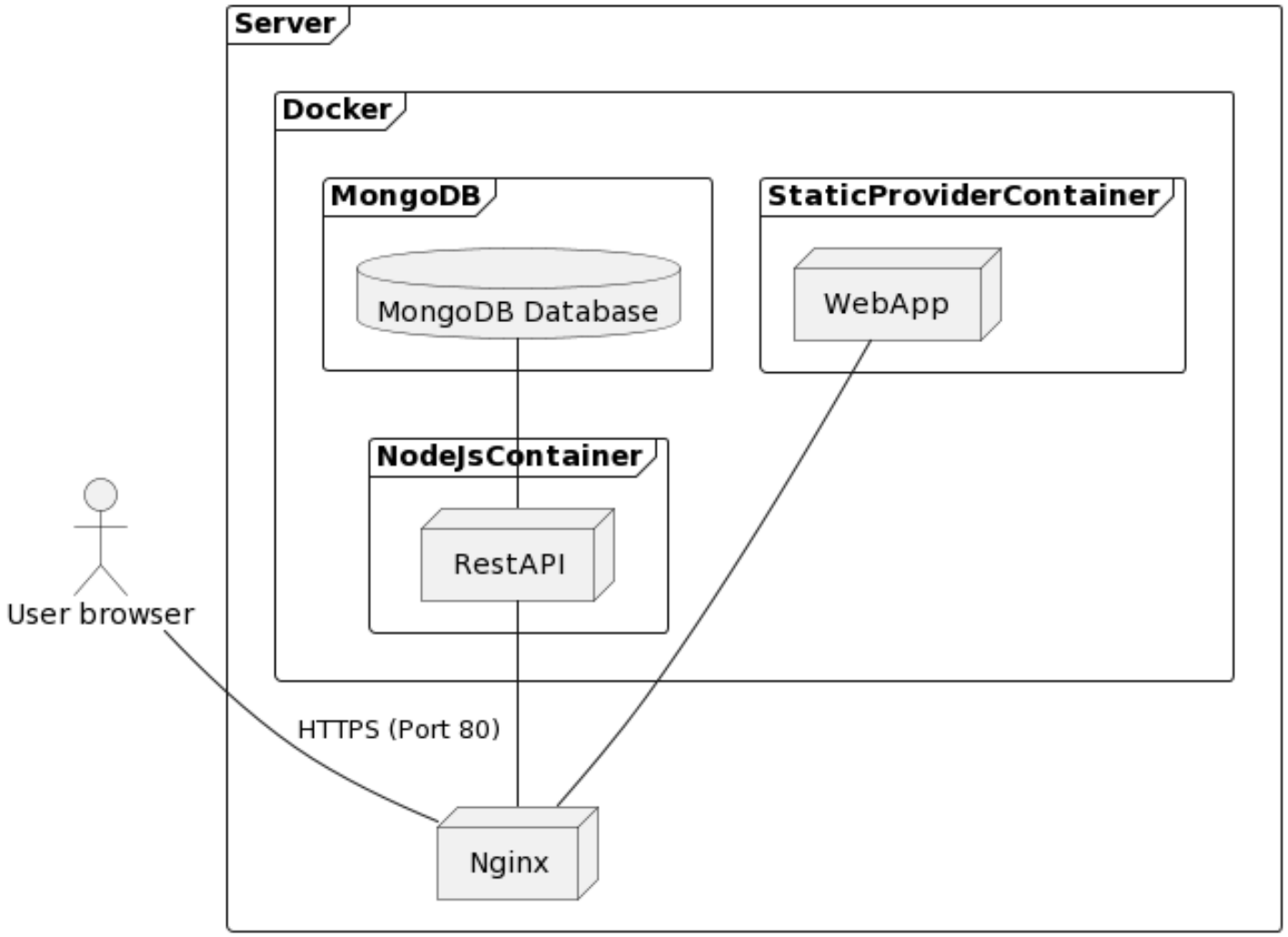
- Test modular components
- Test isolated functions

In the future

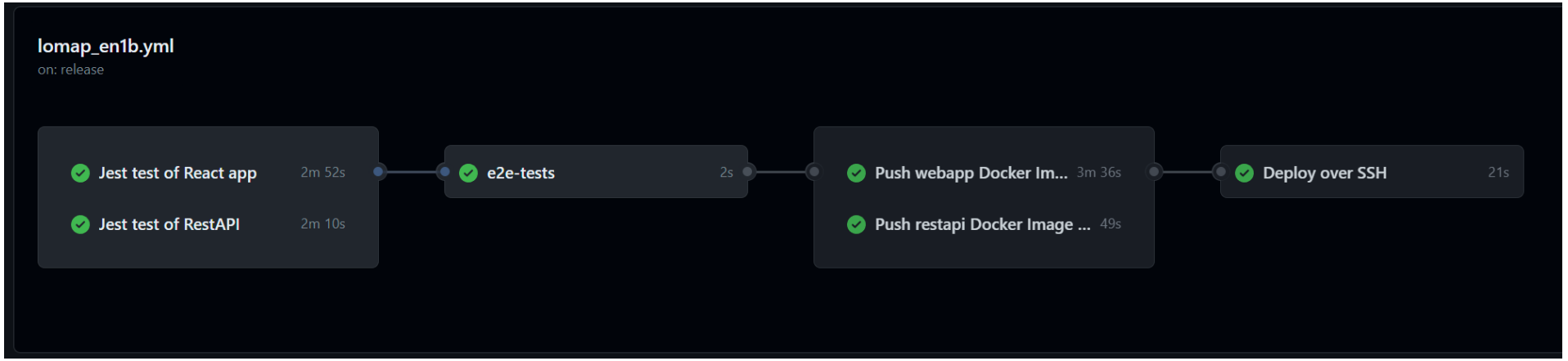
- End to End testing
- Increase modularity

Deployment

Deployment view



CI & CD


lomap_en1b.yml
on: release
Jest test of React app 2m 52s
Jest test of RestAPI 2m 10s
e2e-tests 2s
Push webapp Docker Im... 3m 36s
Push restapi Docker Image ... 49s
Deploy over SSH 21s

Implemented functionalities

Mainly, mandatory functionality

Login/logout

Add locations

Share locations

Add review

See reviews

Add friends

Future functionalities

General improvements

- Delete/edit locations
- Delete/edit reviews
- Delete friendships
- Database recovery
- Improve interoperability with SOLID friends
- General UI/UX
- E2E testing
- Modularity of components

Technical debt

Technical debt

- Lack of components modularity in WebAPP
- Pod Provider dependency
- Isolation of RestAPI services from libraries
- Database not recoverable

THANK YOU

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